Dönüştürülmüş Sınıflar
(FIIpped Classroom)

Kişiselleştirilmiş Öğrenme
(PersonalIzed LearnIng)



Prof. Dr. Hüseyin ÇAKIR

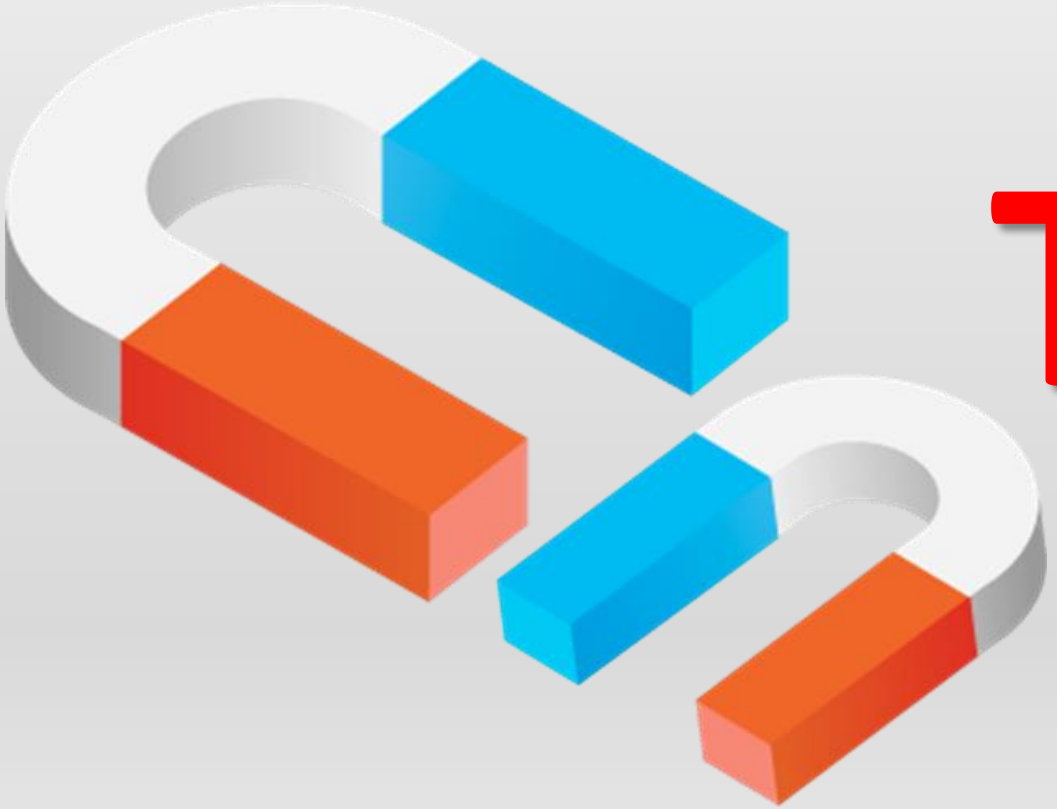
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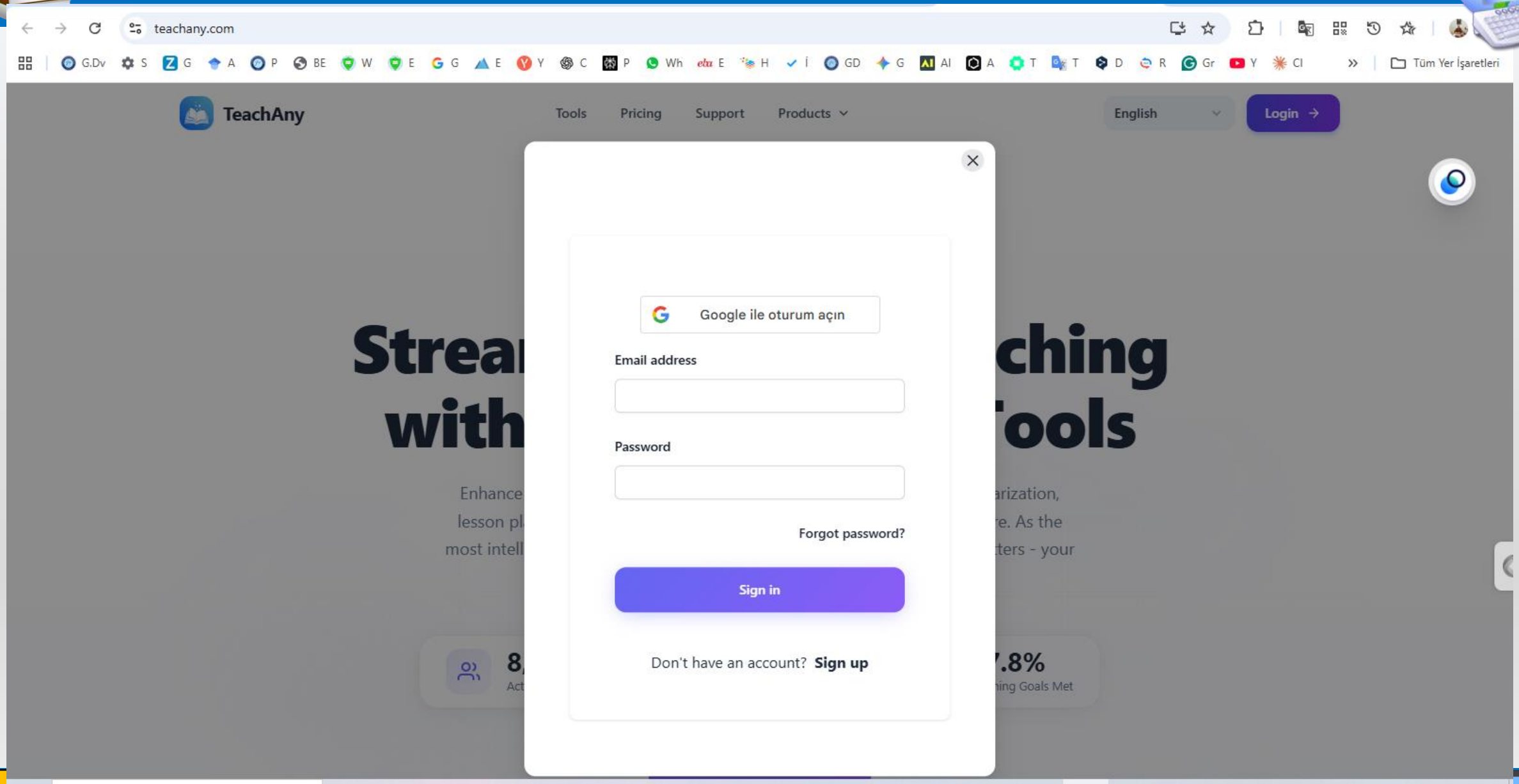
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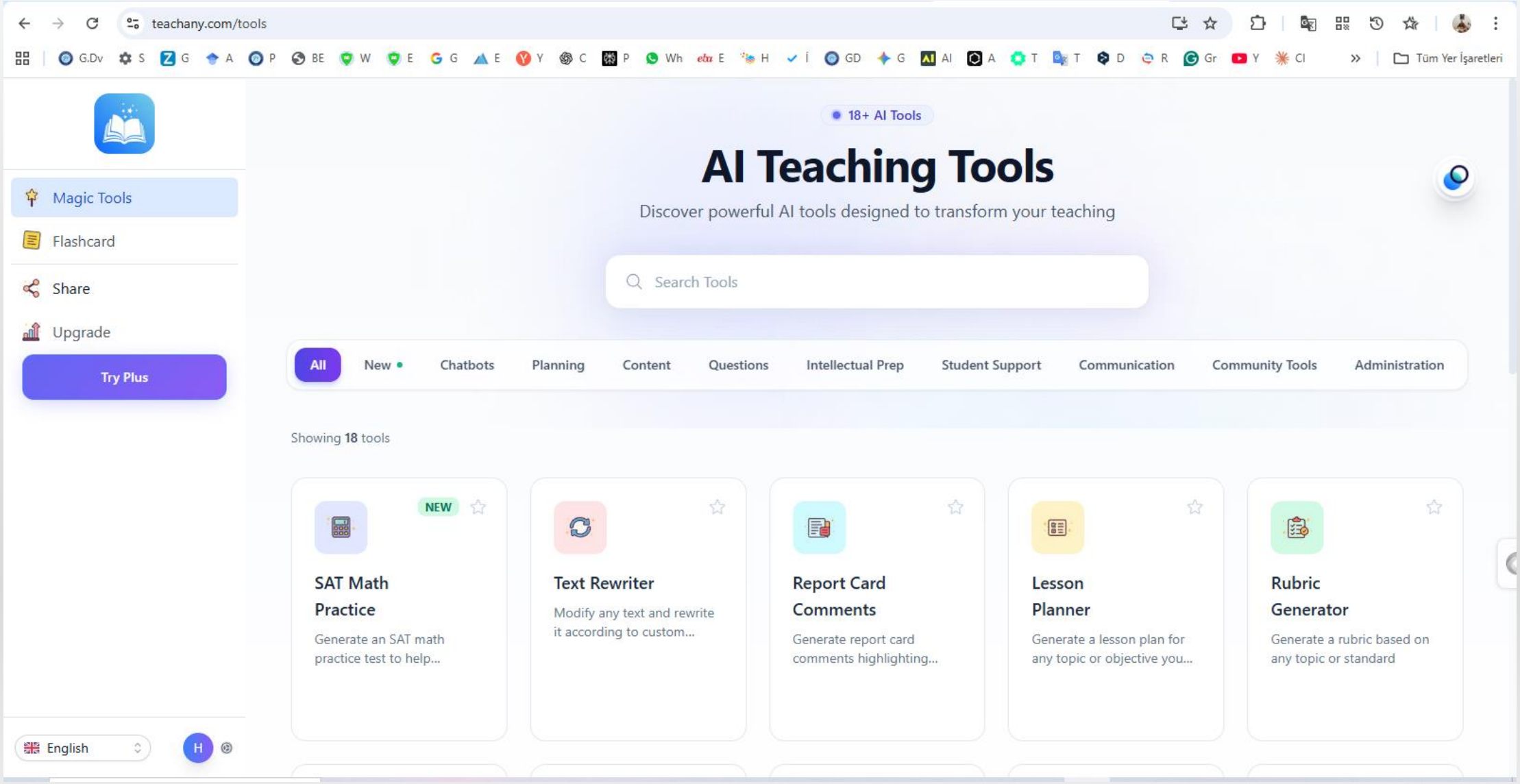
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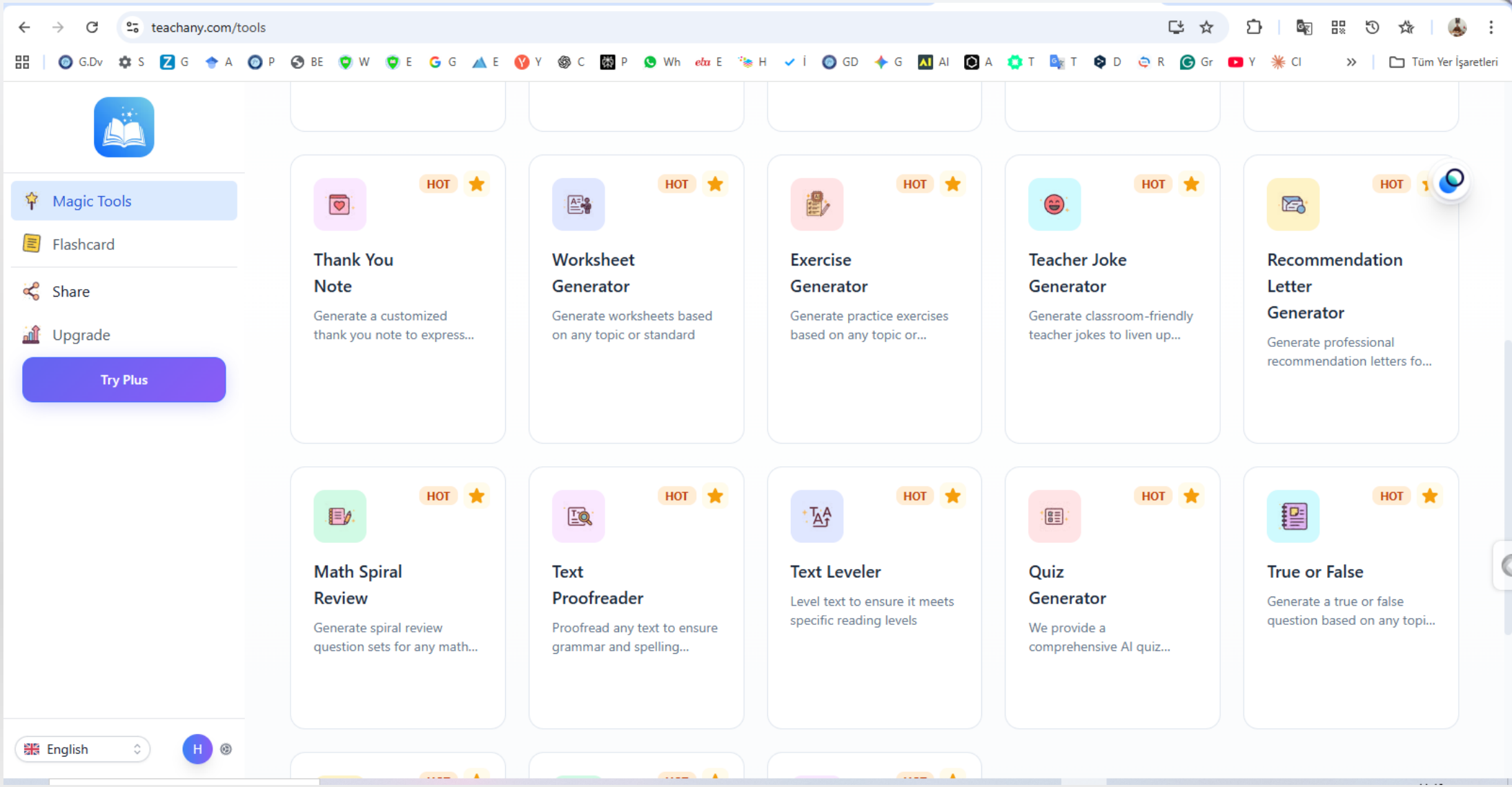
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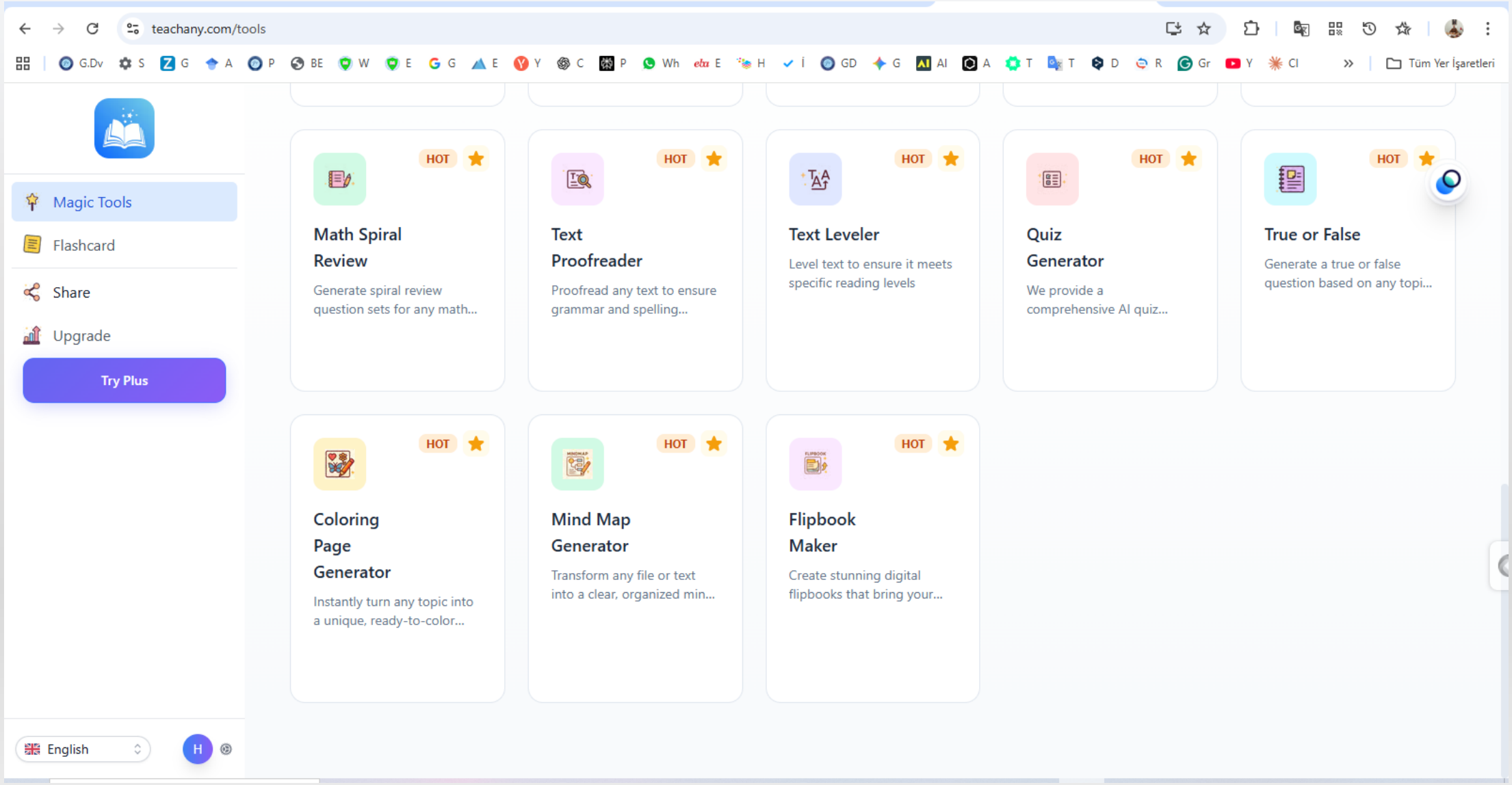
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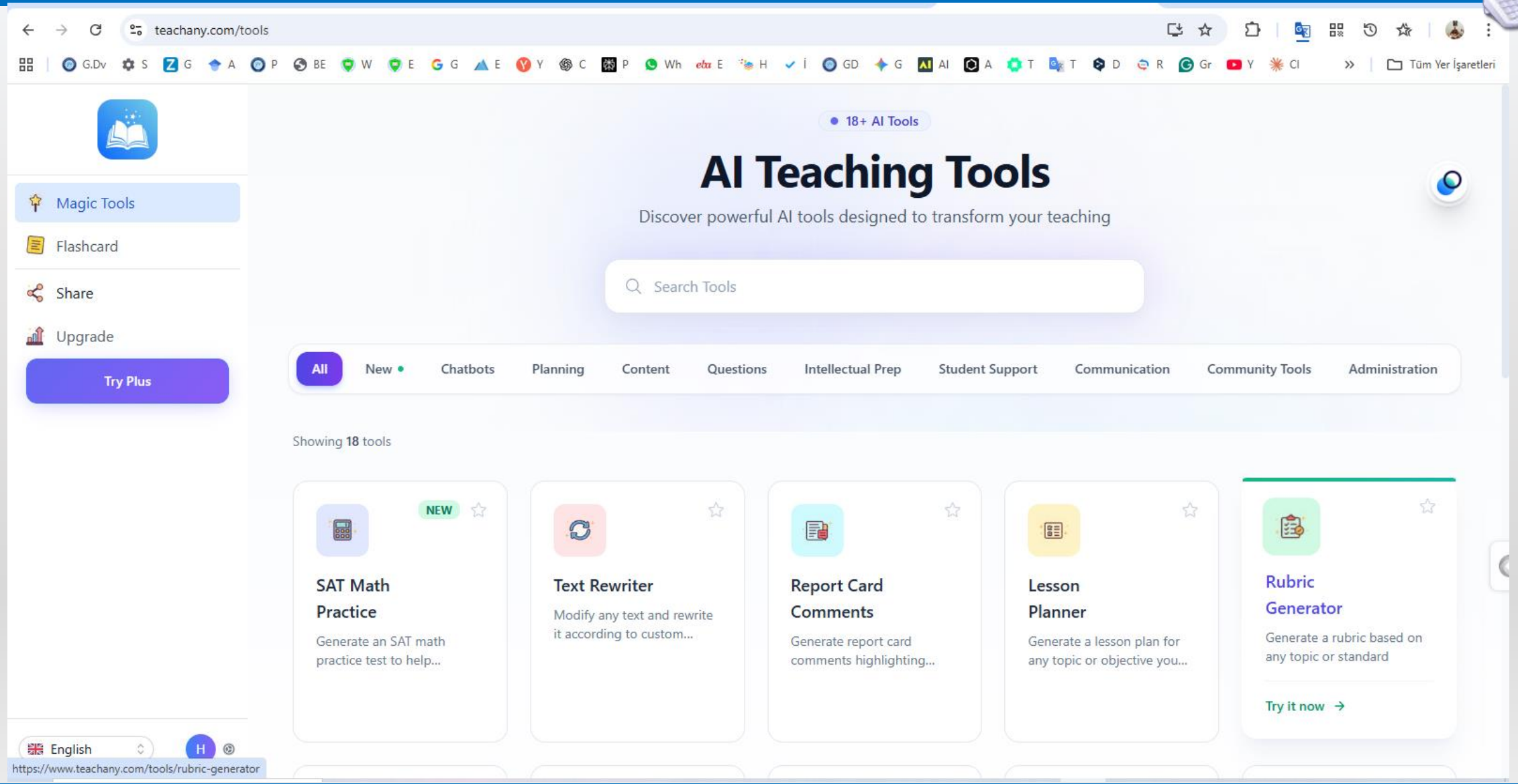




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Online AI Rubric Generator

Build Custom Assessment Criteria Instantly

Fill with Demo Example

Grade Level: *

Grade 9

Scoring Scale: *

5-point scale

Standard/Objective: *

İnternet Bağımlılığının Sosyal Hayata Etkisi

Describe the rubric topic: *

Aile ilişkileri, arkadaşlık ve iletişim üzerindeki etkileri analiz etme.

Additional Customization for Scoring Criteria (Optional):

e.g.: Ensure that supporting arguments are included as an assessment category





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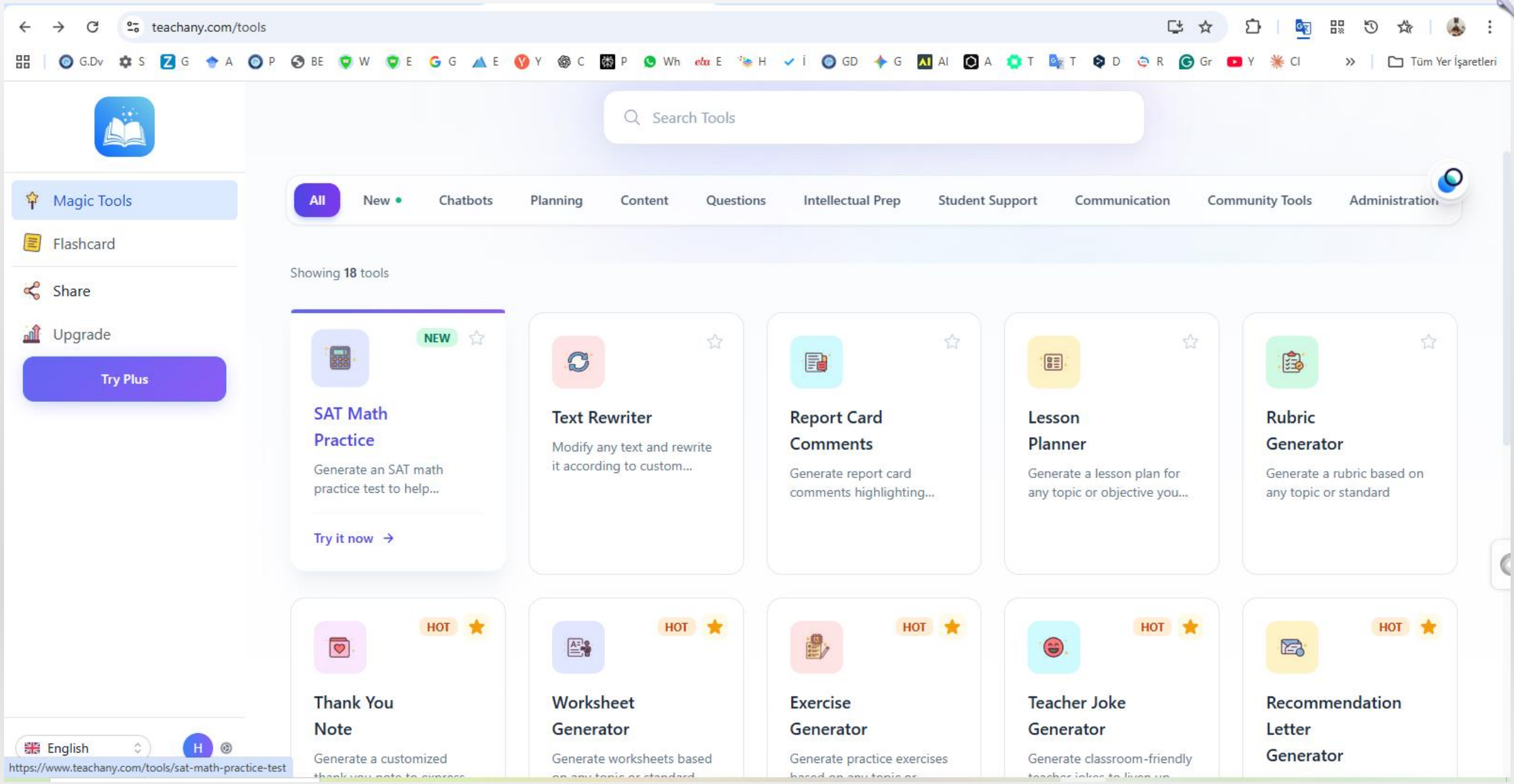
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Assessment Category	1 Point	2 Points	3 Points	4 Points	5 Points
Understanding of Internet Addiction	Shows little or no understanding of internet addiction and its relevance to social life.	Demonstrates a basic understanding of internet addiction but with many inaccuracies or gaps.	Shows a satisfactory understanding of internet addiction and its general impact on social life.	Demonstrates a good understanding of internet addiction and explains its effects on social life clearly.	Exhibits a thorough and insightful understanding of internet addiction and its complex effects on social life.
Analysis of Family Relationships	Does not identify or analyze any effects of internet addiction on family relationships.	Identifies some effects of internet addiction on family relationships but analysis is weak or unclear.	Provides a reasonable analysis of how internet addiction affects family relationships.	Offers a clear and detailed analysis of the effects of internet addiction on family relationships.	Presents a comprehensive and nuanced analysis of interne addiction's effects on family relationships.
Analysis of Friendships	Fails to address the impact of internet addiction on friendships.	Mentions the impact on friendships with limited explanation or support.	Analyzes the impact of internet addiction on friendships with some relevant details.	Provides a thorough analysis of how internet addiction influences friendships.	Delivers an insightful and well-supported analysis of the complex effects o friendships.
	Does not discuss communication or shows	Provides minimal or unclear	Describes the impact of internet	Explains clearly how internet	Offers a detailed and sophisticated explanation of



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SAT Math Practice Test

Generate an SAT math practice test to help students prepare.

SAT Level (PSAT 8/9, PSAT 10, SAT) *

PSAT 8/9

Generate

Select your SAT level

Click the "Generate" button to start creating practice questions.





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SAT Math Practice Test

Generate an SAT math practice test to help students prepare.

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SAT Level (PSAT 8/9, PSAT 10, SAT) *

PSAT 8/9

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Print Test

Save PDF

Certainly! Here are 5 SAT math practice questions at the PSAT 8/9 difficulty level, along with detailed answer explanations.

Question 1:

If (3x + 5 = 20), what is the value of (x)?

A) 3
B) 5
C) 7
D) 15

English

H





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English

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Print Test

Save PDF

What is the value of (4^2 - 3^2)?

A) 7
B) 16
C) 25
D) 7

Answer: A) 7

Explanation:
Calculate each square:
(4^2 = 16)
(3^2 = 9)
Subtract:
(16 - 9 = 7)

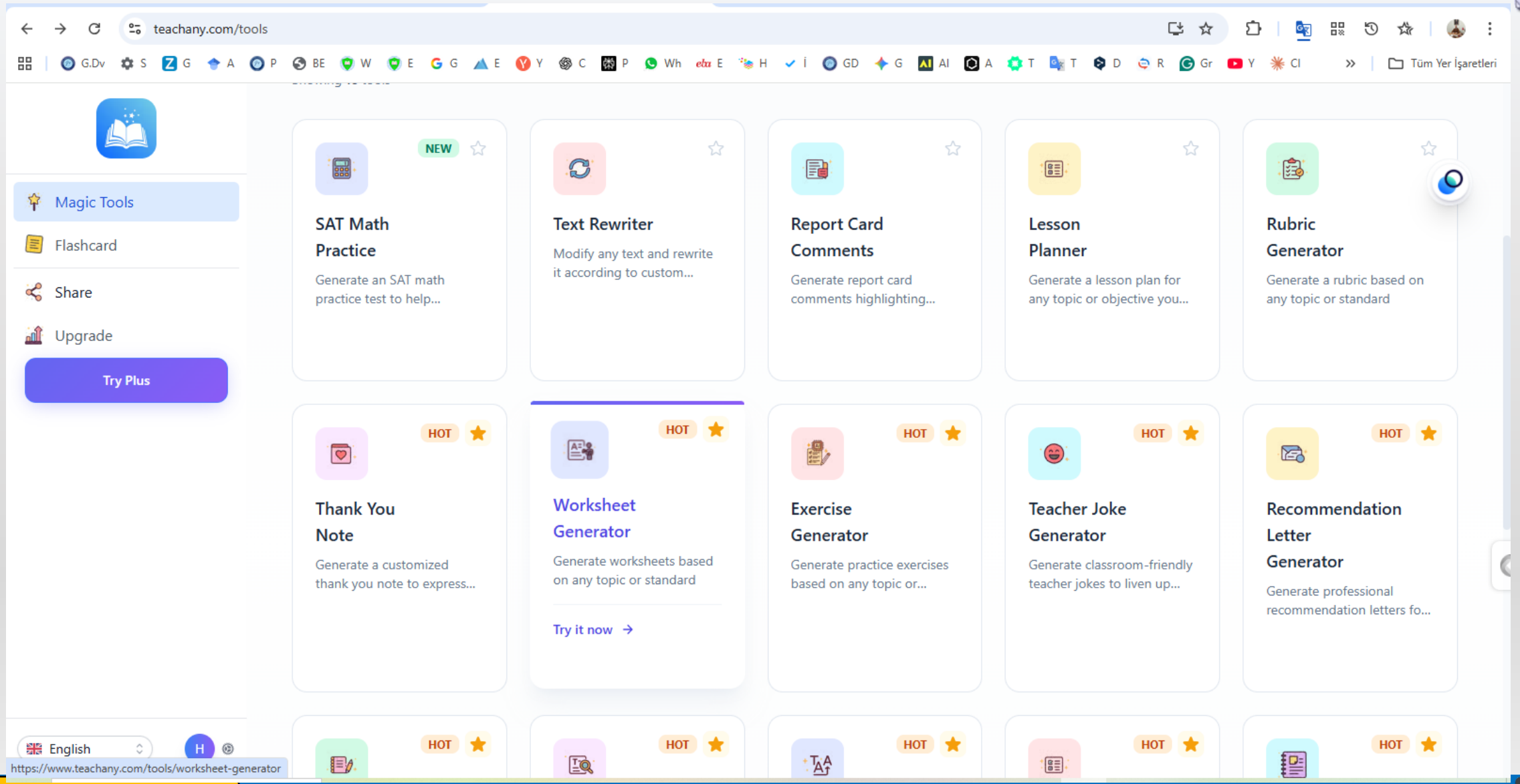
Question 4:

If (y = 2x + 1) and (x = 4), what is the value of (y)?

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Worksheet Generator

Generate professional educational exercises for classroom or homework

Clear Example

Grade Level: *

Grade 9

Number of Questions: *

8 questions

Topic or Text Content: *

Fotosentez

Question Types: *

- [x] Multiple Choice
- [x] Fill in the Blank
- [x] True/False
- [x] Matching
- [x] Short Answer
- [x] Word Problems

Generate Worksheet

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Worksheet:

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Photosynthesis Practice Worksheet

Grade: 9
Topic: Photosynthesis

Multiple Choice (Choose the correct answer)

1. What is the main pigment involved in photosynthesis?

A) Carotene
B) Chlorophyll
C) Xanthophyll
D) Hemoglobin

2. Which organelle is the site of photosynthesis in plant cells?

A) Mitochondria

English





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Worksheet:

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Matching (Match the terms with their correct descriptions)

Match the terms in column A with their correct descriptions in column B. Write the letter of the description next to the number.

Column A	Column B
4. Stomata	A. The green pigment that captures light
5. Chlorophyll	B. Tiny pores on leaves for gas exchange
6. Glucose	C. Sugar produced by photosynthesis
7. Light-dependent reactions	D. Part of photosynthesis that requires light
8. Light-independent reactions	E. Also called Calvin cycle, does not require light

---

Short Answer

9. Write the chemical equation for photosynthesis using chemical formulas.





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Worksheet:

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Fill in the Blank

10. Photosynthesis mainly occurs in the _____ of plant cells.

11. The gas released during photosynthesis that is essential for animals to breathe is _____.

True/False

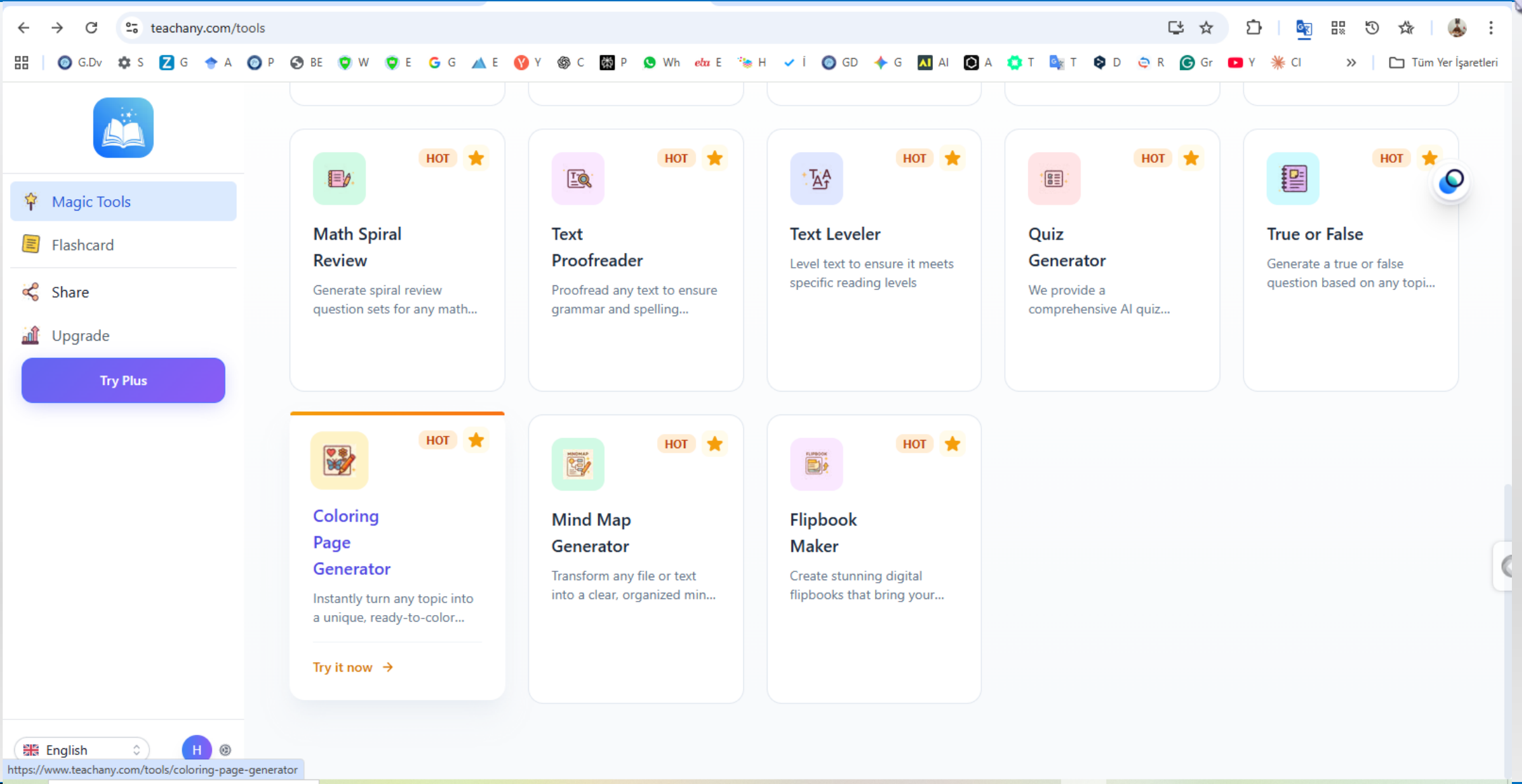
Write **True** or **False** for the following statements:

12. Photosynthesis only occurs during the day.

13. Chlorophyll absorbs red and blue light most effectively.







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AI Coloring Page Generator

Transform your ideas into beautiful coloring page illustrations. Perfect for coloring books, educational materials, and creative projects.

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Example

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A cute cartoon cat playing with a ball of yarn, simple line art style

Reference Image (Optional)

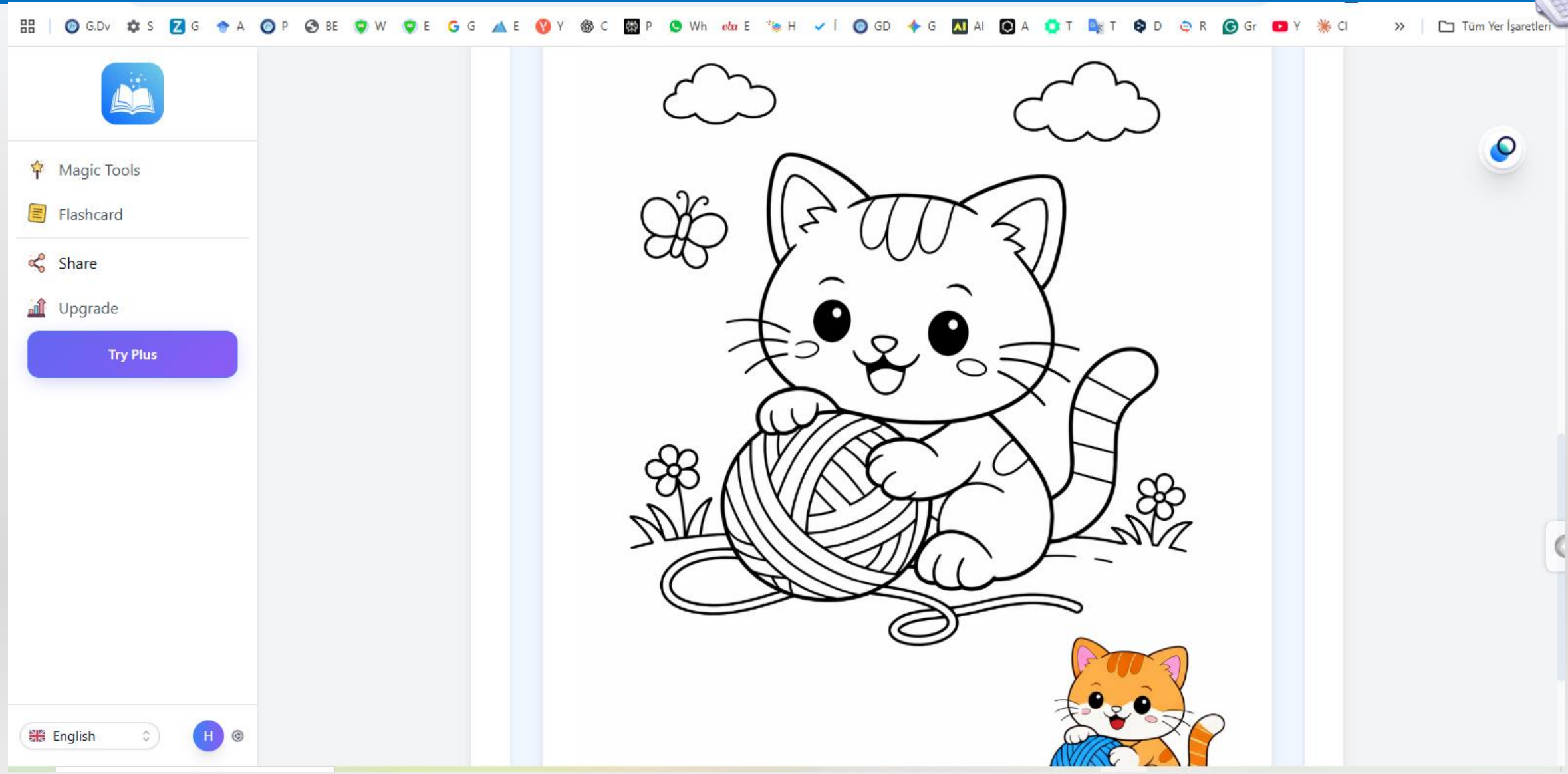
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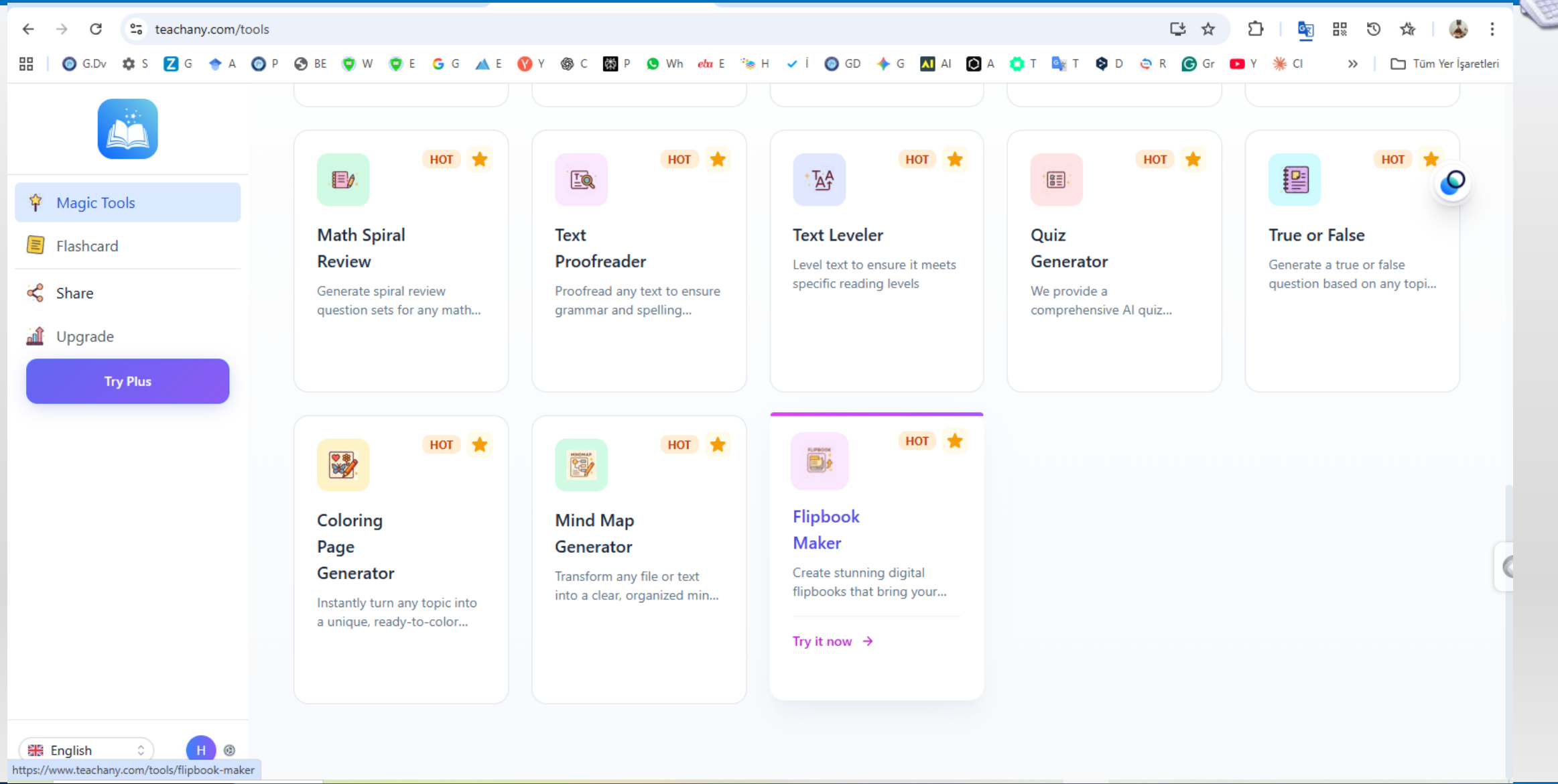
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Computer

Book Description:

Computer Education

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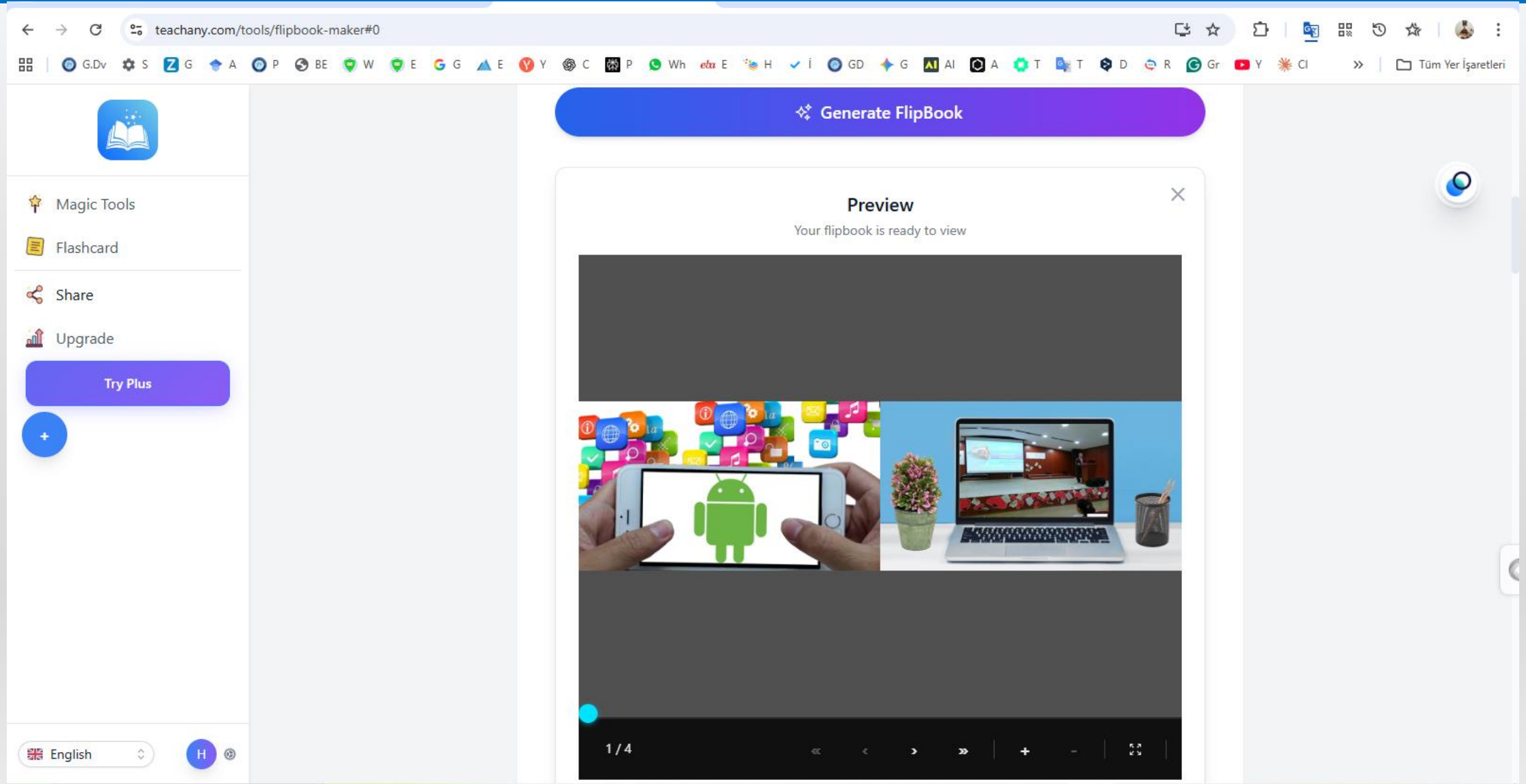
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OE.png 1.07 MB PNG

AI.png 4.26 MB PNG

CE.png 1.08 MB PNG

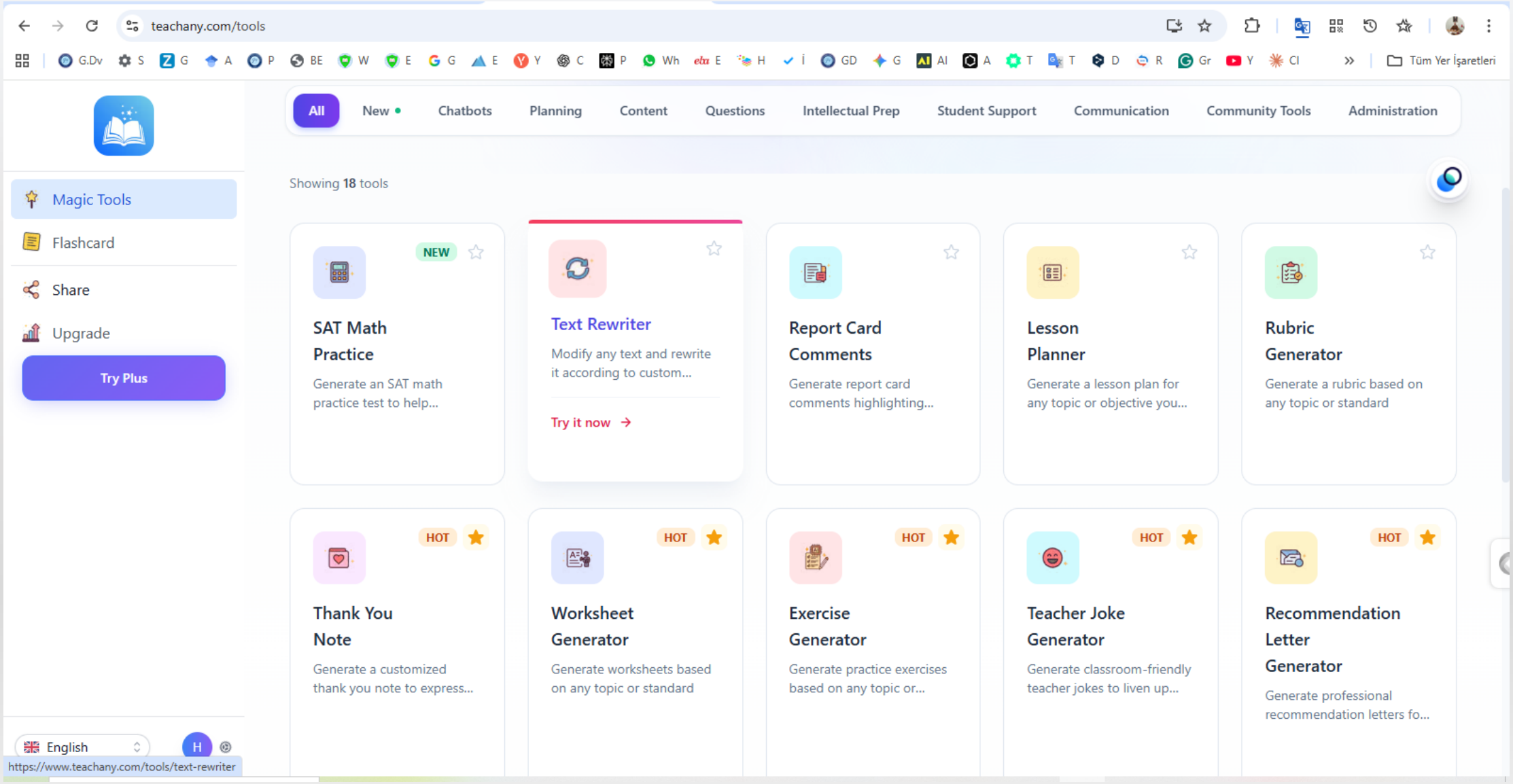
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Text Rewriter

Modify any text and rewrite it according to custom criteria!

Fill with Demo Example

Original Text: *

Yapay Zeka (YZ), insan ve hayvan gibi doğal organizmaların sergilediği doğal zekanın aksine, insanlar tarafından yaratılan sistemlerin gösterdiği zekayı ifade eder. YZ araştırmaları, görsel algılama, konuşma tanıma, karar verme ve dil çevirisi gibi tipik olarak insan zekası gerektiren görevleri yerine getirebilen sistemler geliştirmeyi içeren bir bilgisayar bilimi dalı haline gelmiştir.

YZ iki kategoriye ayrılabilir: zayıf YZ ve güçlü YZ. Zayıf YZ belirli görevler için tasarlanırken, güçlü YZ insanlarla aynı entelektüel görevleri yerine getirebilir. Şu anda, çoğu pratik uygulama zayıf YZ örnekleridir.

Rewrite Requirements: *

Metni ortaokul öğrencileri için basit ve anlaşılır bir dille yeniden yazın, uzunluğunu %30 azaltın.

Generate





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English

Yapay Zeka (YZ), insan ve hayvan gibi doğal organizmaların sergilediği doğal zekanın aksine, insanlar tarafından yaratılan sistemlerin gösterdiği zekayı ifade eder. YZ araştırmaları, görsel algılama, konuşma tanıma, karar verme ve dil çevirisi gibi tipik olarak insan zekası gerektiren görevleri yerine getirebilen sistemler geliştirmeyi içeren bir bilgisayar bilimi dalı haline gelmiştir.

YZ iki kategoriye ayrılabilir: zayıf YZ ve güçlü YZ. Zayıf YZ belirli görevler için tasarlanırken, güçlü YZ insanlarla aynı entelektüel görevleri yerine getirebilir. Şu anda, çoğu pratik uygulama zayıf YZ örnekleridir.

Rewrite Requirements: *

Metni ortaokul öğrencileri için basit ve anlaşılır bir dille yeniden yazın, uzunluğunu %30 azaltın.

Generate

Rewrite Results:

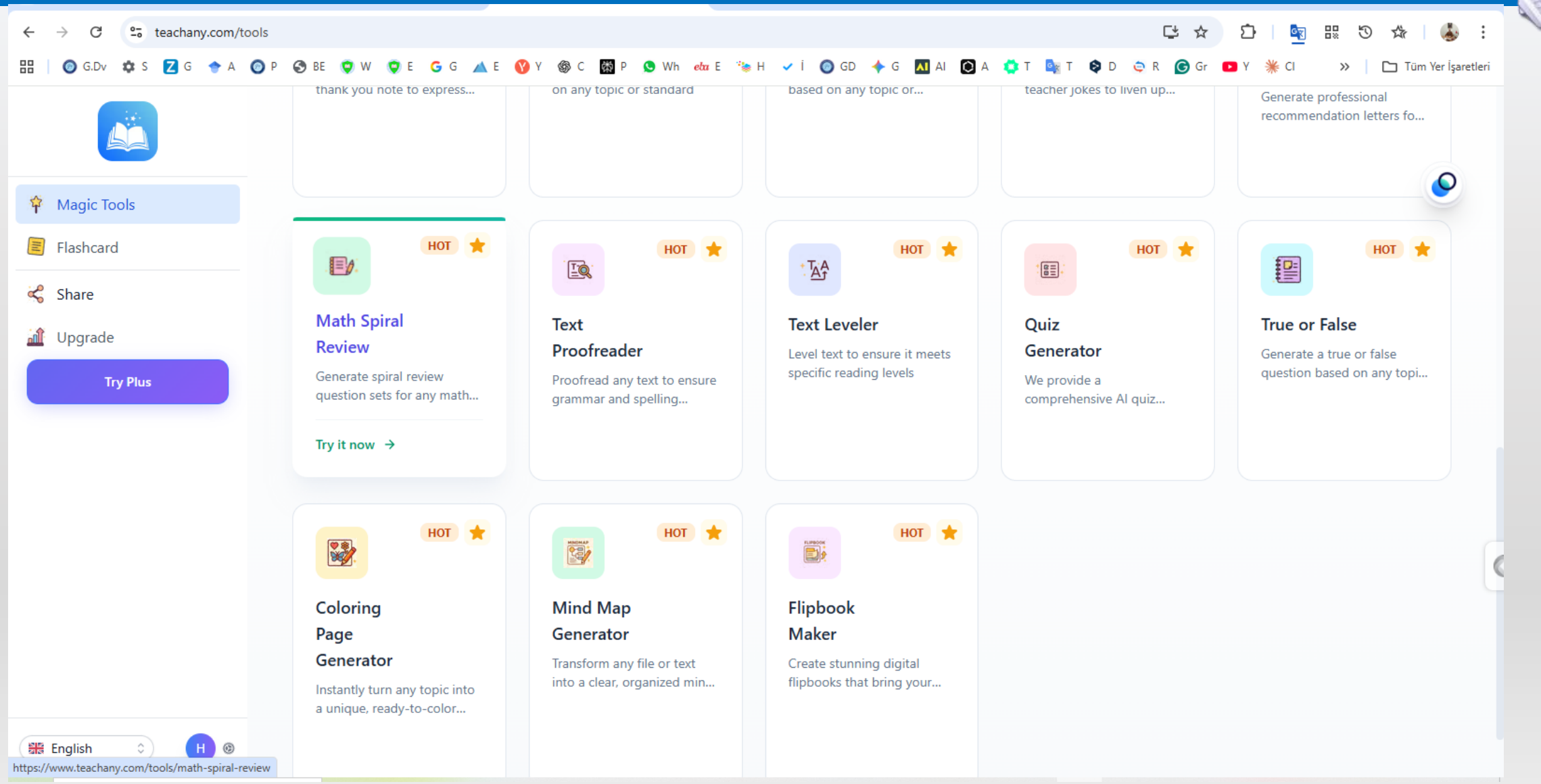
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Yapay Zeka (YZ), insan ve hayvanların doğal zekasının aksine, insanların yarattığı akıllı sistemlerdir. YZ, bilgisayarların görme, konuşma, karar verme ve dil çevirme gibi insan gibi düşünmesini sağlar.

YZ ikiye ayrılır: zayıf YZ ve güçlü YZ. Zayıf YZ sadece belirli işleri yaparken, güçlü YZ insan gibi düşünebilir. Günümüzde çoğu YZ, zayıf YZ'dir.







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Math Spiral Review

Generate spiral review question sets for any math standard or topic

Clear Input Example

Grade Level: *

Grade 8

Number of Questions: *

5 questions

Math Content: *

Geometri alan hesaplama

Additional Standards (optional):

Enter any additional math standards or topics that will be integrated with the main content into review questions...

Generate Review Questions





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Generate Review Questions

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Math Spiral Review Questions:

Copy Print

1. Dikdörtgenin kısa kenarı 5 cm, uzun kenarı 8 cm'dir. Bu dikdörtgenin alanını bulunuz.

Cevap:

Dikdörtgenin alanı, kısa kenar ile uzun kenarın çarpımıdır.

Alan = kısa kenar × uzun kenar = 5 cm × 8 cm = 40 cm^2

---

2. Bir üçgenin tabanı 10 cm, yüksekliği 6 cm'dir. Bu üçgenin alanını hesaplayınız.

Cevap:

Üçgenin alanı = (Taban × Yükseklik) / 2

Alan = (10 cm × 6 cm) / 2 = 60 cm^2 / 2 = 30 cm^2

---

3. Yarıçapı 7 cm olan bir dairenin alanını bulunuz. (π = 3,14 olarak alınız.)

Cevap:

Dairenin alanı = π × $yarıçap^2$

Alan = 3,14 × 7^2 = 3,14 × 49 = 153,86 cm^2





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Generate spiral review

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Proofread any text to ensure

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Level text to ensure it meets specific reading levels

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We provide a

HOT

True or False
Generate a true or false question based on any topi...

English

https://www.teachany.com/tools/teacher-jokes





teachany.com/tools/teacher-jokes

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Teacher Jokes Generator

Generate classroom-friendly teacher jokes to liven up the atmosphere

Clear Input Example

Education Level: *

High School

Number of Jokes: *

5 jokes

Subject: *

Physical Education

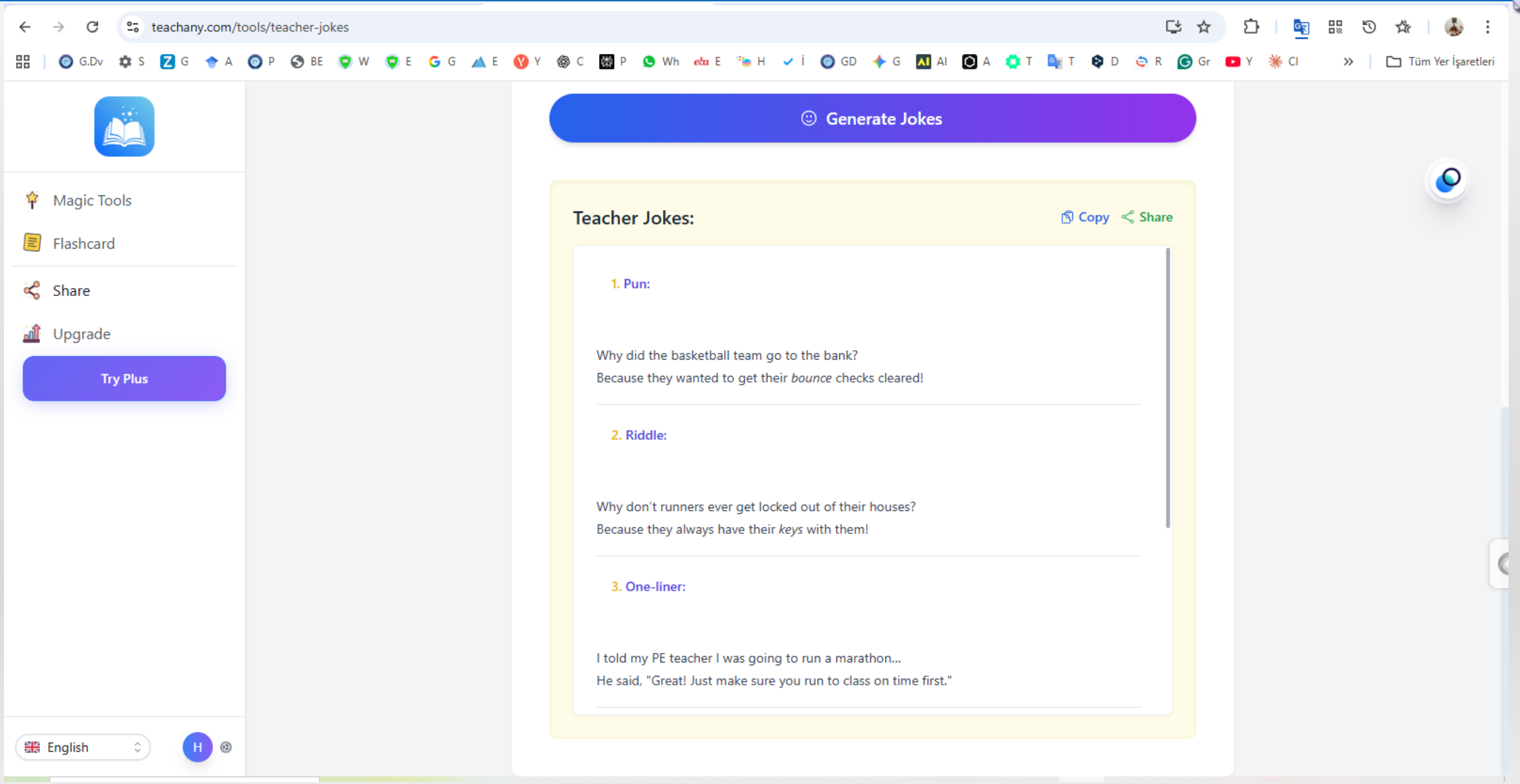
Joke Types: *

- [x] Puns
- [x] Riddles
- [x] One-liners
- [x] Classroom Jokes
- [x] Teacher-Student Dialogues
- [x] Subject-specific Jokes

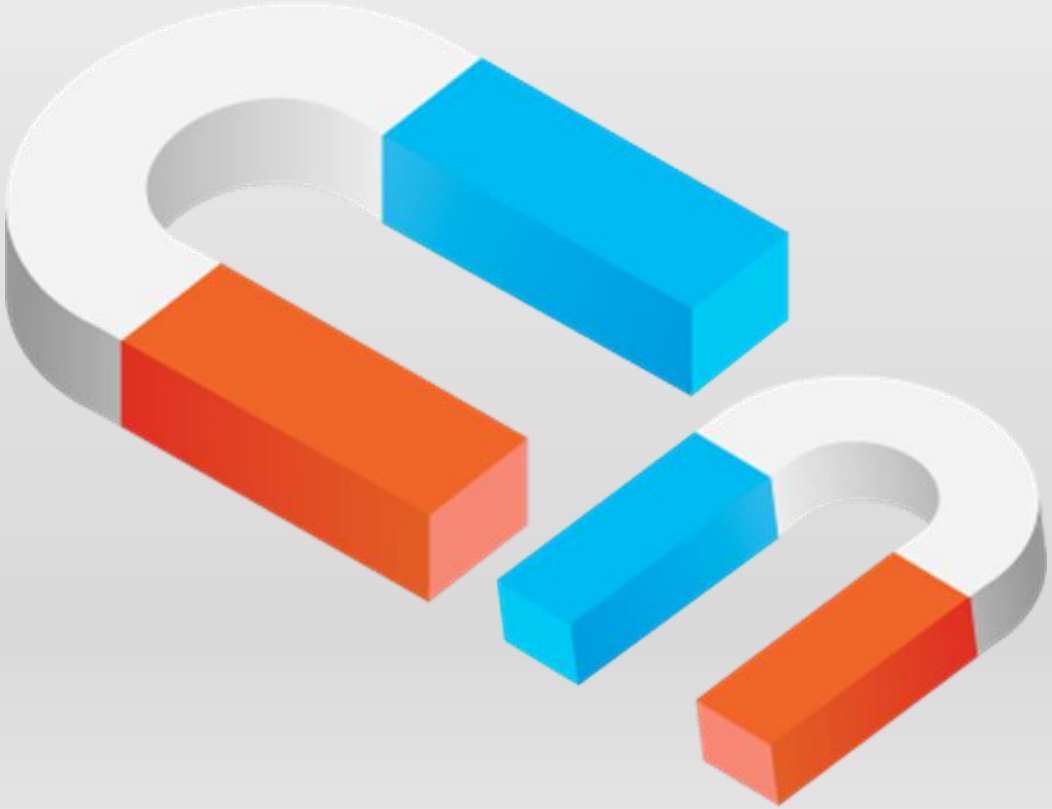
Generate Jokes







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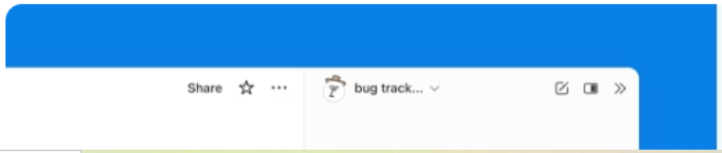
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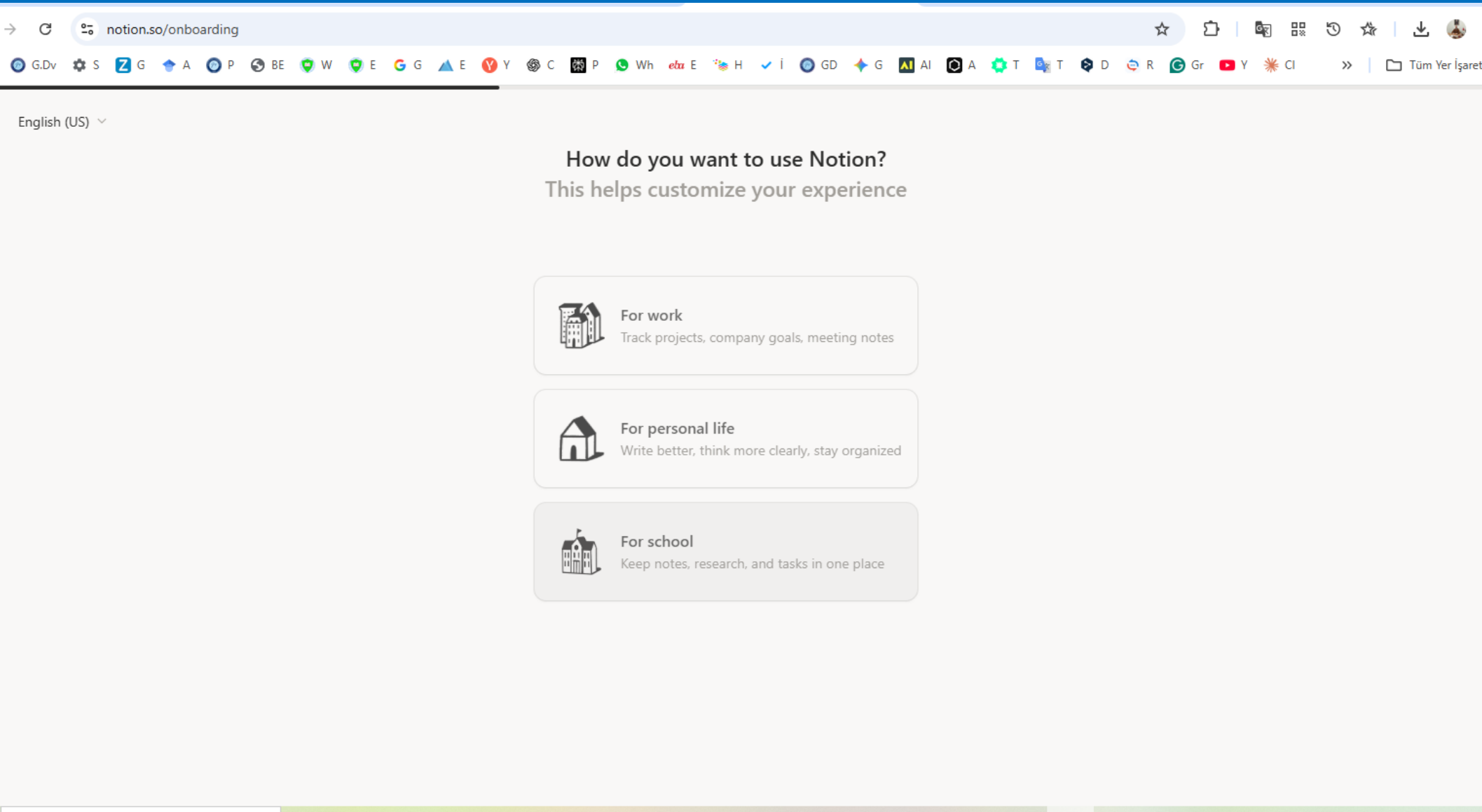
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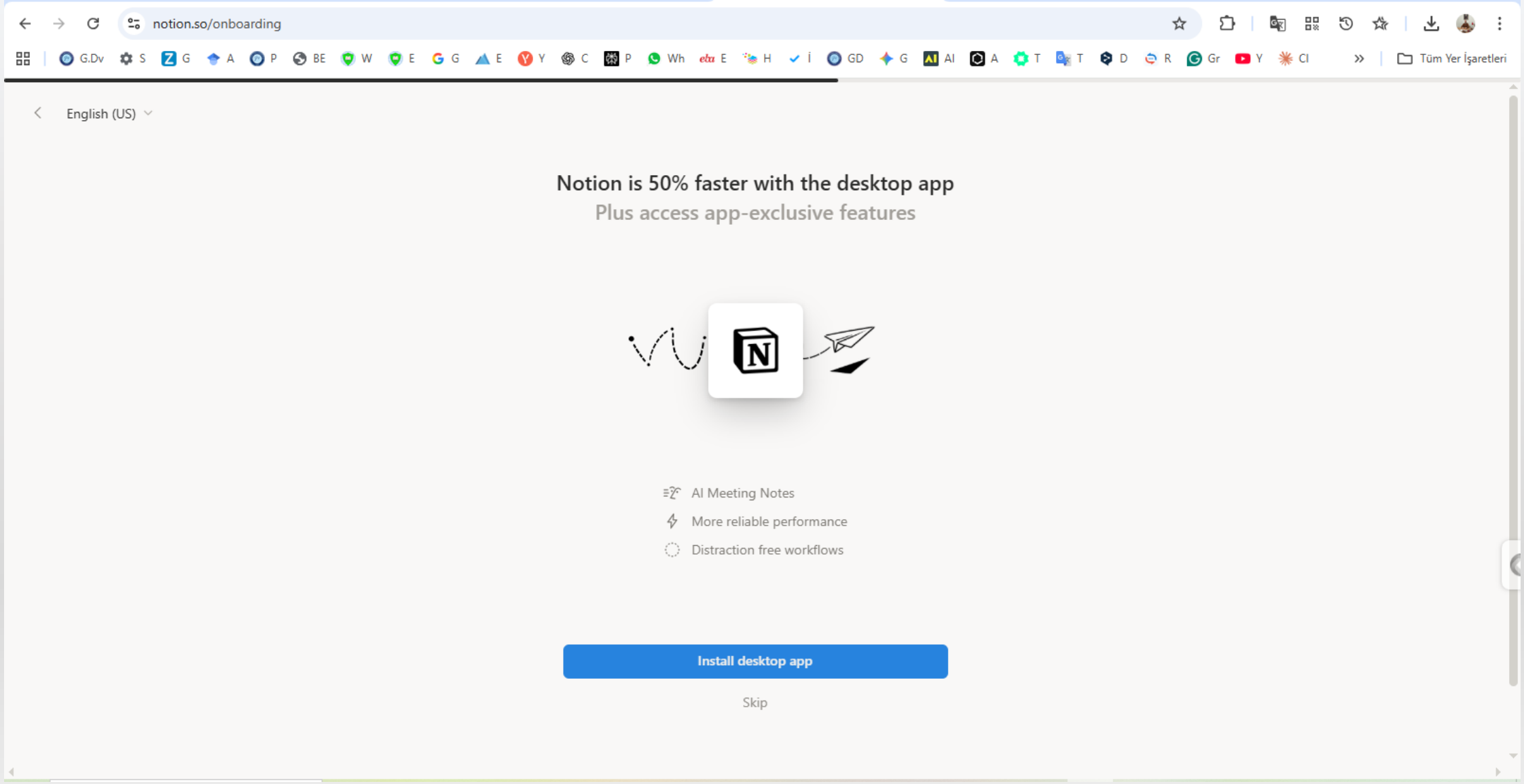
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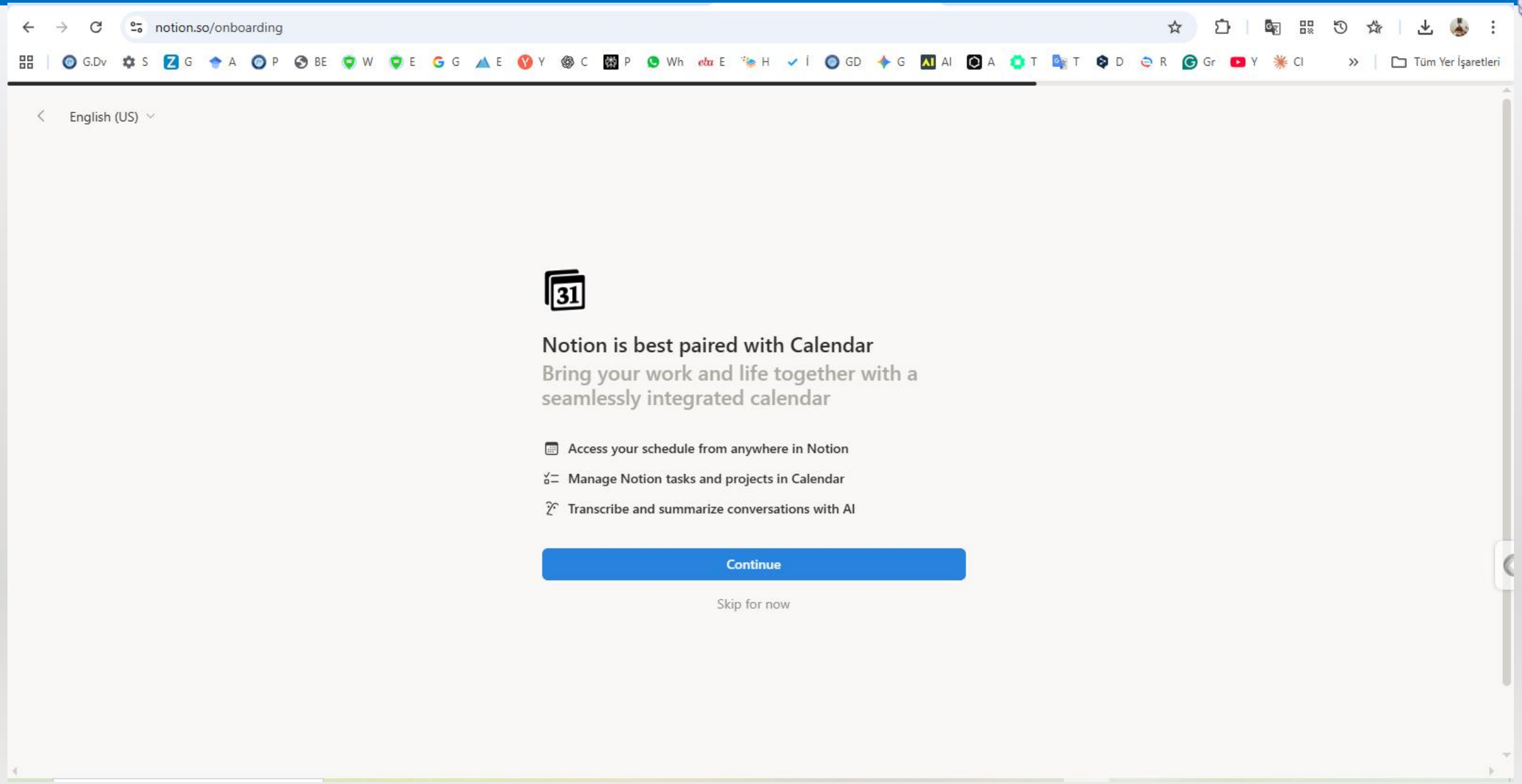
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Welcome to Notion!
To Do List
Add new

Shared
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Notion Mail
Notion Calendar
Notion Desktop

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Collaborate with your team.

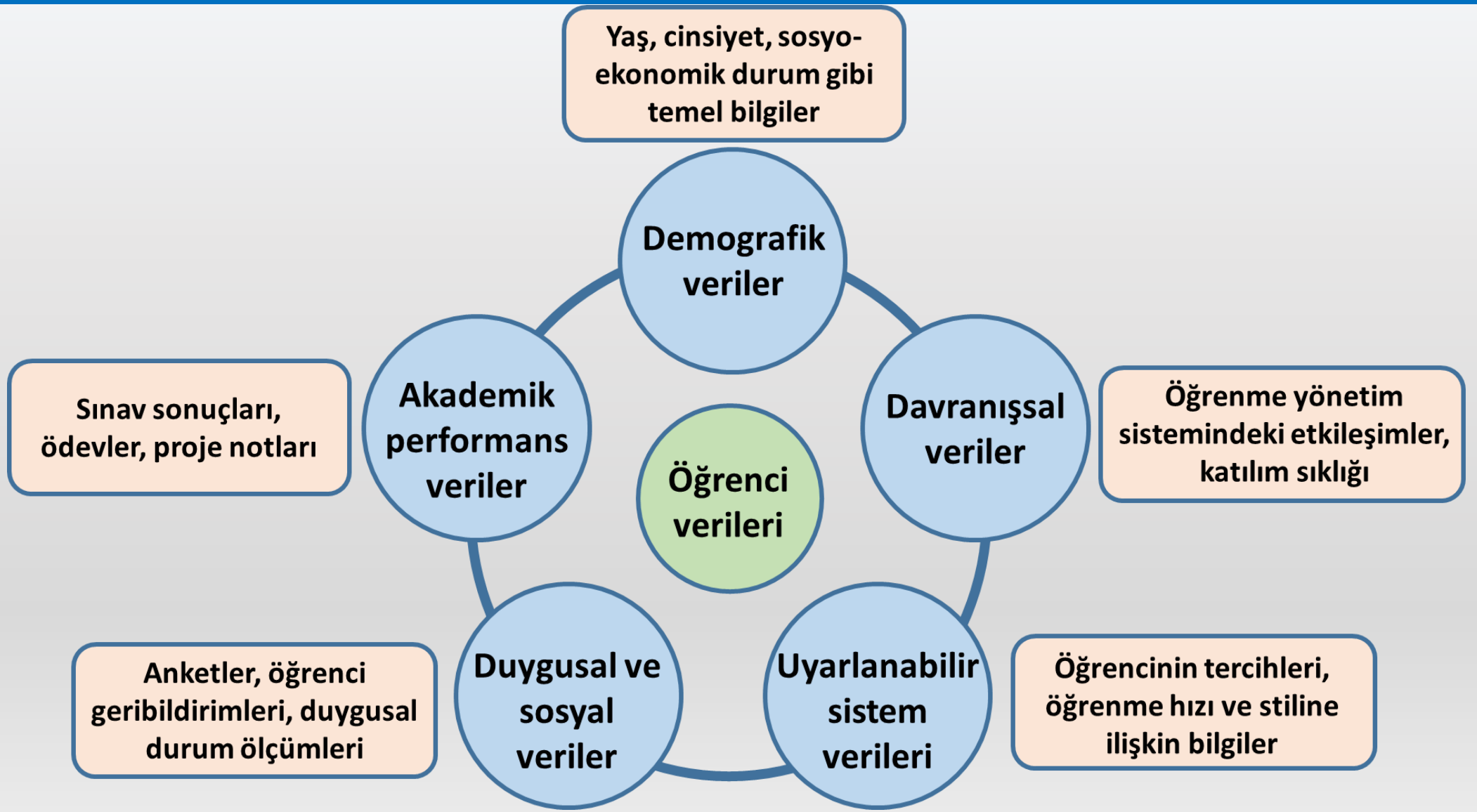
Welcome to Notion! Private — Edited just now — Share

Welcome to Notion!

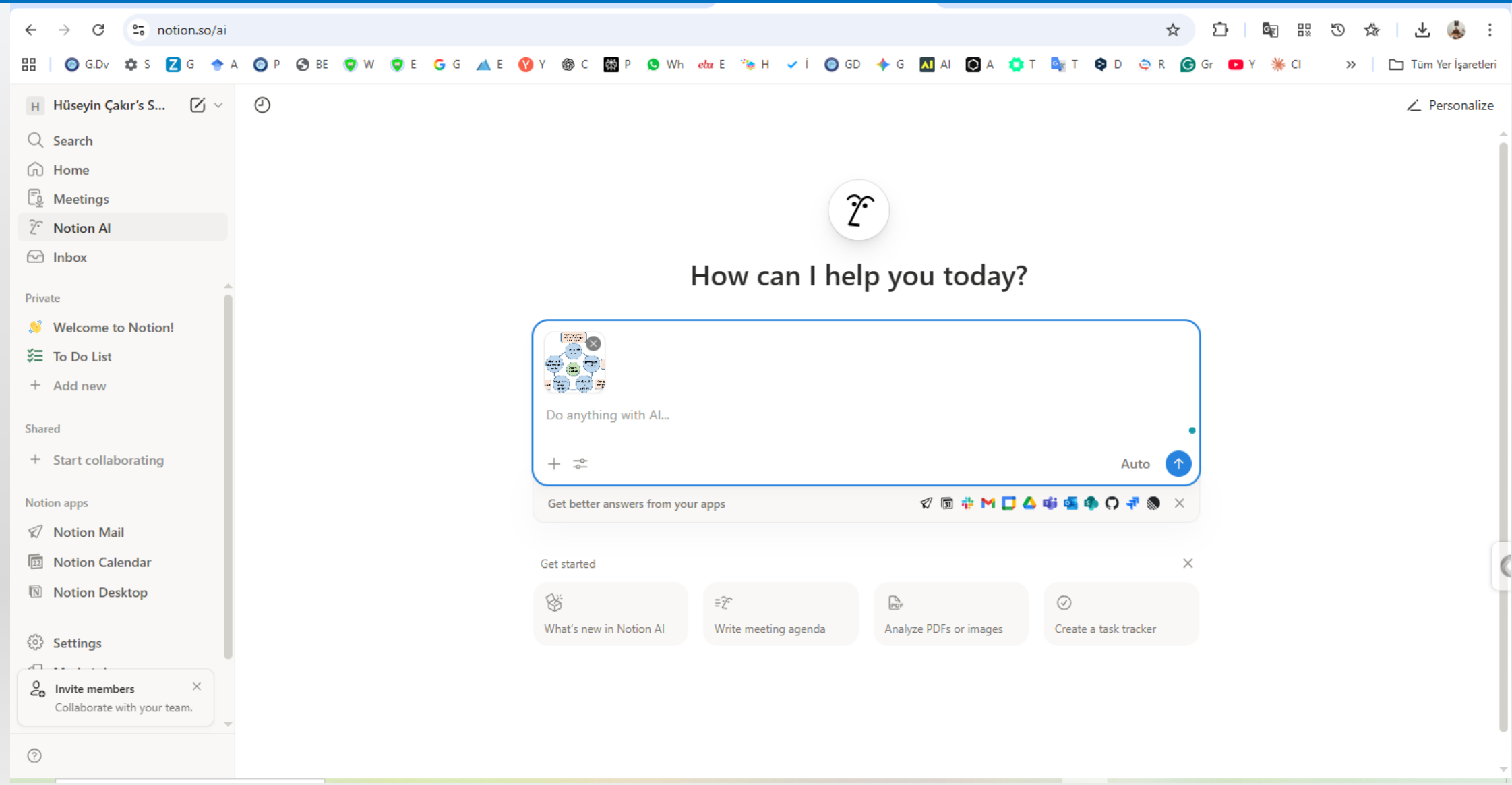
- [x] ~~Create an account with Notion~~
- [ ] Download the desktop app to unlock offline mode and take Notion with you wherever you go
- [ ] Click anywhere below and **type** `/` to see what you can create – headers, tables, to-do's, etc.
  - [ ] Type `/page` to add a **new page** and nest anything, anywhere
- [ ] **Find**, **organize**, and **add new pages** using the sidebar to the left
  - [ ] Check out the **To Do List** we added for you with more tips and tricks to best use Notion
- [ ] Click on the **Notion AI face** in the bottom right of your screen or click here to see what Agent can do

▶ This is a toggle block. Click the little triangle to see a few more useful tips!

▶ Check out **AI Meeting Notes** to transcribe your meetings and get automatic summaries with action items. Open this toggle to learn more.



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notion.so/chat?t=2f02adba400580d8bf0800a9100492e1

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Notion AI / New AI chat

Thursday, Jan 22 · Notion AI



Thought

The user has sent an empty message along with an image. The image shows a diagram in Turkish that appears to be about student data. Let me examine the diagram:

The diagram shows "Öğrenci verileri" (Student data) in the center, with various categories around it:

- Demografik veriler (Demographic data) - with "Yaş, cinsiyet, sosyo-ekonomik durum gibi temel bilgiler" (Basic information like age, gender, socio-economic status)
- Davranışsal veriler (Behavioral data) - with "Öğrenme yönetim sistemindeki etkileşimler, katılım sıklığı" (Interactions in learning management system, participation frequency)

Gönderdiğiniz görselde öğrenci verilerini kategorize eden bir şema görüyorum. Size bu bilgileri yapılandırılmış bir şekilde Notion'da düzenleyebilirim.

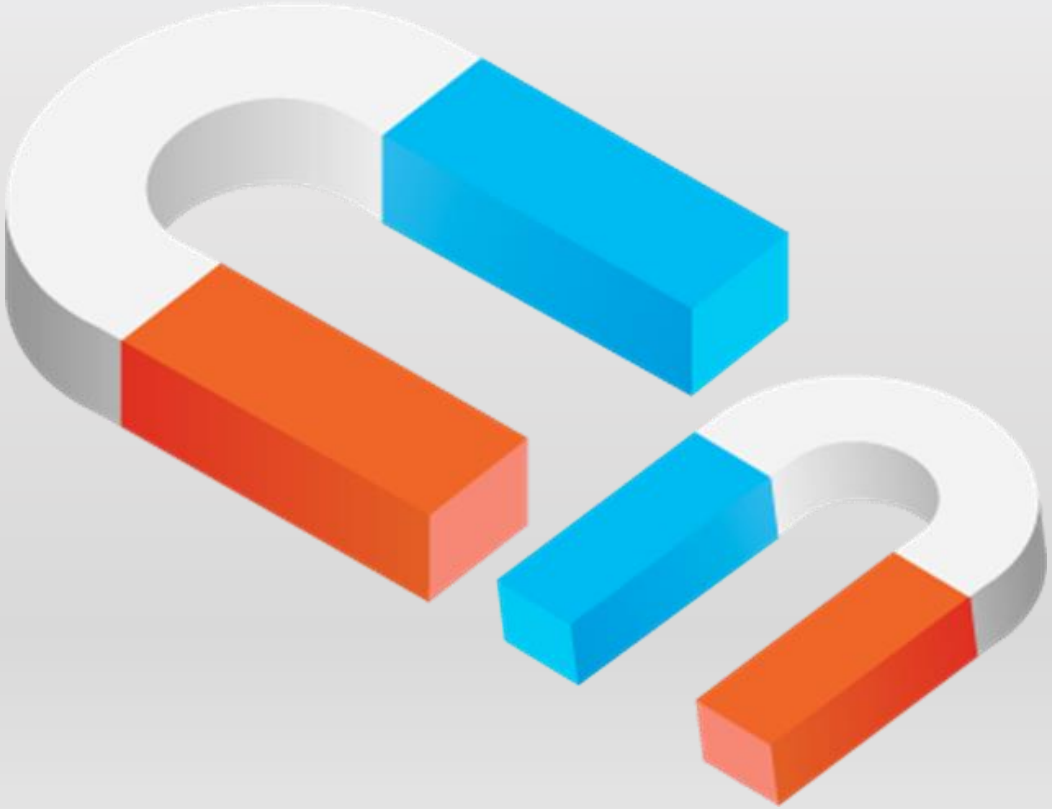
Bunun için ne yapmamı istersiniz?

1. **Bir sayfa oluşturayım** - Öğrenci verileri kategorilerini detaylı bir şekilde açıklayan bir rehber sayfa
2. **Bir veritabanı oluşturayım** - Öğrenci verilerini takip edebileceğiniz bir sistem
3. Başka bir şey - Lütfen ne yapmamı istediğinizi belirtin

Do anything with AI...

Auto

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WOLFRAM ALPHA

WolframAlpha bir “hesaplayan bilgi motoru”dur. Google gibi link vermez; sorduğun soruyu gerçekten çözer, hesaplar ve açıklar.

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Özellikle Matematik, Fizik, Kimya, Mühendislik, İstatistik ve Teknoloji alanlarında çok güçlüdür. Eğitimde öğretmenler ve öğrenciler için tam bir “akıllı asistan” gibidir.

https://www.wolframalpha.com/

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wolframalpha.com

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Plotting & Graphics	Engineering	Words & Linguistics	Entertainment
Calculus & Analysis	Computational Sciences	Money & Finance	Household Science
Geometry	Earth Sciences	Food & Nutrition	Household Math

WolframAlpha ne işe yarar?

- Matematiksel işlemleri **adım adım çözer**
- Grafikler ve tablolar oluşturur
- Fizik ve kimya problemlerini **formülleriyle hesaplar**
- Birim dönüşümleri yapar
- Veri analizi ve istatistik hesapları yapar
- Kod, algoritma ve teknik hesaplamalarda yardımcı olur

wolframalpha.com

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∫ (4 x 3 − 2 x + 1) d x ∫(4x 3 −2x+1)dx integralini hesapla.

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wolframalpha.com/input?i=∫+%28+4+x+3+−+2+x+%2B+1+%29+%E2%80%89+d+x+∫%284x+3+−2x%2B1%29dx+integralini+hesapla.

WolframAlpha

∫ (4 x 3 − 2 x + 1) d x ∫(4x 3 −2x+1)dx integralini hesapla.

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Using closest Wolfram|Alpha interpretation: **(4x 3 -2x+1)**

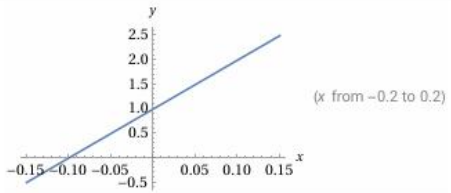
Input

$4x \times 3 - 2x + 1$

Result — Step-by-step solution

$10x + 1$

Plot



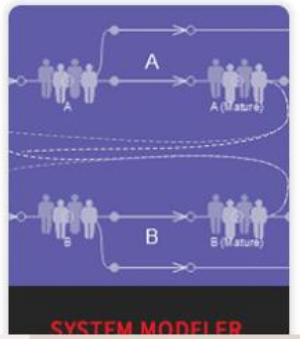
Geometric figure — Properties

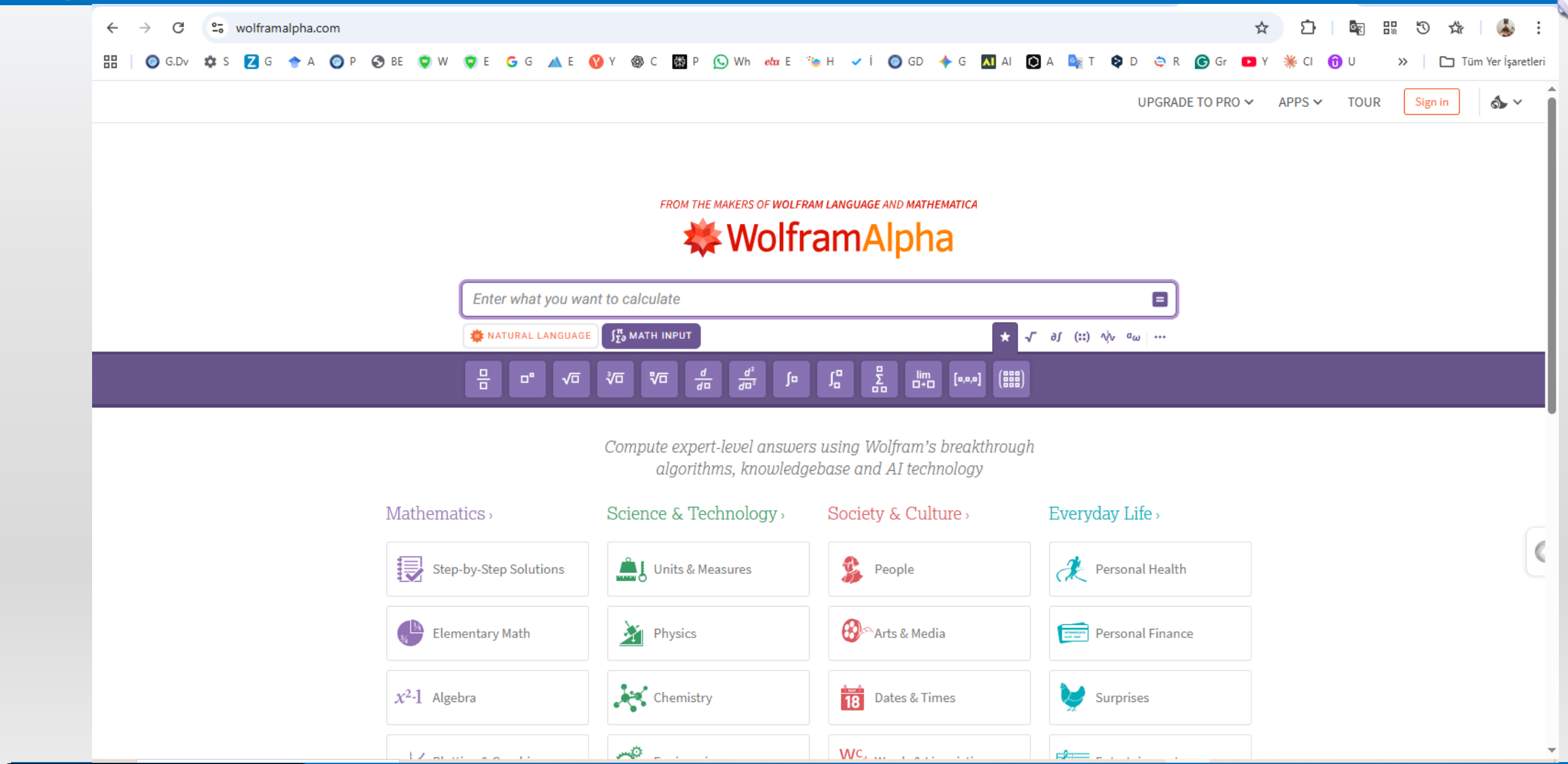
line

Root — Decimal form | Step-by-step solution

1

DISCOVER WHAT'S POSSIBLE
with Wolfram|Alpha
Take the Tour





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$$\begin{pmatrix} 0 & 2 & 1 \\ 1 & 1 & 1 \\ 2 & 2 & 2 \end{pmatrix} * \begin{pmatrix} 2 & 1 & 1 \\ 2 & 1 & 1 \\ 1 & 2 & 1 \end{pmatrix}$$

NATURAL LANGUAGE MATH INPUT

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Step-by-Step Solutions	Units & Measures	People	Personal Health
Elementary Math	Physics	Arts & Media	Personal Finance
Algebra	Chemistry	Dates & Times	Surprises

wolframalpha.com/input?i2d=true&i=%7B%7B0%2C2%2C1%7D%2C%7B1%2C1%2C1%7D%2C%7B2%2C2%2C2%7D%7D*%7B%7B2%2C1%2C1%7D%2C%7B2%2C1%2C1%7D...

Tüm Yer İşaretleri



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WolframAlpha

$$\begin{pmatrix}0&2&1\\1&1&1\\2&2&2\end{pmatrix}*\begin{pmatrix}2&1&1\\2&1&1\\1&2&1\end{pmatrix}$$

NATURAL LANGUAGE | MATH INPUT

Input

$$\begin{pmatrix}0&2&1\\1&1&1\\2&2&2\end{pmatrix}\cdot\begin{pmatrix}2&1&1\\2&1&1\\1&2&1\end{pmatrix}$$

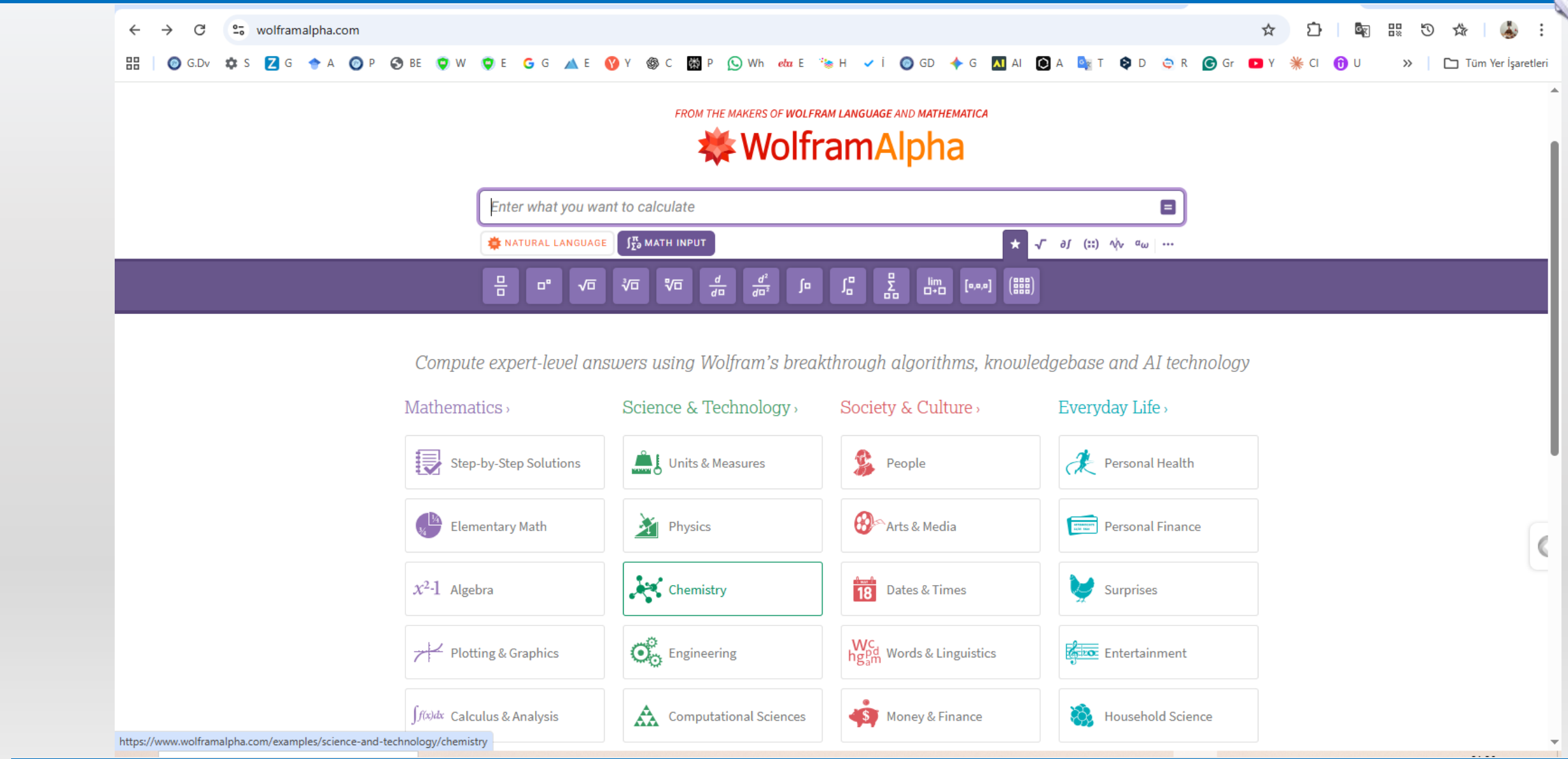
Result — Step-by-step solution

$$\begin{pmatrix}5&4&3\\5&4&3\\10&8&6\end{pmatrix}$$

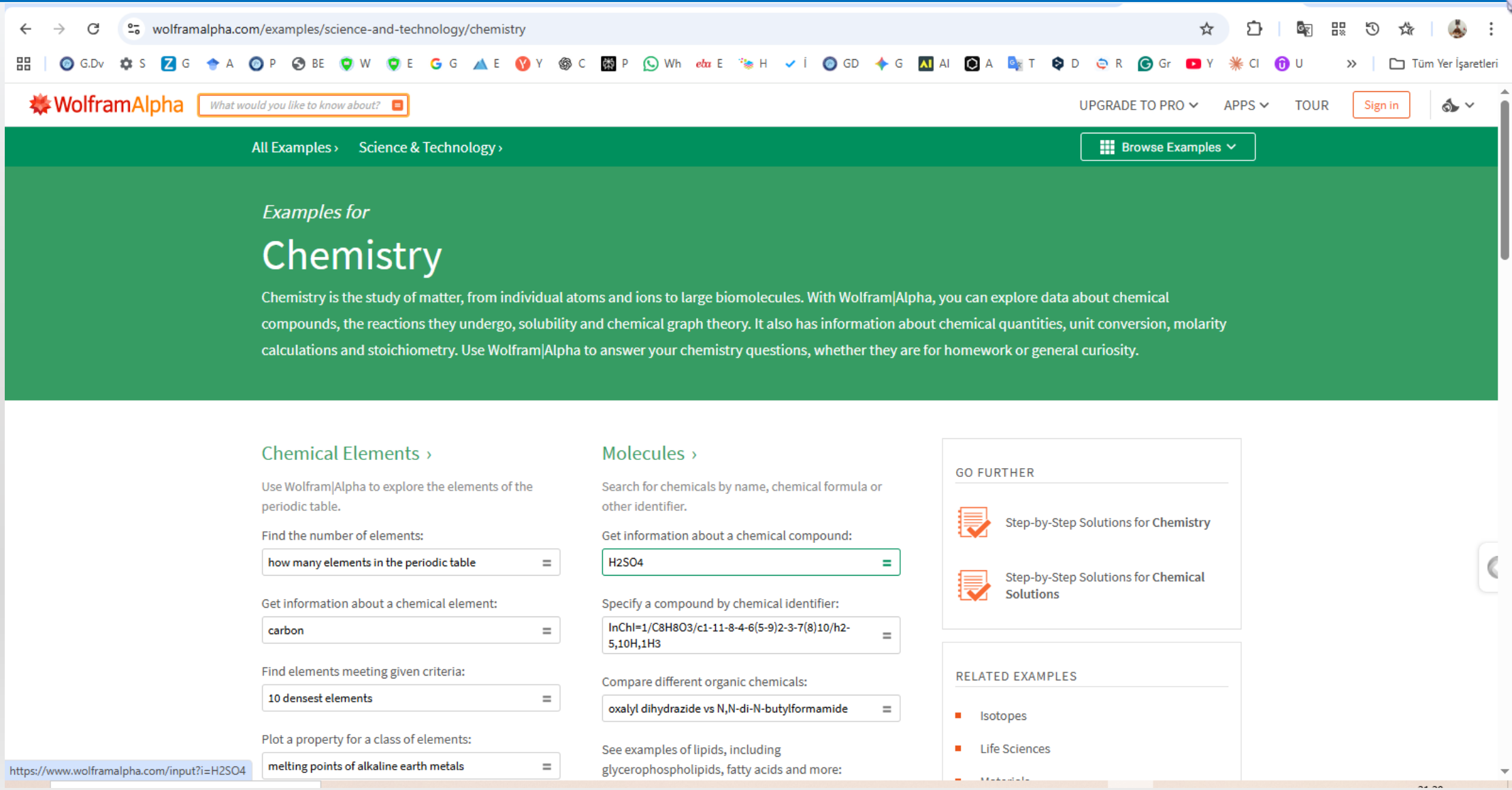
Dimensions — Step-by-step solution

3 (rows) × 3 (columns)





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wolframalpha.com/input?i=H2SO4

WolframAlpha

H2SO4

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Input interpretation

sulfuric acid

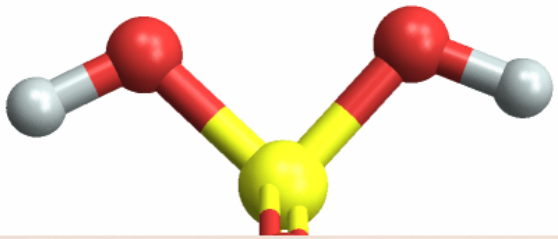
Chemical names and formulas — More

formula	H_2SO_4
Hill formula	H_2O_4S
name	sulfuric acid

Structure diagram — Skeletal structure | Show bond information | Show graph properties | Step-by-step



3D structure — Show bonds only | Show space filling model



Get help with that first step (and all the others)

STEP 1

Use the power rule,

$$\frac{d}{dx}(x^n) = n\,x^{n-1}$$

where $n = \frac{1}{2}$.

Step-by-Step Solutions with Wolfram|Alpha Pro

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wolframalpha.com/examples/mathematics/statistics

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Examples for

Statistics

Statistics is the branch of mathematics involved in the collection, analysis and exposition of data. Given a set of data, Wolfram|Alpha is instantaneously able to compute all manner of descriptive and inferential statistical properties and to produce regression analyses and equation fitting. Wolfram|Alpha's broad computational knowledge of statistical methods allows you to analyze, interpret and visualize your data quickly and accurately.

Descriptive Statistics ›

Compute statistical measures that summarize the properties of a dataset.

Calculate basic descriptive statistics for a dataset:

{25, 35, 10, 17, 29, 14, 21, 31} =

Compute a statistical quantity:

mean {21.3, 38.4, 12.7, 41.6} =

kurtosis {21.3, 38.4, 12.7, 41.6} =

More examples

Statistical Inference ›

Use statistics and hypothesis tests to infer information from a dataset.

Find the sample size needed to estimate a binomial parameter:

sample size for binomial parameter =

Compute a confidence interval for a population mean:

t-interval xbar=4.15, s=0.32, n=100 =

Apply a test for a population mean:

z-test for population mean =

More examples

GO FURTHER

Step-by-Step Solutions for **Statistics**

Statistics Web App

Free Unlimited **Statistics** Practice Problems

RELATED EXAMPLES

Data Input

wolframalpha.com/input?i=%7B25%2C+35%2C+10%2C+17%2C+29%2C+14%2C+21%2C+31%7D

WolframAlpha

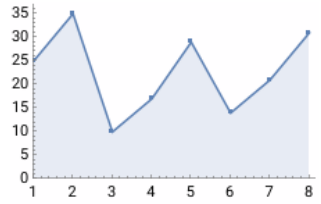
{25, 35, 10, 17, 29, 14, 21, 31}

NATURAL LANGUAGE | MATH INPUT | EXTENDED KEYBOARD | EXAMPLES | UPLOAD | RANDOM

Input

{25, 35, 10, 17, 29, 14, 21, 31}

Plot — Show log-linear plot



Number line



Length of data

8 items

Total

$25 + 35 + 10 + 17 + 29 + 14 + 21 + 31 = 182$

Statistics — More

Get help with that first step (and all the others)

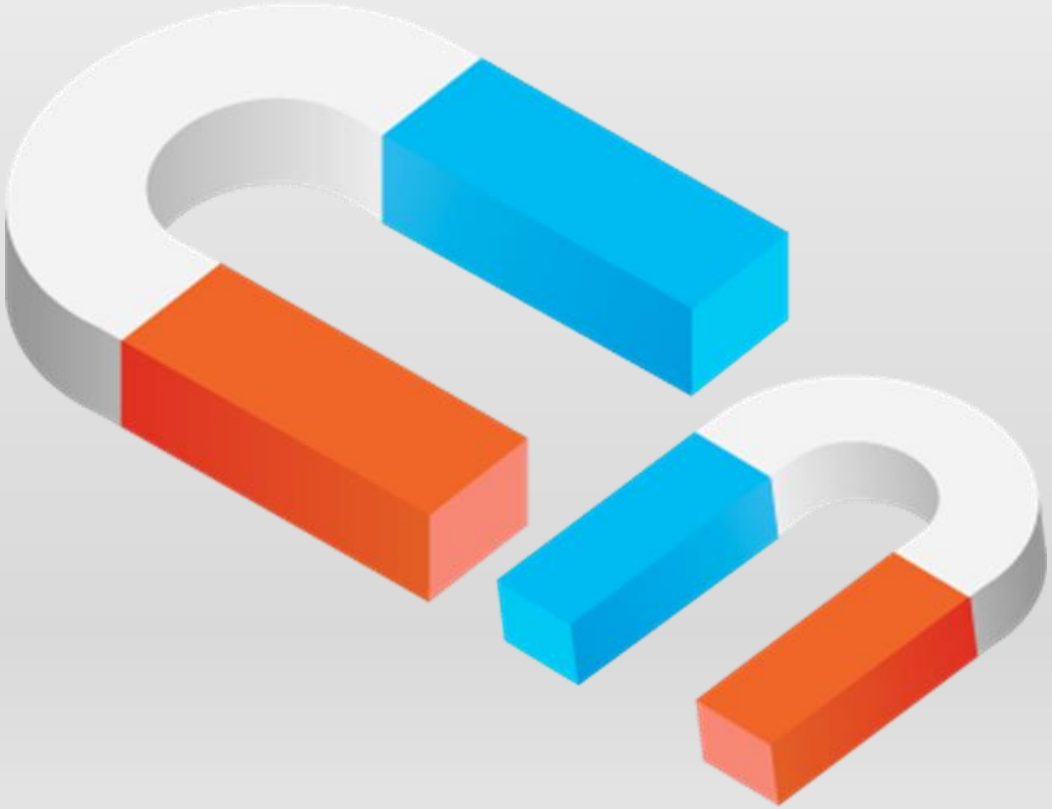
STEP 1

Determine the linear independence of the following set of vectors:

$\begin{pmatrix}1\\2\\3\end{pmatrix}, \begin{pmatrix}1\\2\\4\end{pmatrix}, \begin{pmatrix}1\\2\\c\end{pmatrix}$

Step-by-Step Solutions with Wolfram|Alpha Pro

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Yapay zekâ destekli bir öğrenme ve ödev yardım platformudur.

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Solvely.ai, yapay zekâ (AI) kullanarak kullanıcıların sorularını çözmelerine yardımcı olan bir eğitim aracıdır. Özellikle matematik, fen bilimleri ve diğer akademik konularda detaylı, adım adım çözümler sağlar ve öğrenmeyi destekler.

https://solvely.ai/

Öne çıkan özellikler

Adım adım çözümler: Karmaşık problemleri sadece cevaplamakla kalmaz, çözüm süreçlerini de açıklar.

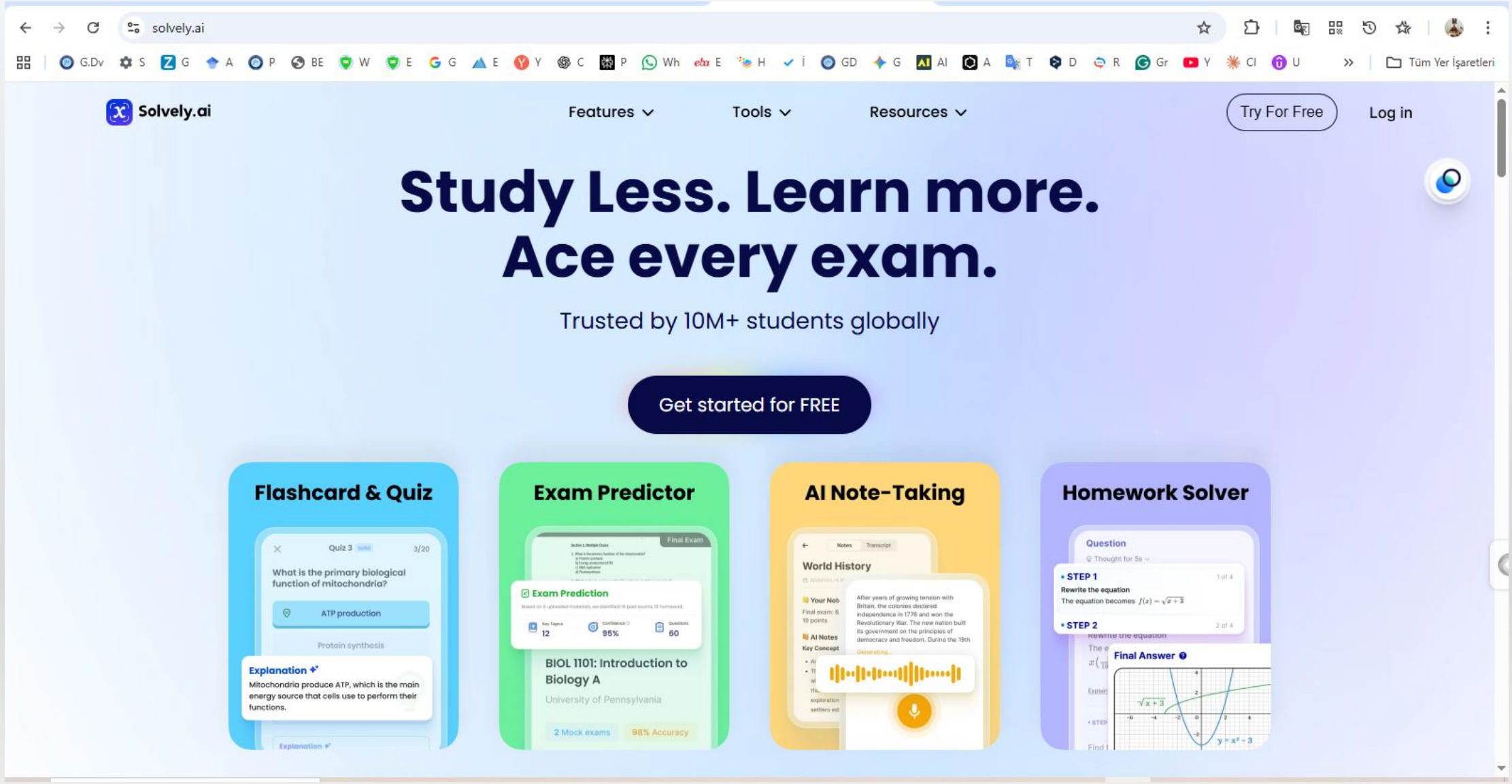
Çoklu konu desteği: Matematik, fizik, kimya, biyoloji, istatistik ve daha fazlasını kapsar.

Fotoğrafla çözüm: Kitap, defter ya da tahtadaki soruları fotoğrafla çekip çözdürebilirsiniz.

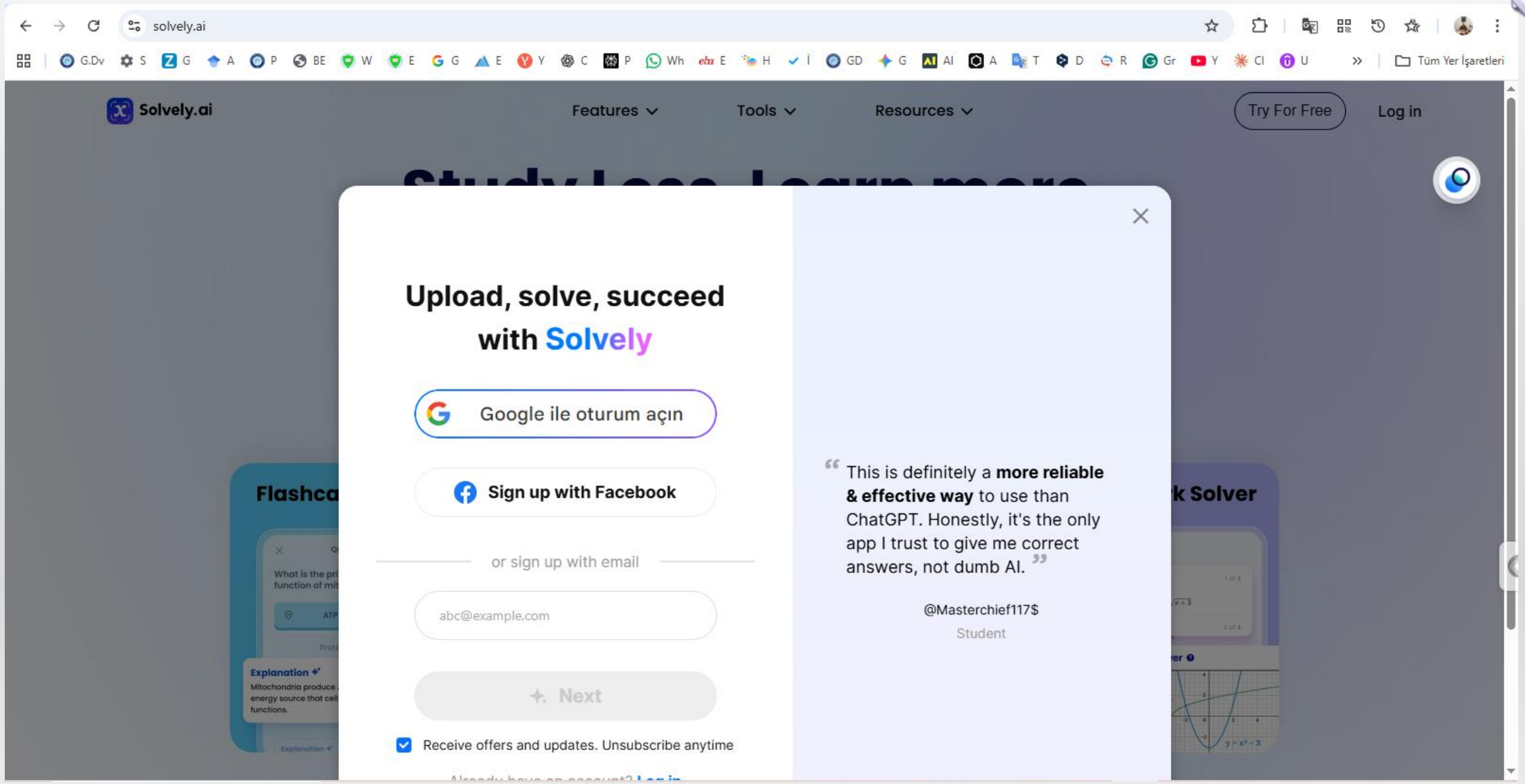
Kişiselleştirilmiş öğrenme: Kullanıcıya göre uyarlanmış cevaplar ve ikinci bir dijital “öğretmen” gibi davranır.

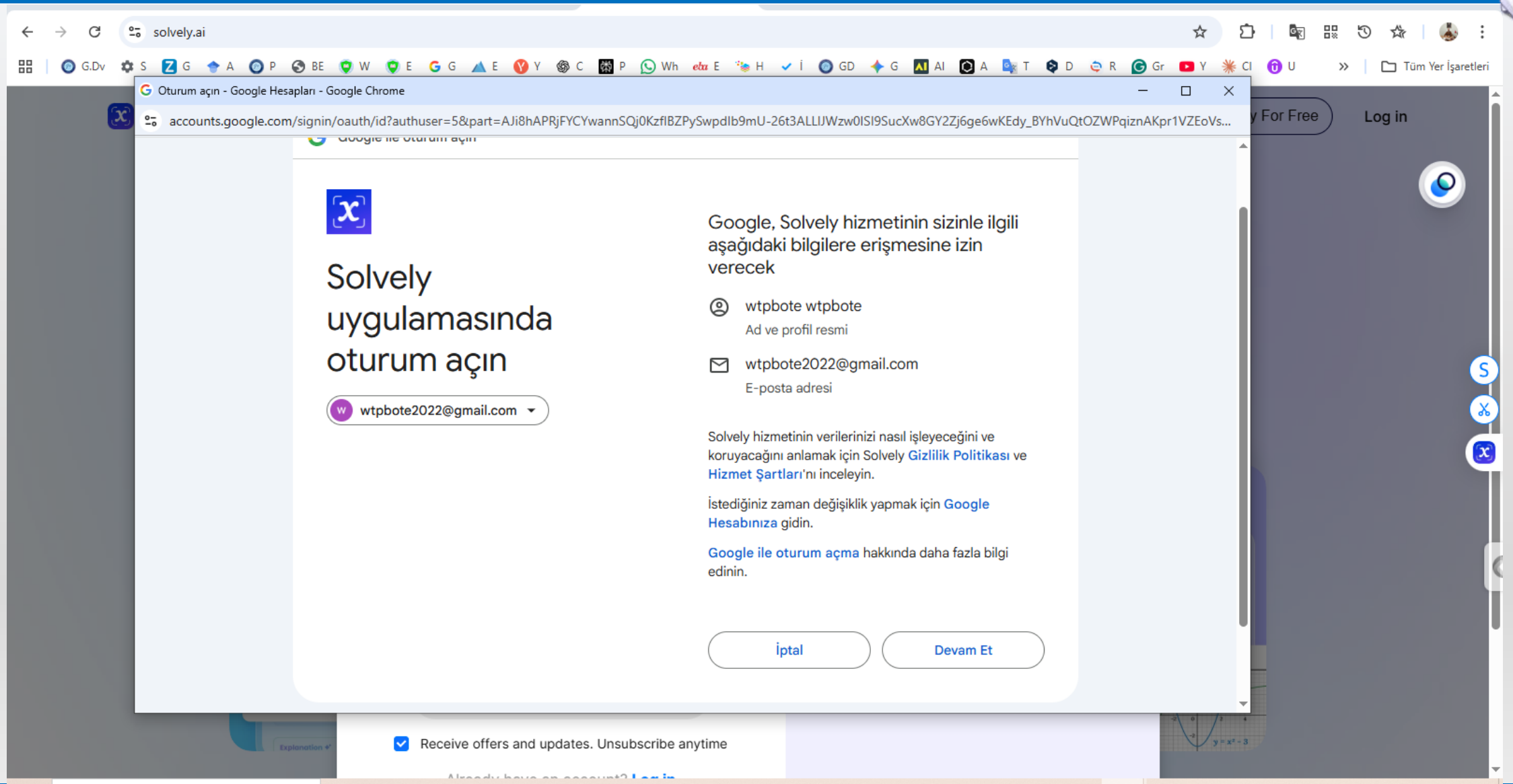
Quiz ve içerik araçları: Soru oluşturucu, not çıkarma gibi ek öğrenme araçları sunabilir.

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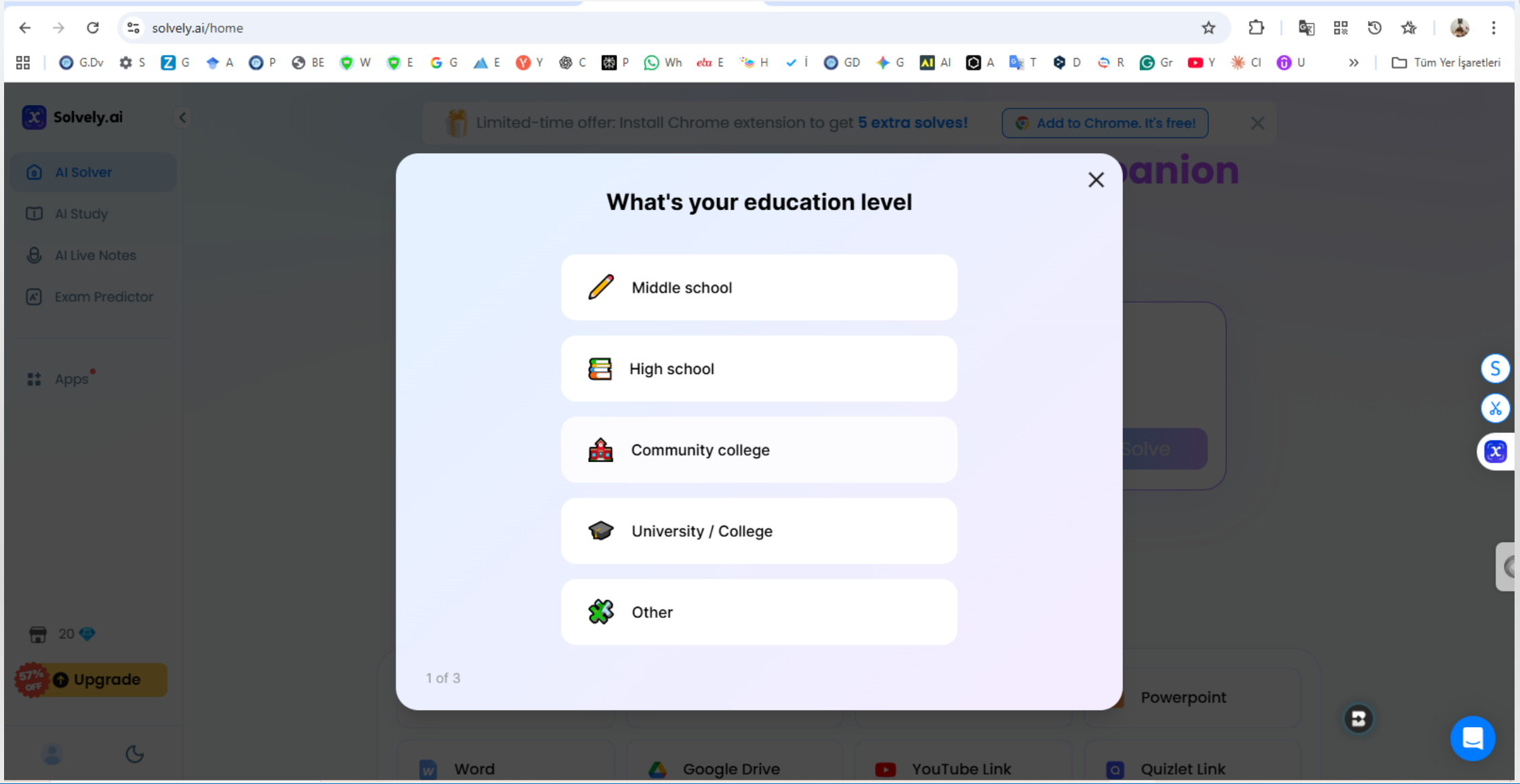


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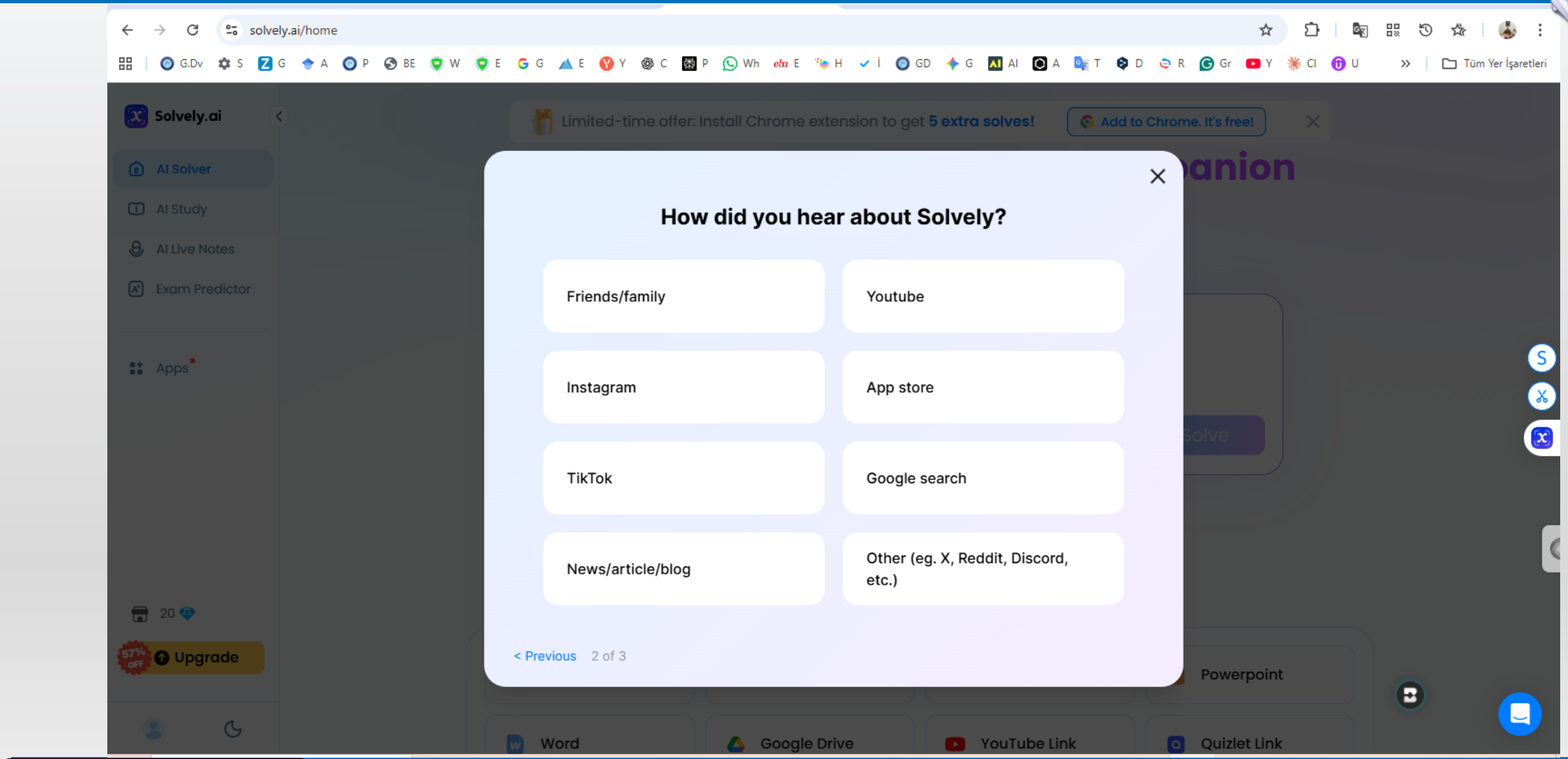

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or sign up with email
abc@example.com
Next
Receive offers and updates. Unsubscribe anytime
This is definitely a more reliable & effective way to use than ChatGPT. Honestly, it's the only app I trust to give me correct answers, not dumb AI.
@Masterchief117$
Student



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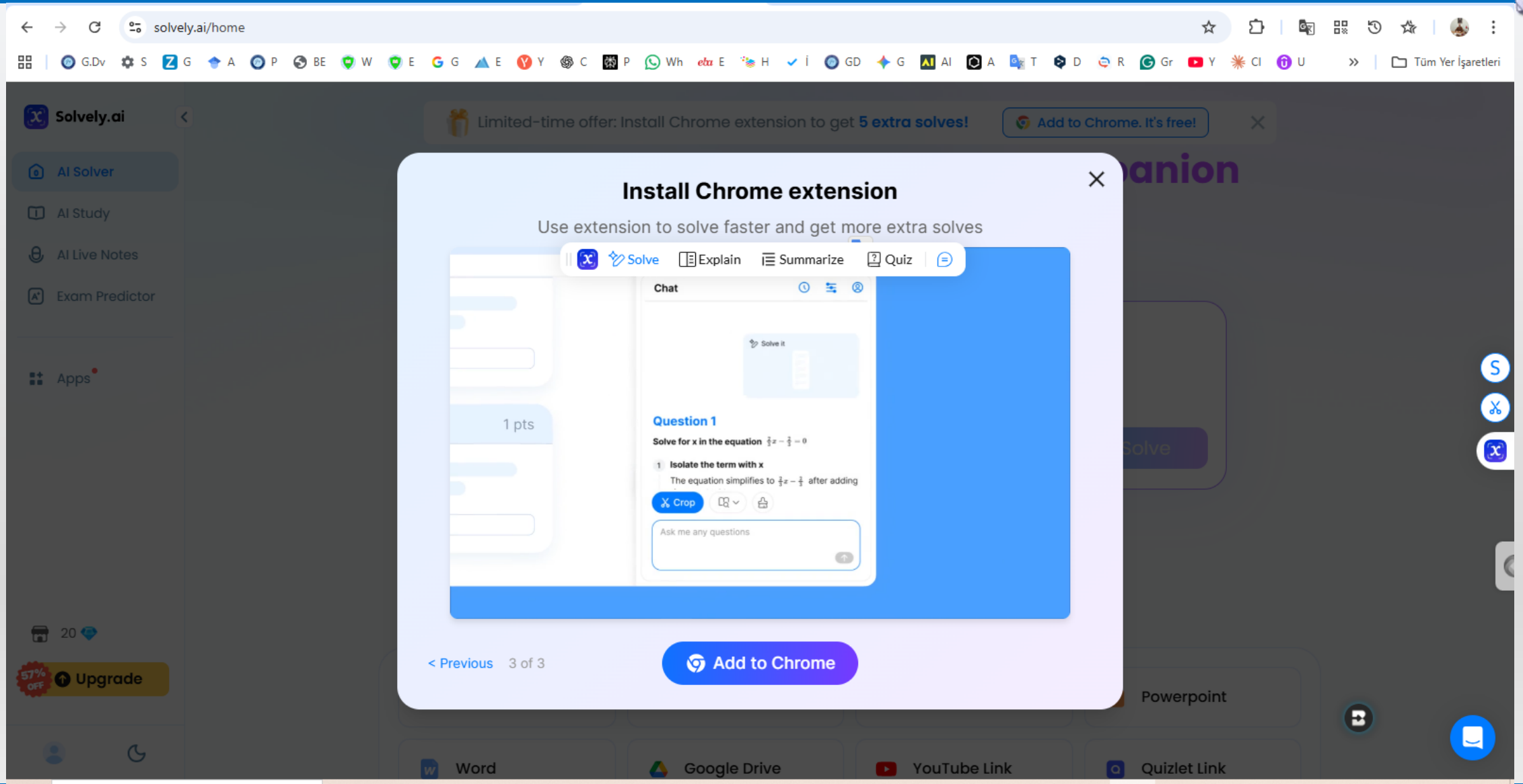
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chromewebstore.google.com/detail/SolvelyAI%20-%20AI%20Homework%20Tutor%20%26%20Study%20Helper/aedglnfjjccpifohekdeoogffomjcikm?utm_source=chrome-re...

chrome web mağazası

Uzantı ve tema arayın

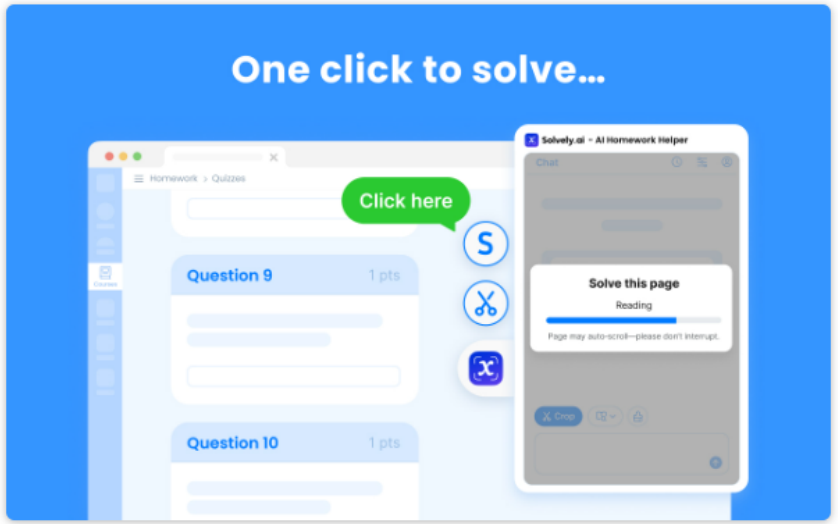
Keşfet | Uzantılar | Temalar

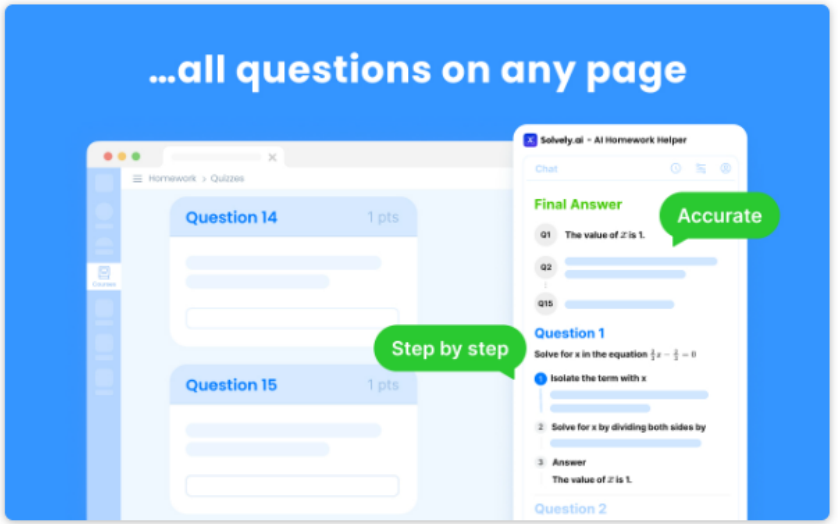
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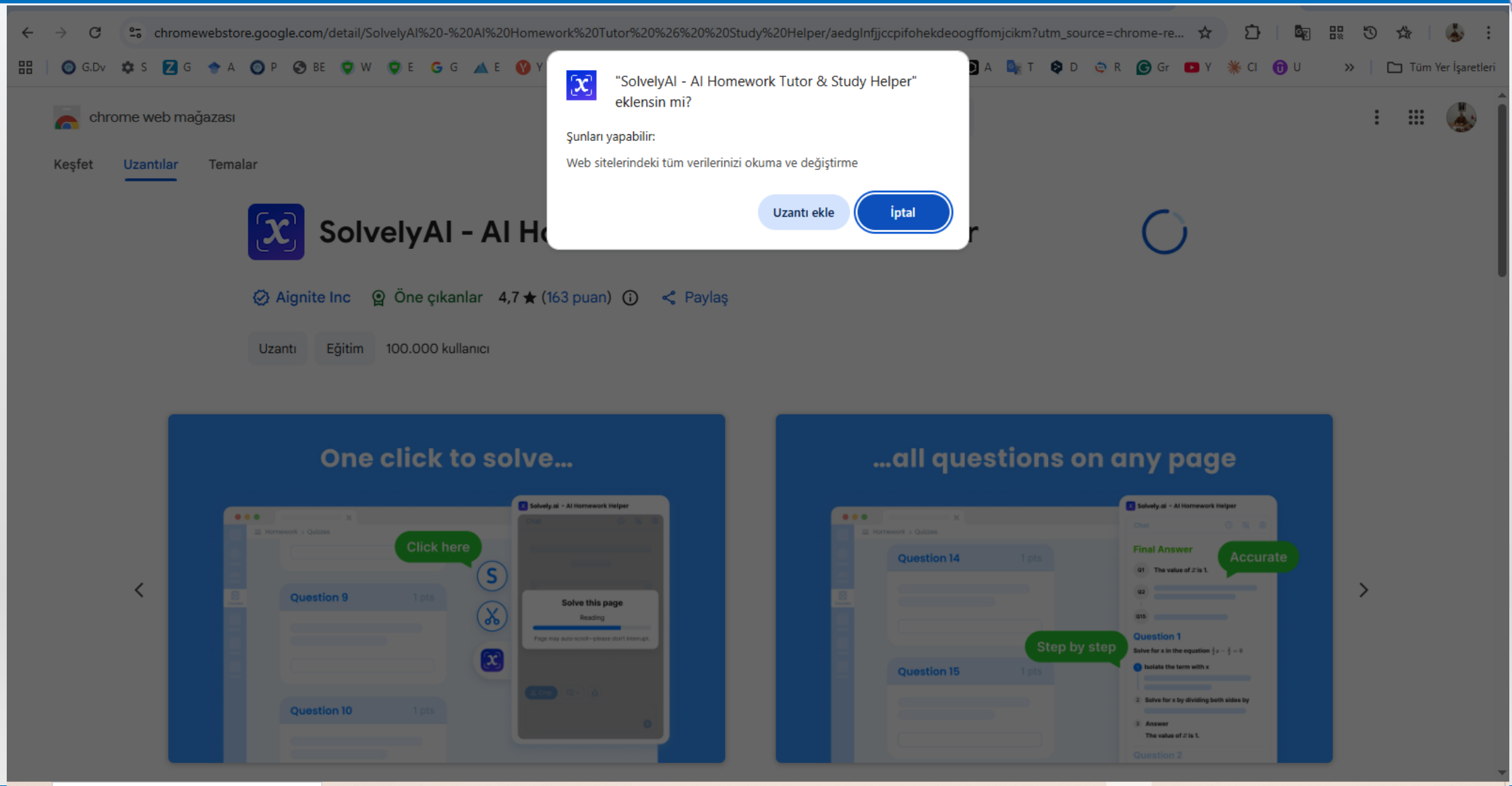
Chrome'a ekle

Aignite Inc | Öne çıkanlar | 4,7 ★ (163 puan) | Paylaş

Uzantı | Eğitim | 100.000 kullanıcı







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Solvely.ai

2025 Chrome Featured Extension

Solve the whole page with one click

Click the "S" button on right side

1 of 2

Calculate the derivative of the function

$$f(x) = 3x^2 + 2x + 1$$

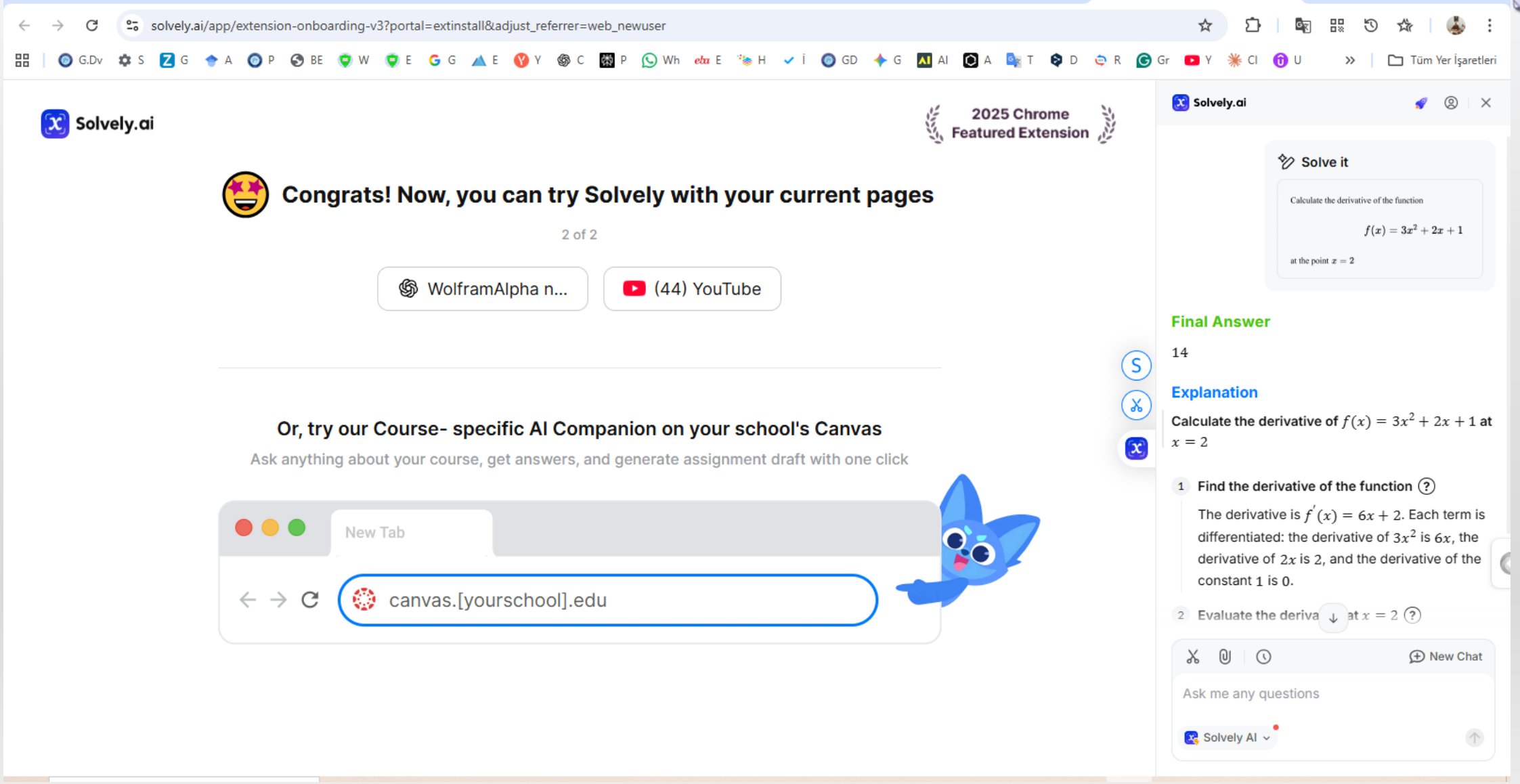
at the point $x = 2$

Sample question for university / college

Click Here







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Type text, or add images or a PDF by uploading, pasting, or dragging here

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Send one question at a time for optimal result
+ Shift + S to take a screenshot, Ctrl + V to paste image

Generate quizzes, flashcards, and AI Notes

Audio Recording | Text | PDF | Powerpoint
Word | Google Drive | YouTube Link | Quizlet Link

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$$\frac{6}{1-\frac{2}{1+\frac{3}{x}}}=2$$

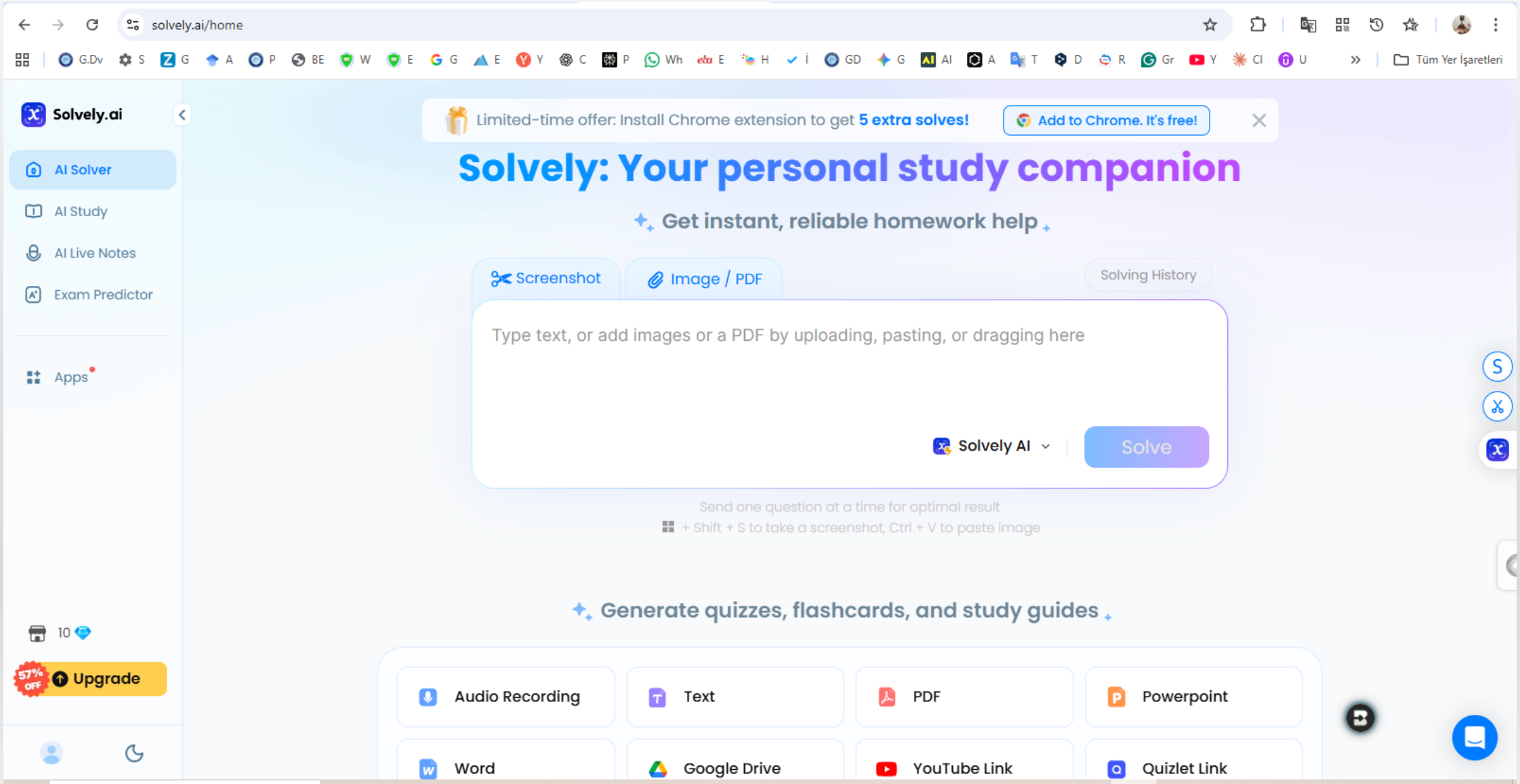
denkleminin çözümü aşağıdakilerden hangisidir?

A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $-\frac{3}{2}$ D) $-\frac{2}{3}$ E) $-\frac{1}{2}$

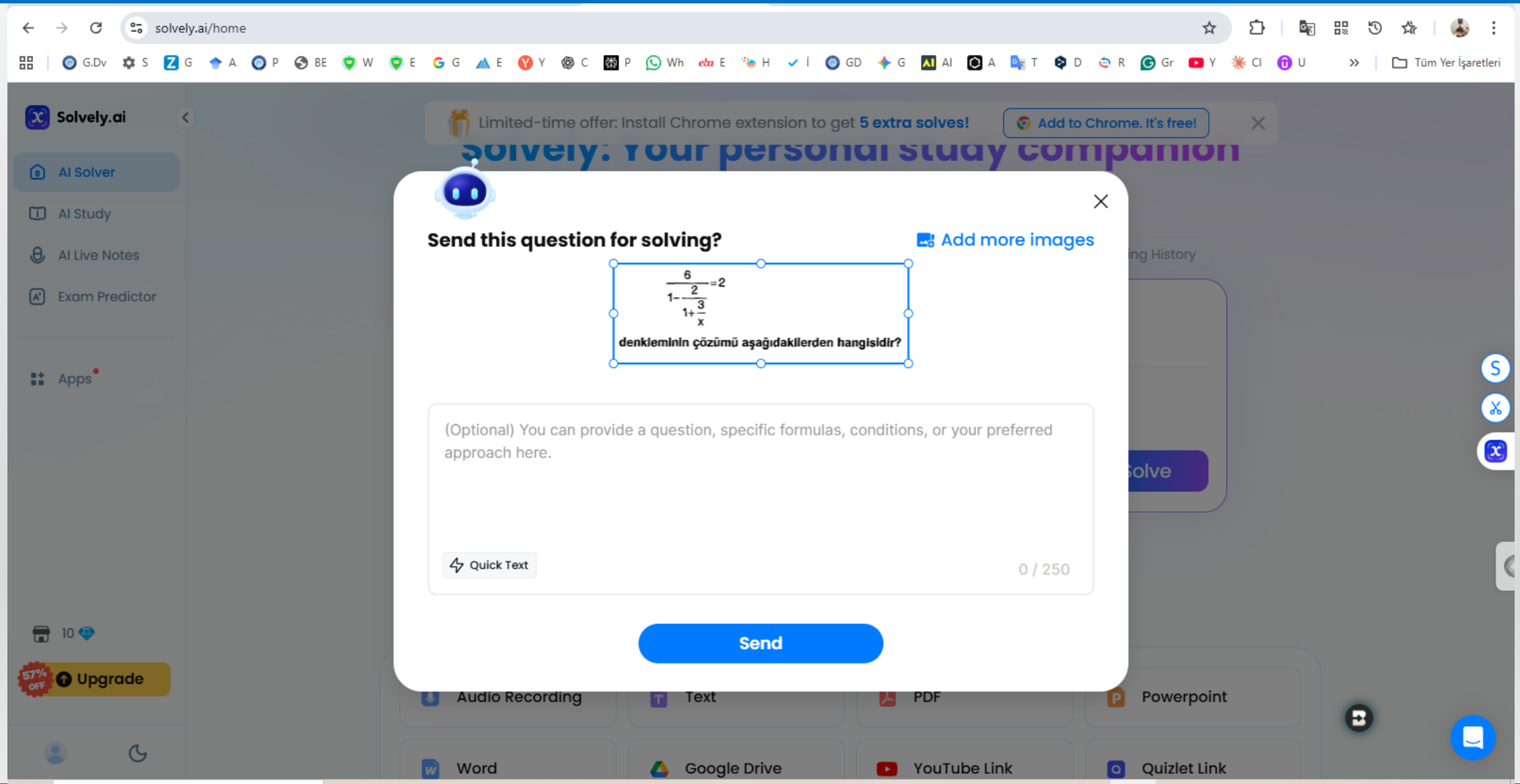








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Solvely.ai

New question | History | Upgrade

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- AI Study
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- Exam Predictor
- Apps

$$\frac{6}{1-\frac{2}{1+\frac{3}{x}}}=2$$

denkleminin çözümü aşağıdakilerden hangisidir?

Solvely AI thought for 8s

Final Answer

$x = -\frac{3}{2}$

Compare with

Will this be on your final? Let AI predict your exam now →

Explanation

Solving for x in the nested fraction equation

1 **Simplify the equation by isolating the inner fraction**

The equation simplifies as follows: $\frac{6}{1-\frac{2}{1+\frac{3}{x}}} = 2$ leads to $\frac{1}{\frac{3}{x}} = \frac{1}{3}$ after dividing both sides by 6.

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Molekül formülü $C_9H_8O_4$ olan bir maddenin 90 gramı kaç molekül içerir?

(C=12,0 g/mol, H=1,0 g/mol ve O=16,0 g/mol)

A) $3,01 \times 10^{23}$

B) $6,02 \times 10^{23}$

C) $3,01 \times 10^{24}$

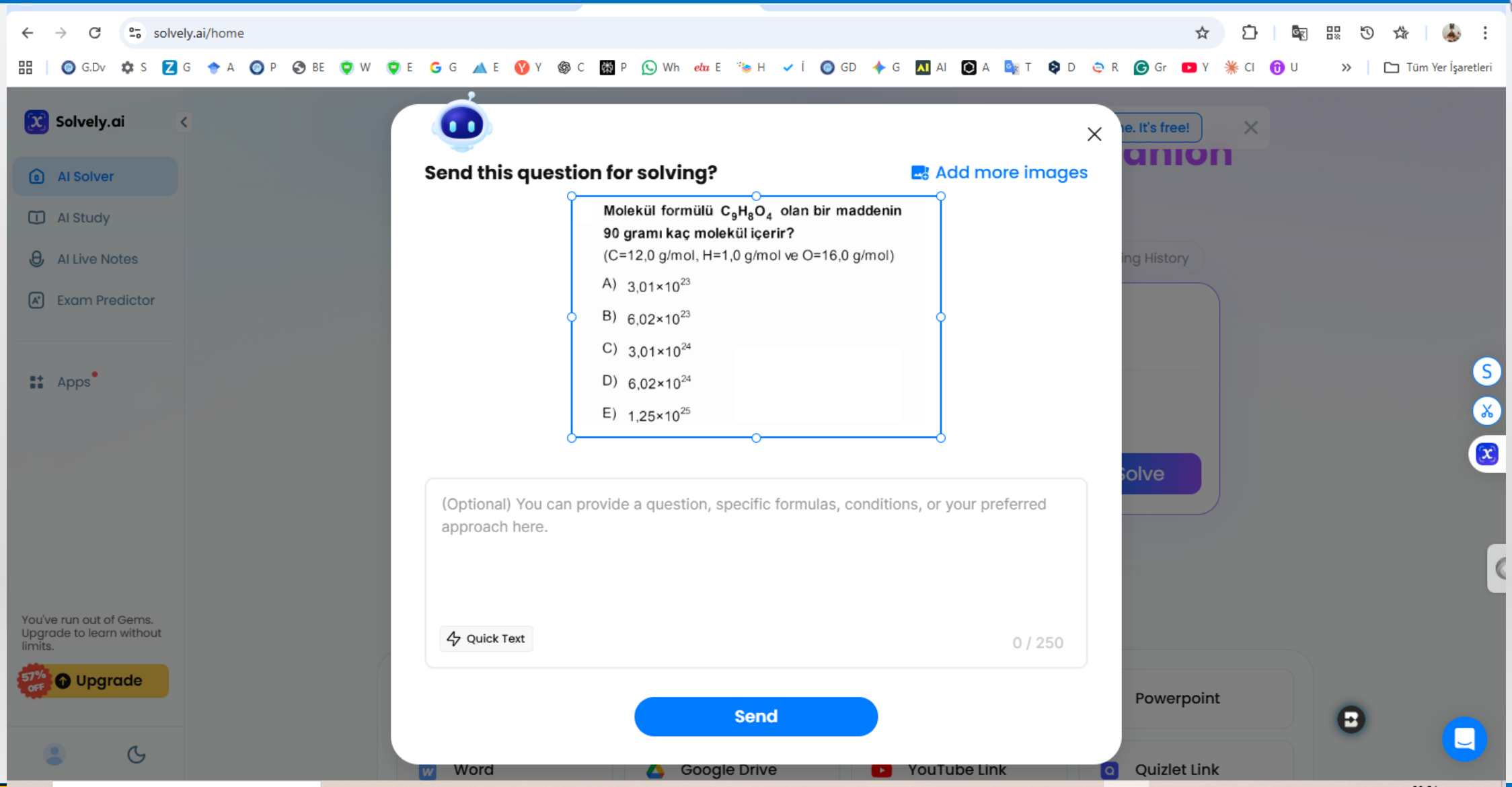
D) $6,02 \times 10^{24}$

E) $1,25 \times 10^{25}$









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Molekül formülü $C_9H_8O_4$ olan bir maddenin 90 gramı kaç molekül içerir?
(C=12,0 g/mol, H=1,0 g/mol ve O=16,0 g/mol)

A) $3,01\times10^{23}$
B) $6,02\times10^{23}$
C) $3,01\times10^{24}$
D) $6,02\times10^{24}$
E) $1,25\times10^{25}$

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Final Answer

A) 3.01×10^{23}

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To determine the number of molecules in 90 grams of a substance with the molecular formula $C_9H_8O_4$, we need to follow these steps:

1. **Calculate the molar mass of the substance.**
   The molecular formula is $C_9H_8O_4$.
   The atomic masses are given as:
   Carbon (C) = 12.0 g/mol
   Hydrogen (H) = 1.0 g/mol
   Oxygen (O) = 16.0 g/mol
   Molar mass = (9 * Atomic mass of C) + (8 * Atomic mass of H) + (4 * Atomic mass of O)
2. **Calculate the number of moles in 90 grams of the substance.**
   Number of moles = Given mass / Molar mass
3. **Calculate the number of molecules.**
   Number of molecules = Number of moles * Avogadro's number
   Avogadro's number is approximately 6.022×10^{23} molecules/mol.

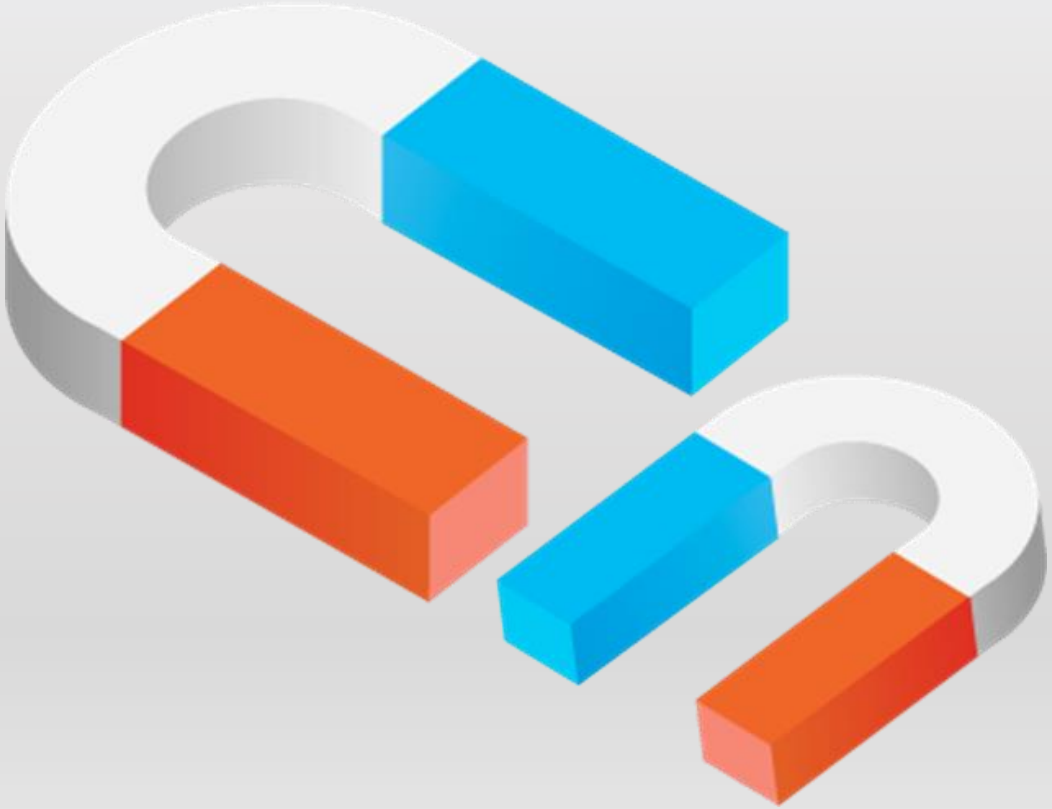
Let's perform the calculations.

Step 1: Calculate the molar mass of $C_9H_8O_4$.
The molar mass of $C_9H_8O_4$ is 180.0 g/mol.

Step 2: Calculate the number of moles in 90 grams of the substance.
Given mass = 90 g
Molar mass = 180.0 g/mol
The number of moles is 0.5 mol.

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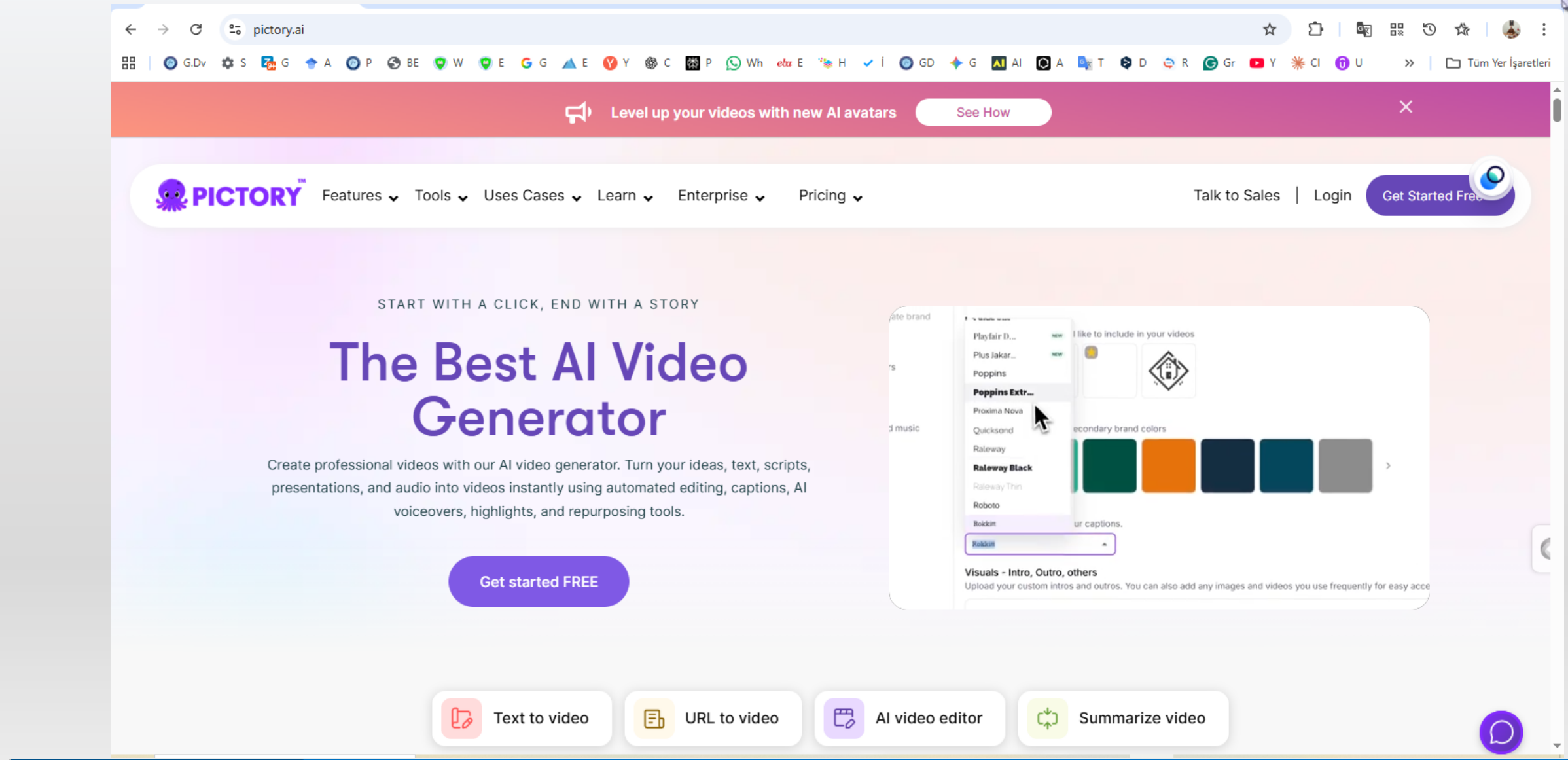
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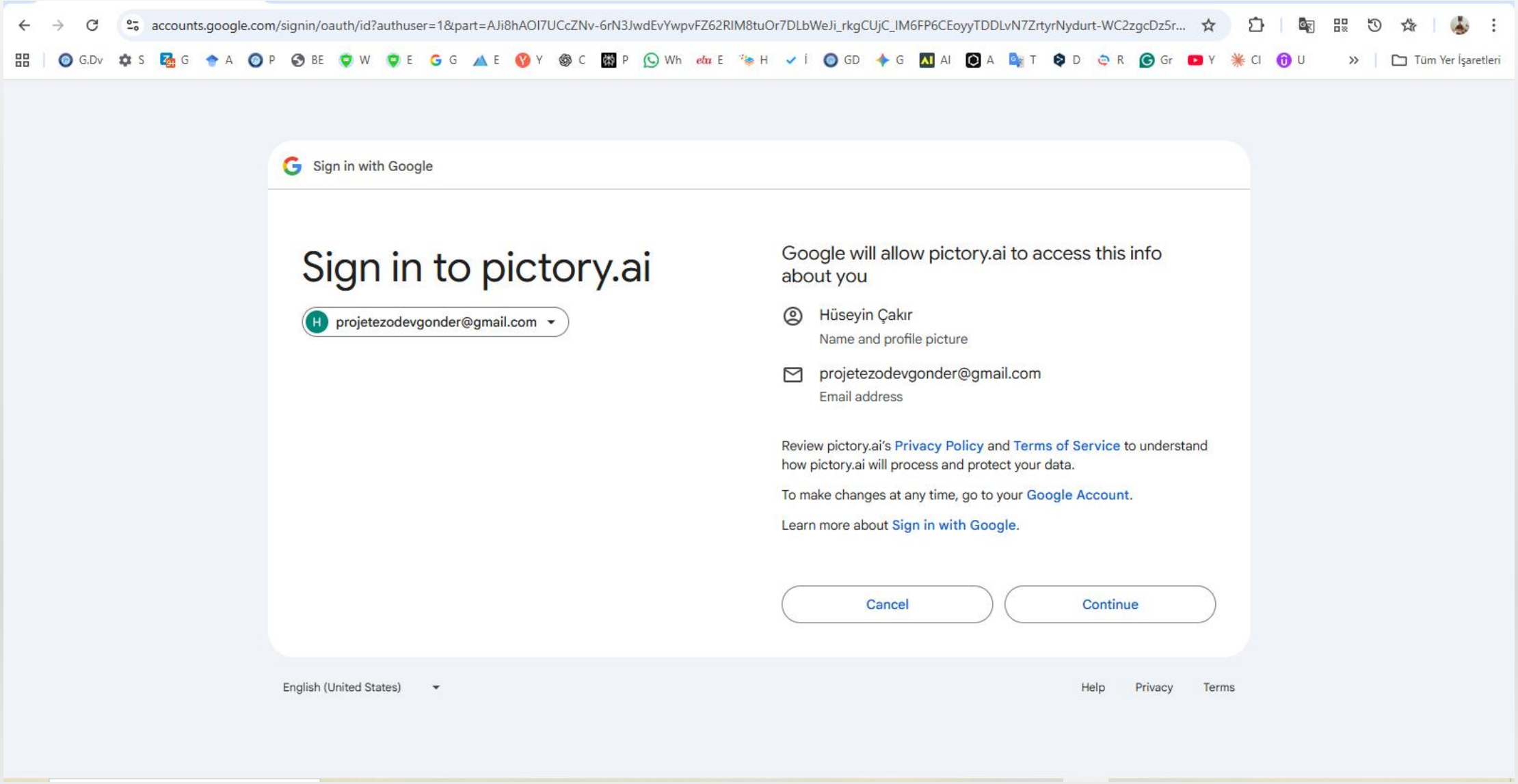
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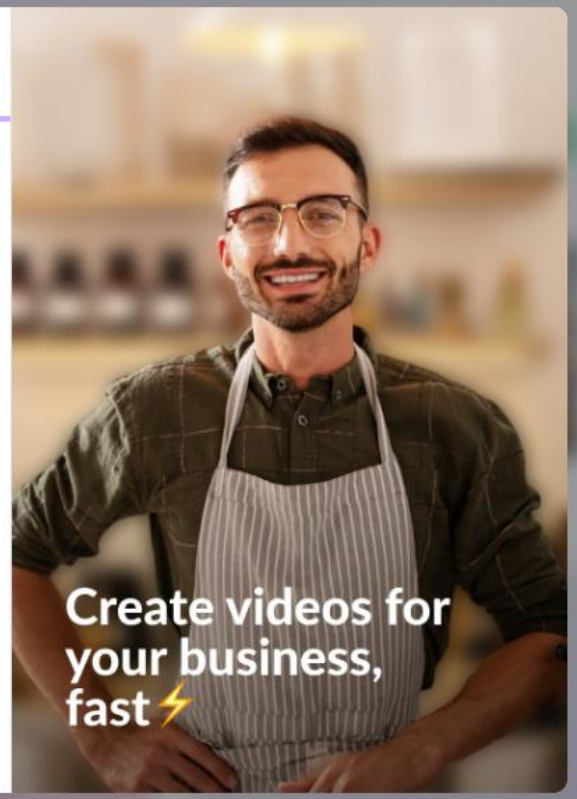

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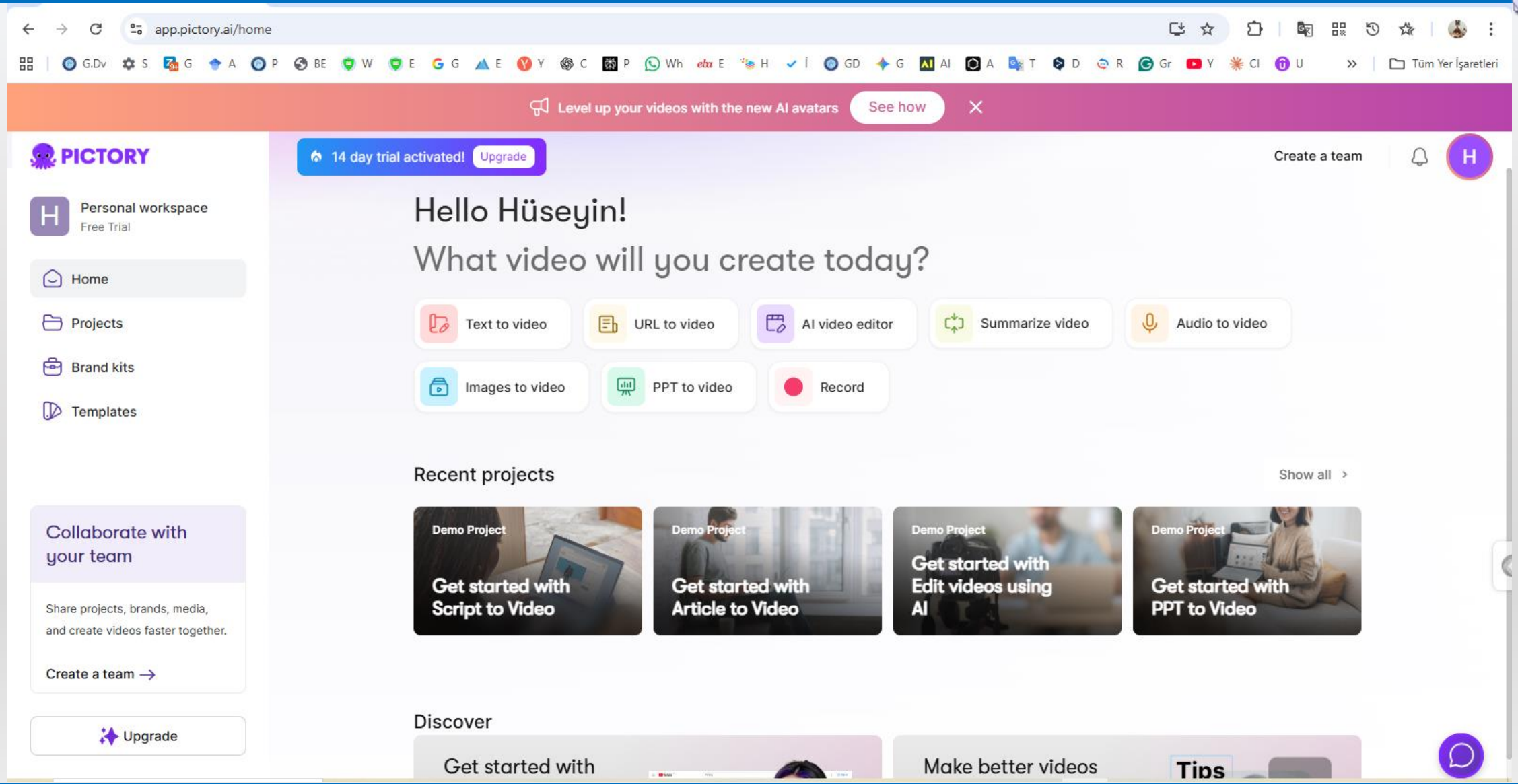
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Ask AI | Optimize | Rephrase | Shorten | Lengthen | Change tone

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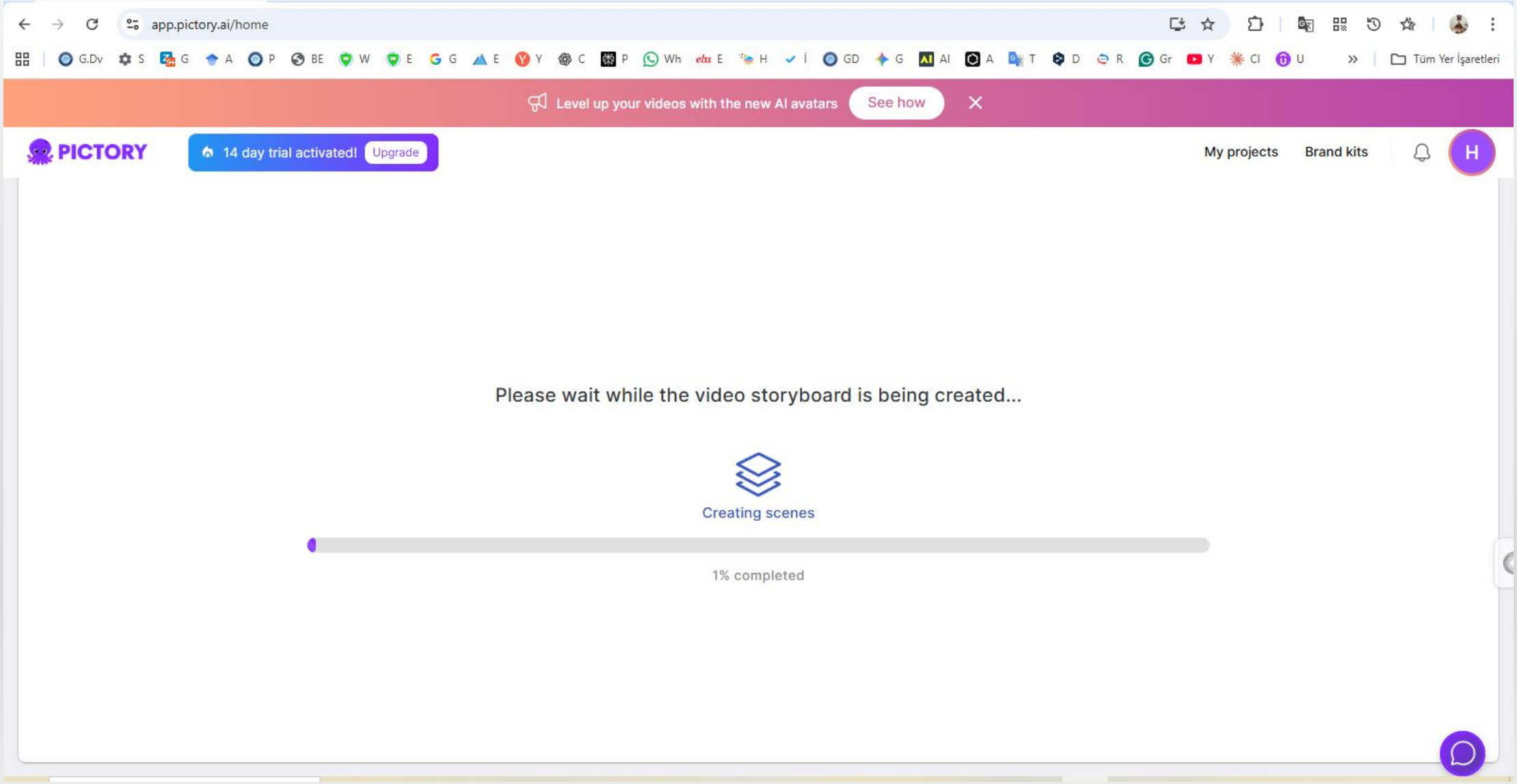
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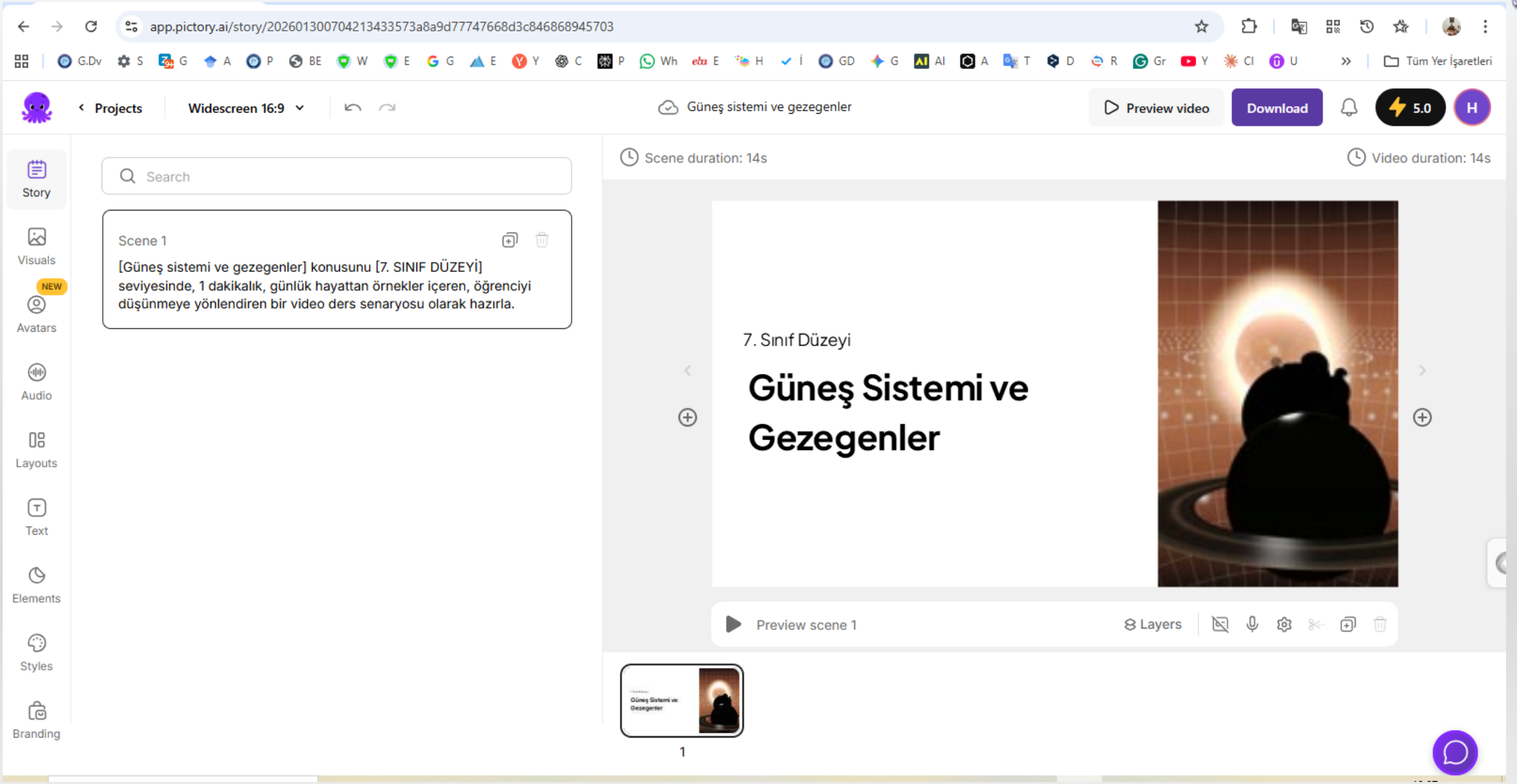
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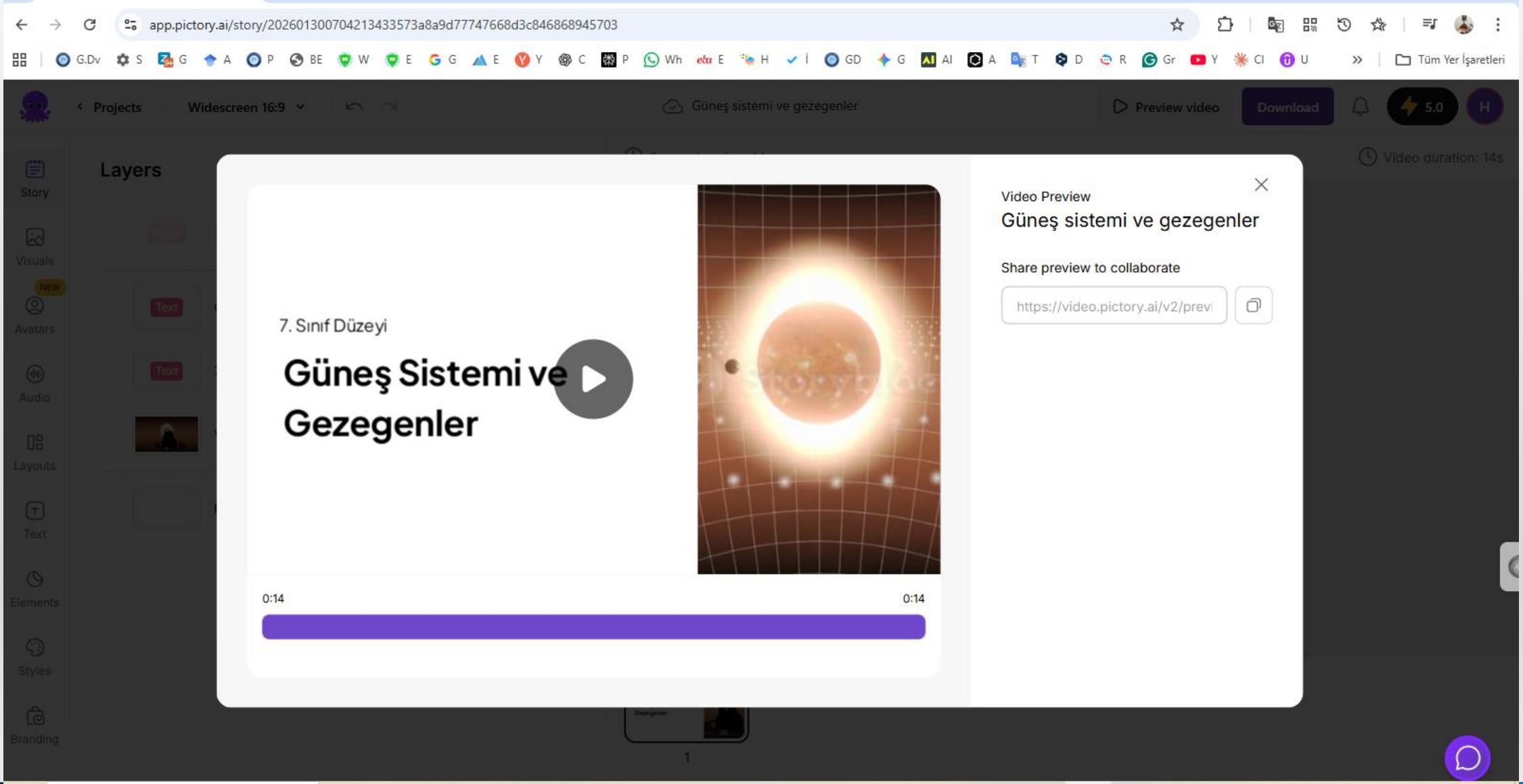
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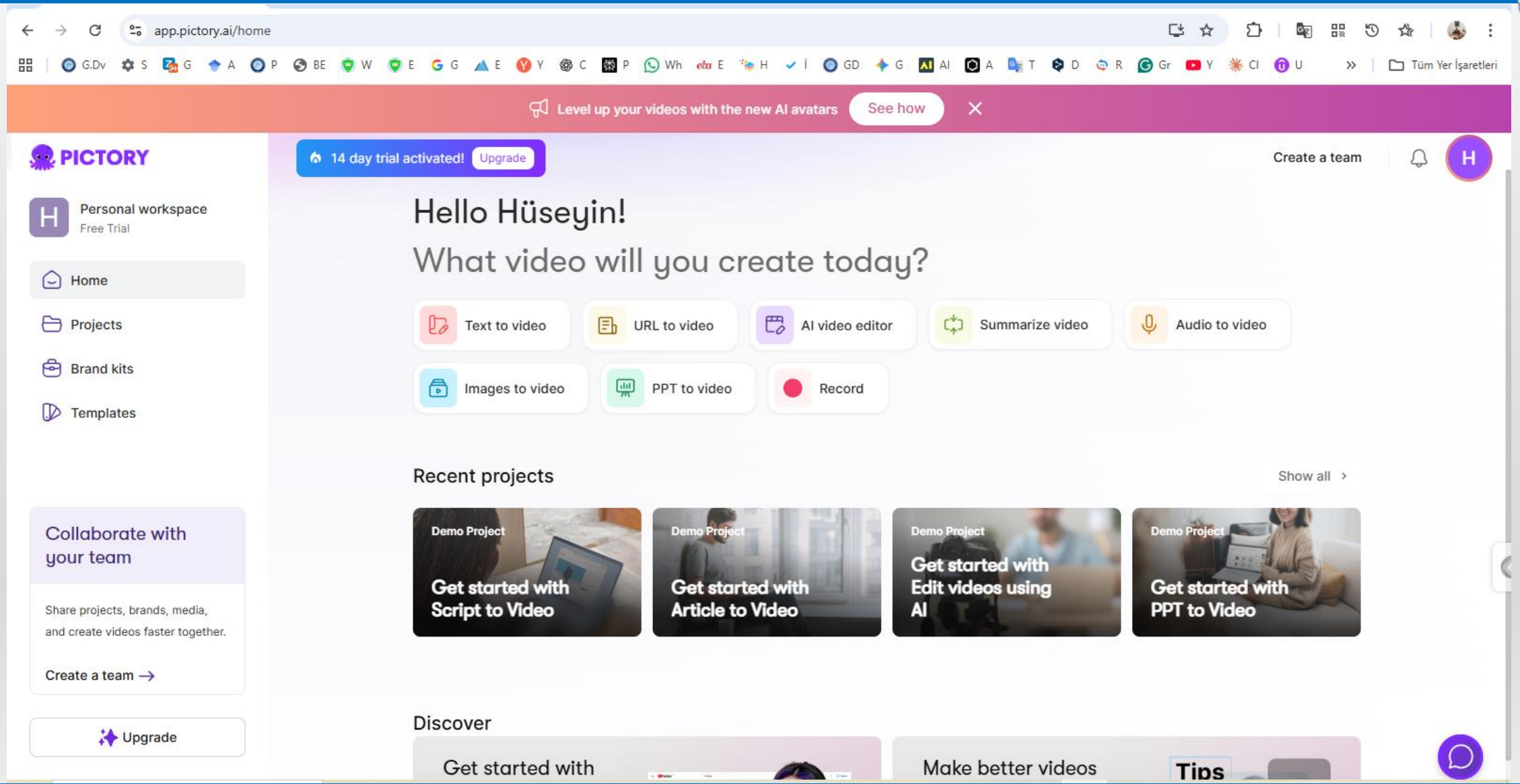
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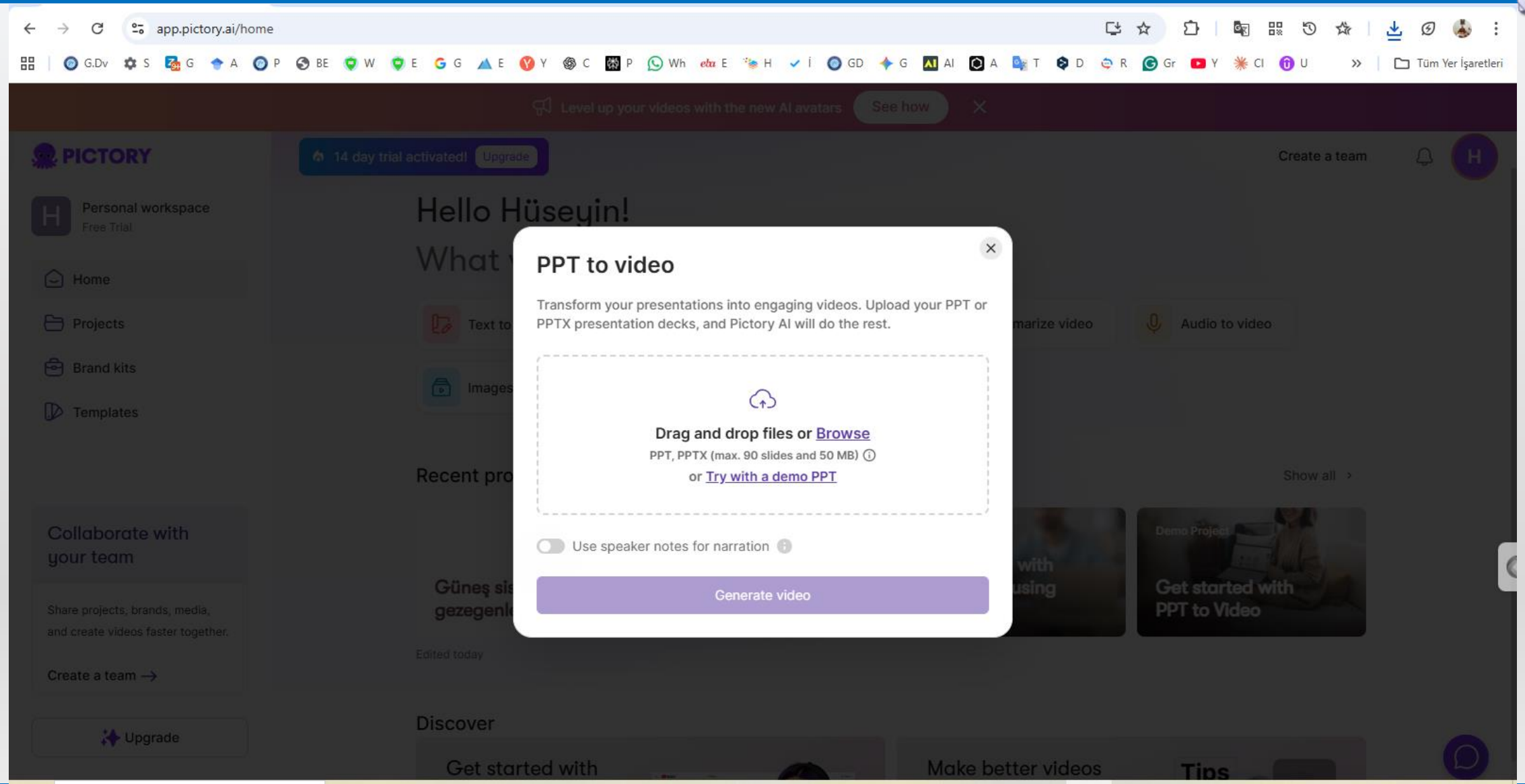
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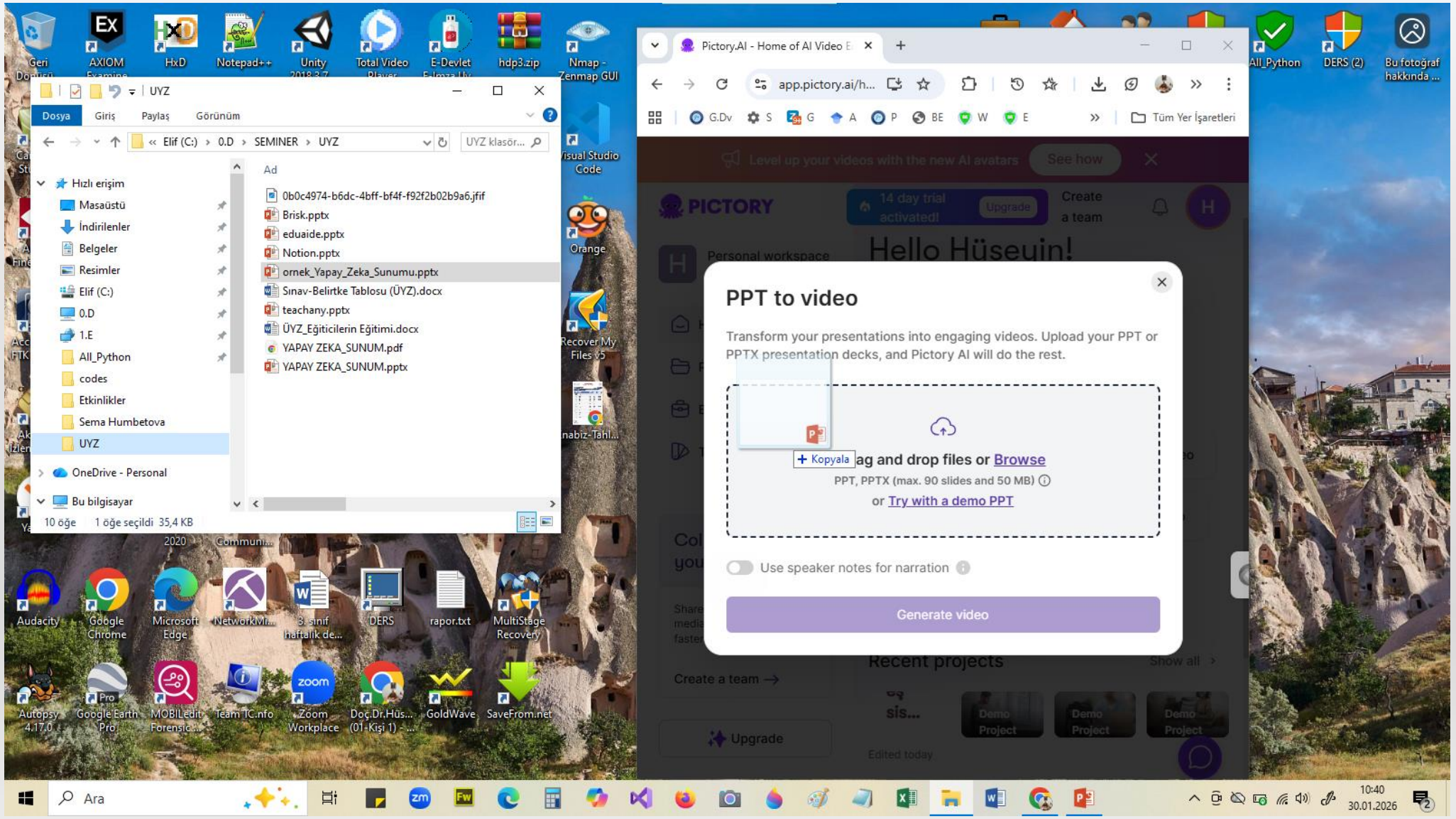
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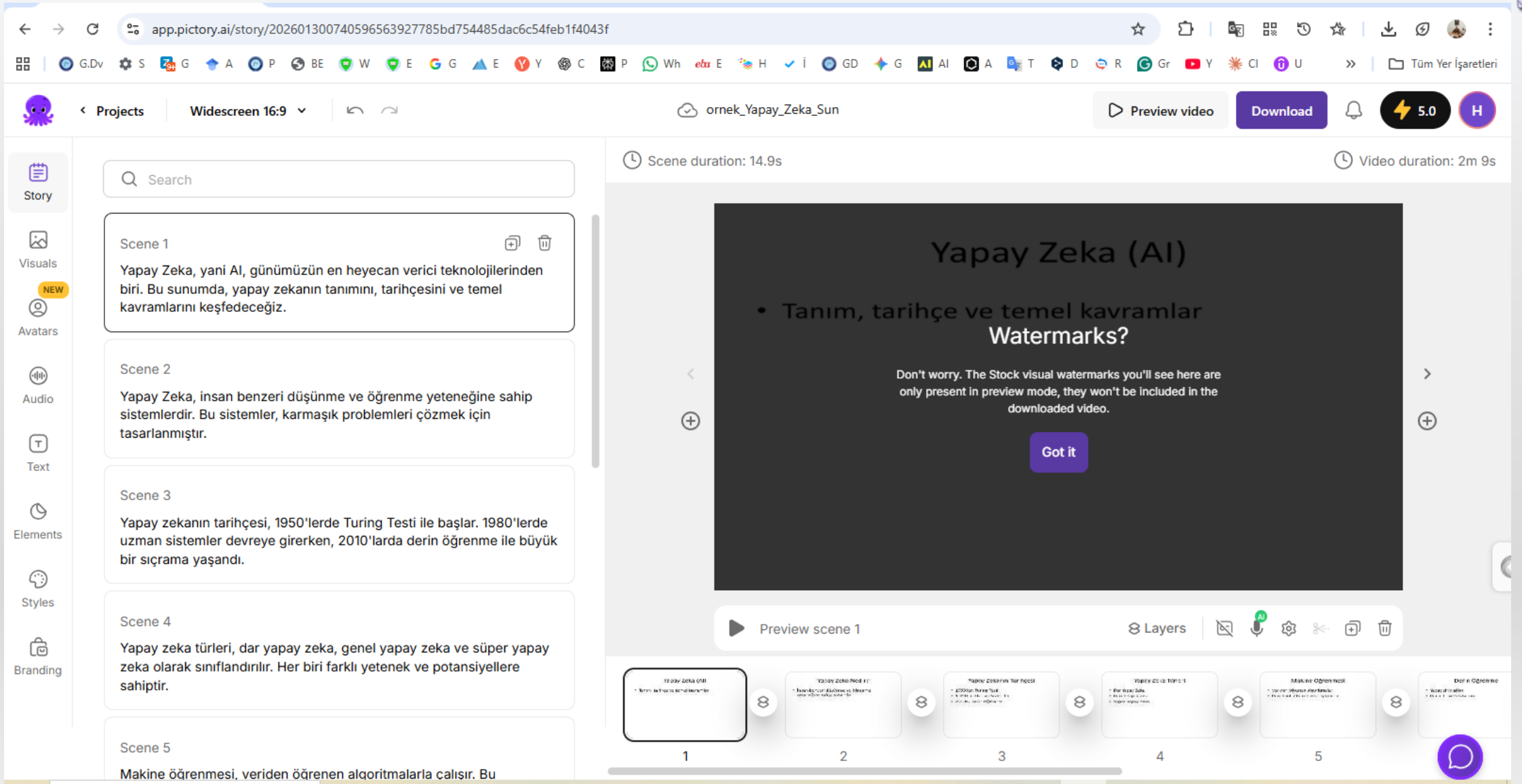
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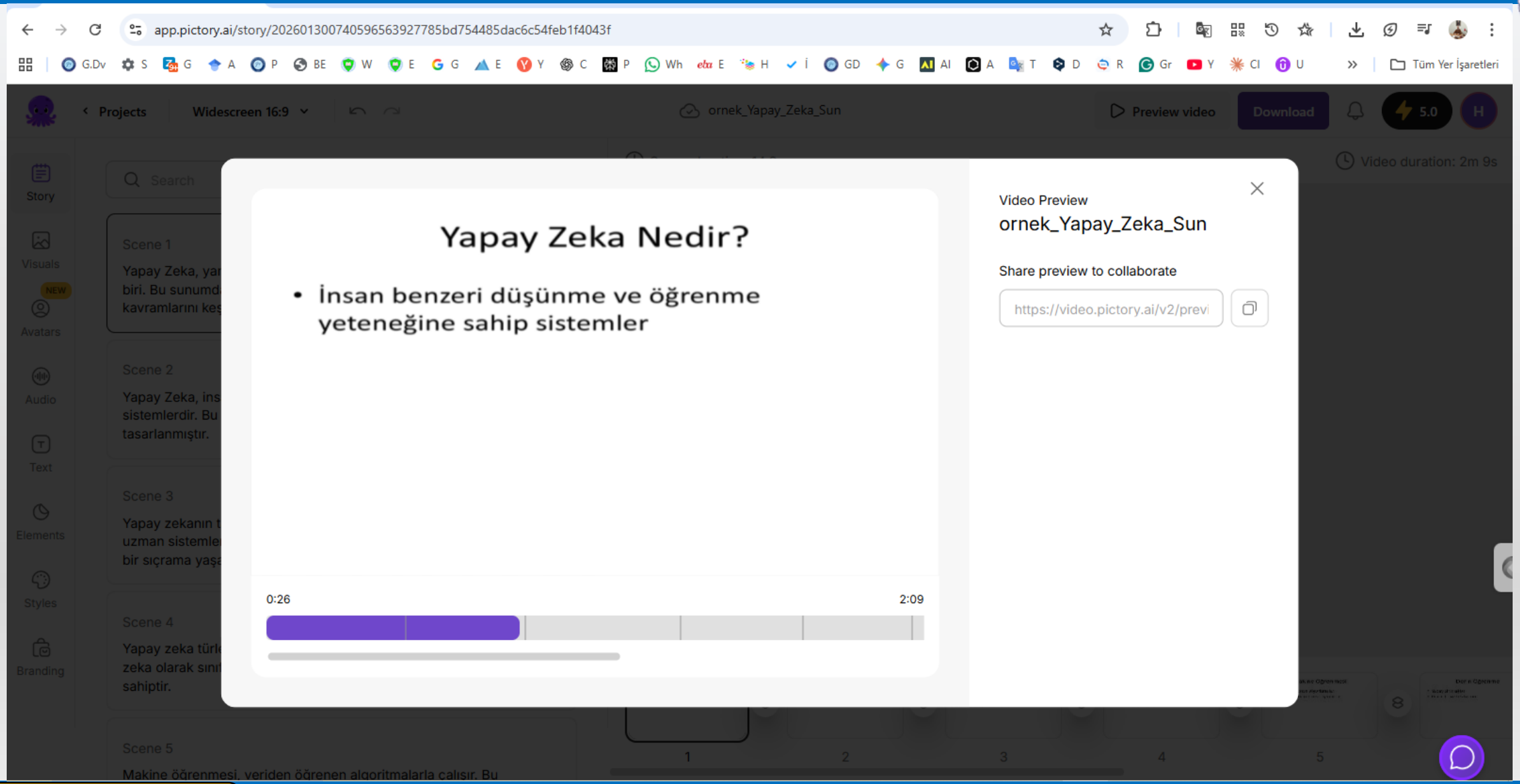
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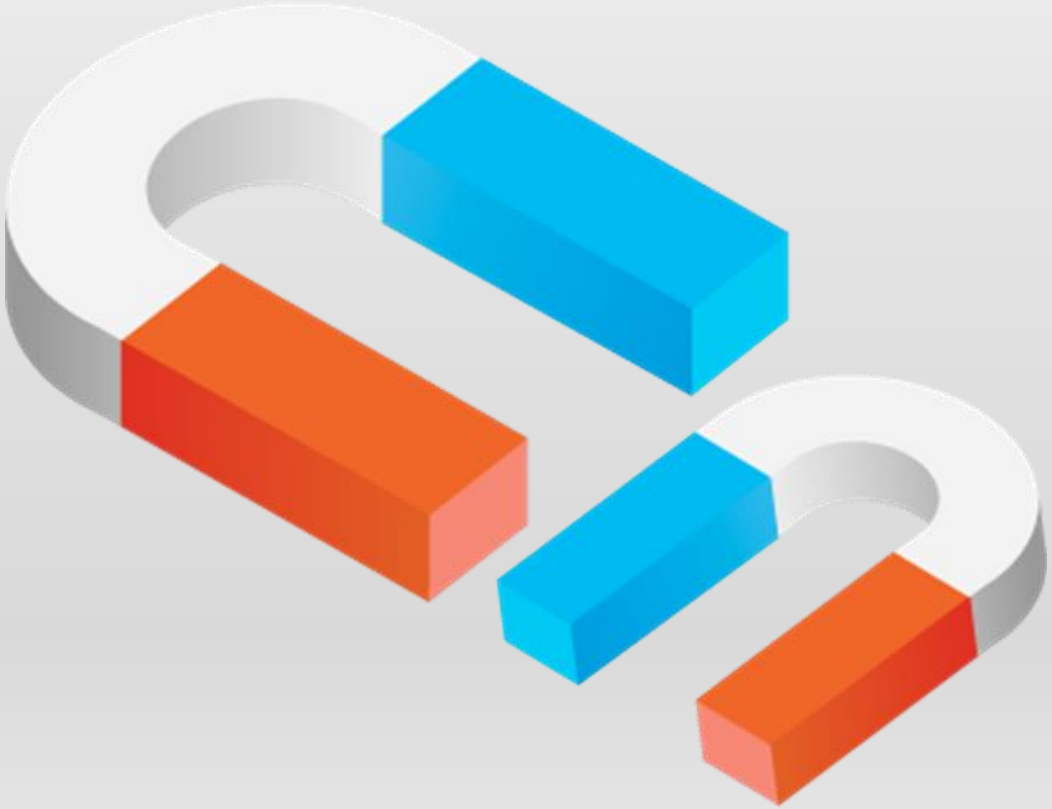
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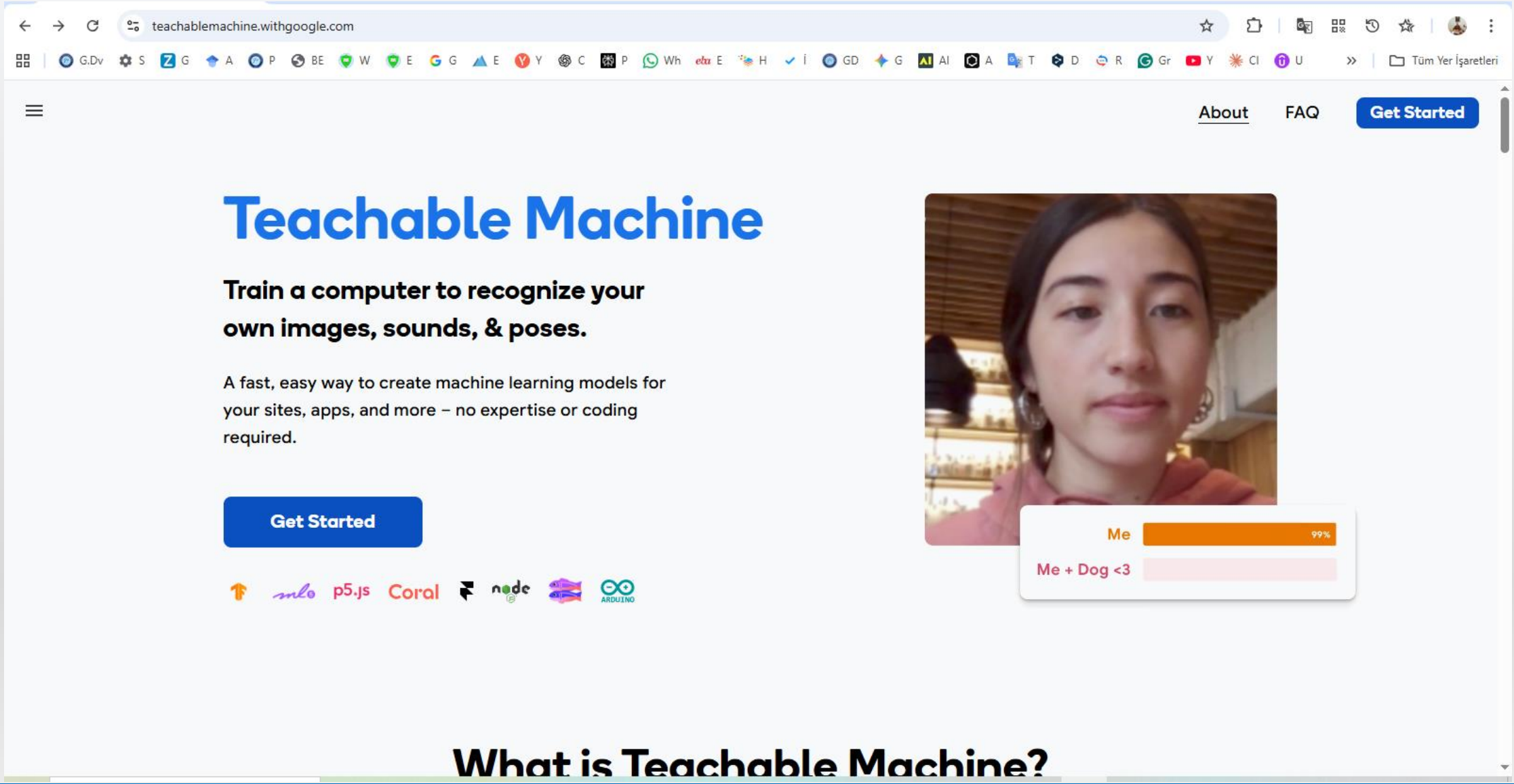


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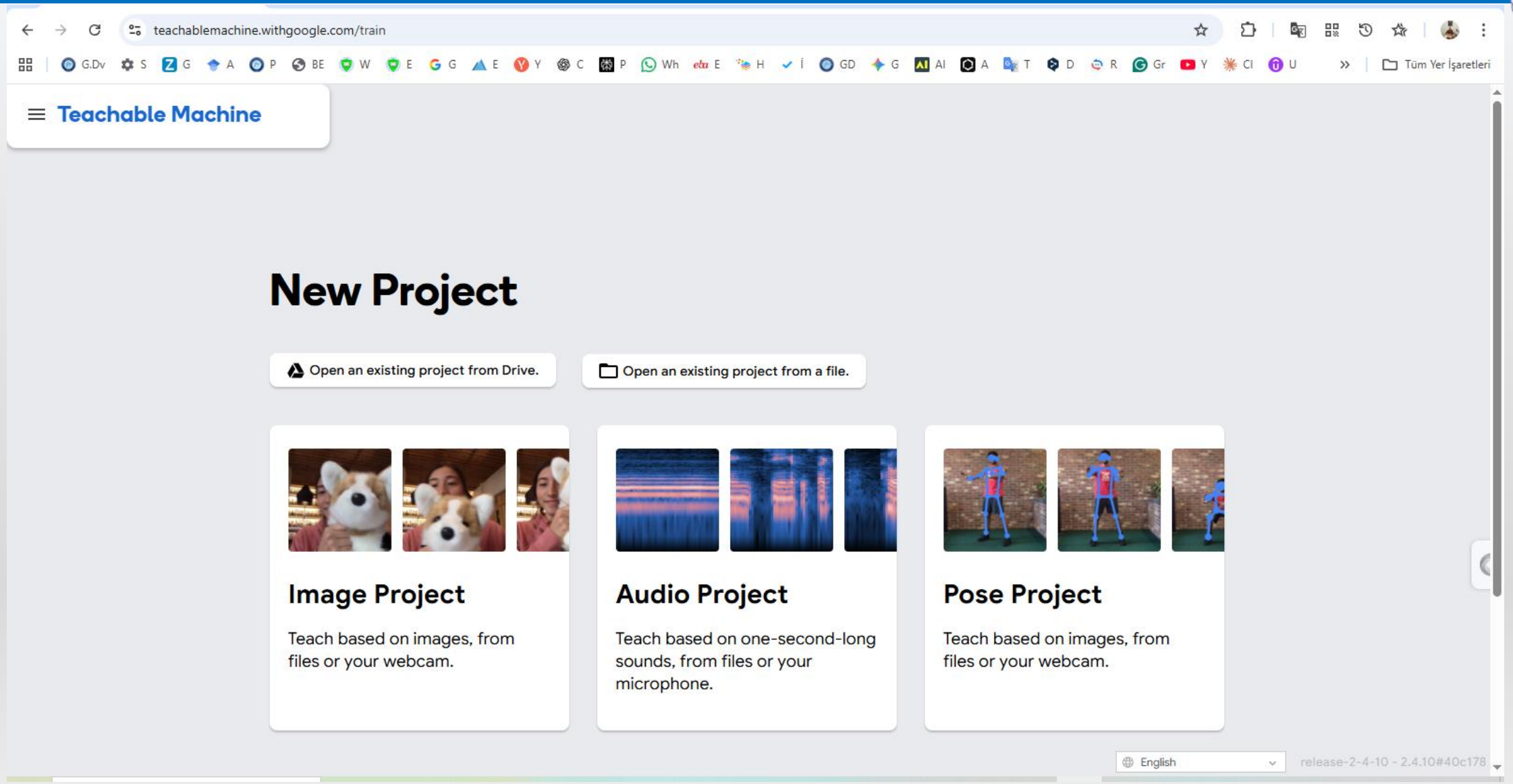
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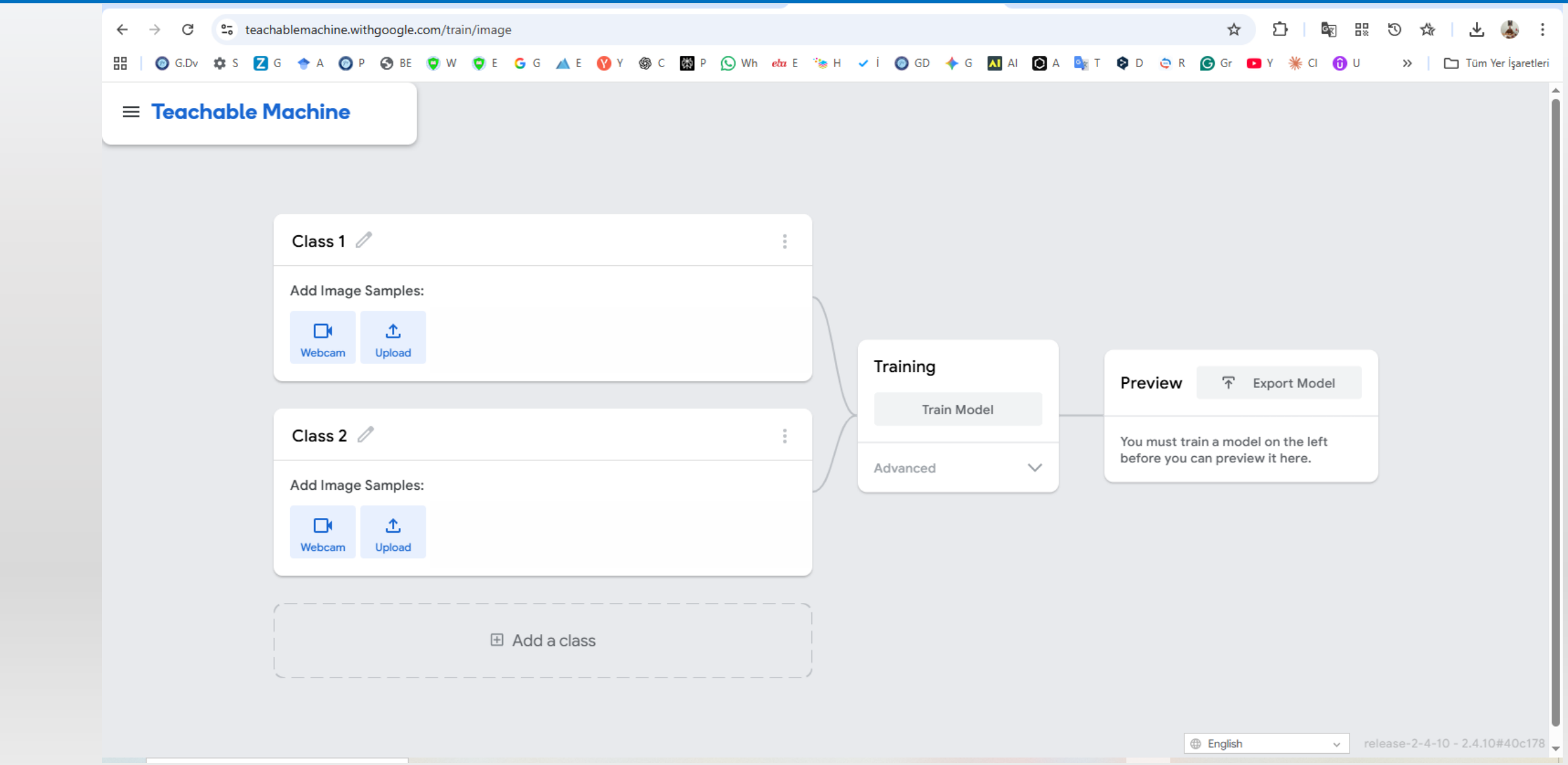
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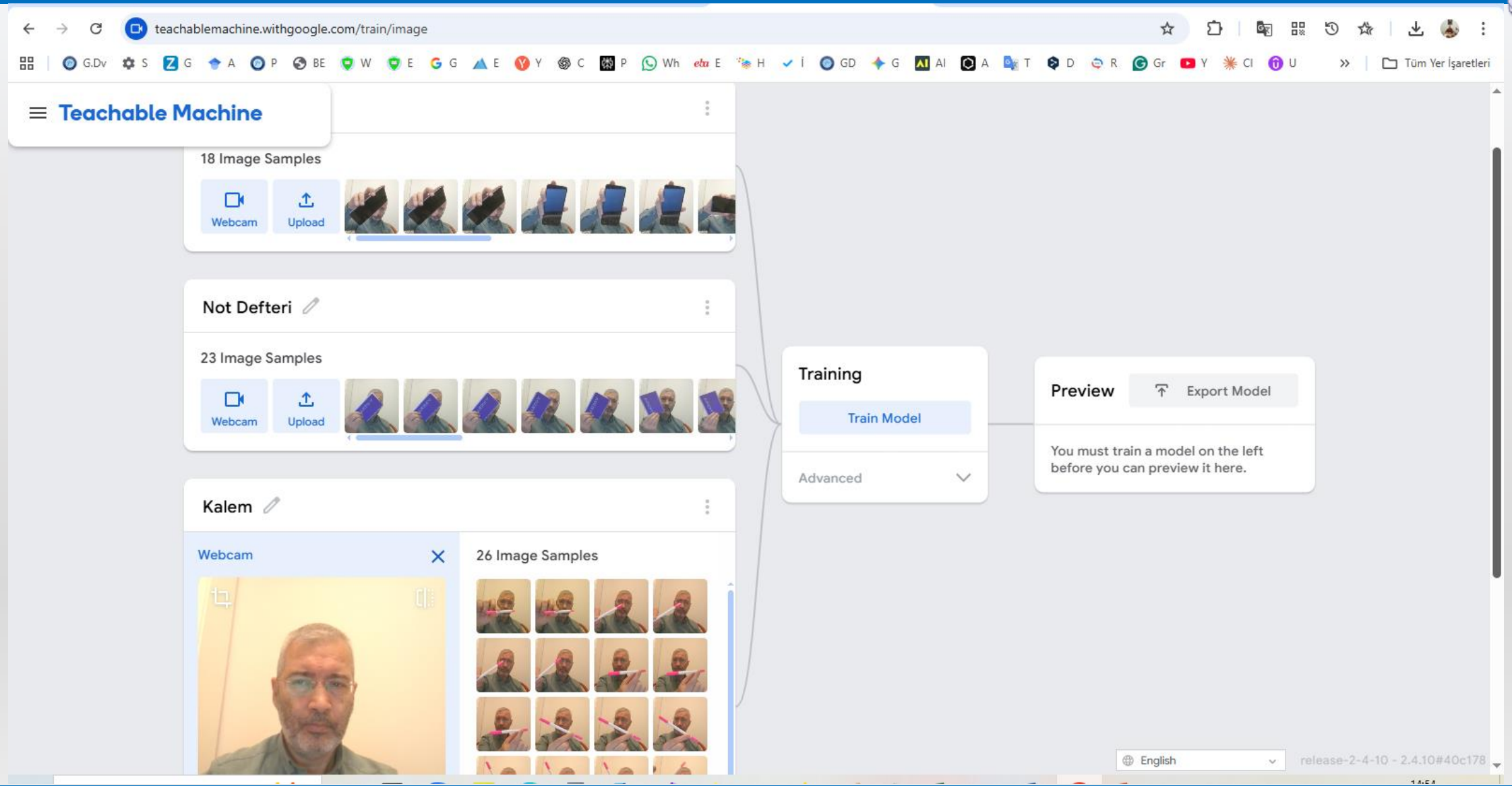
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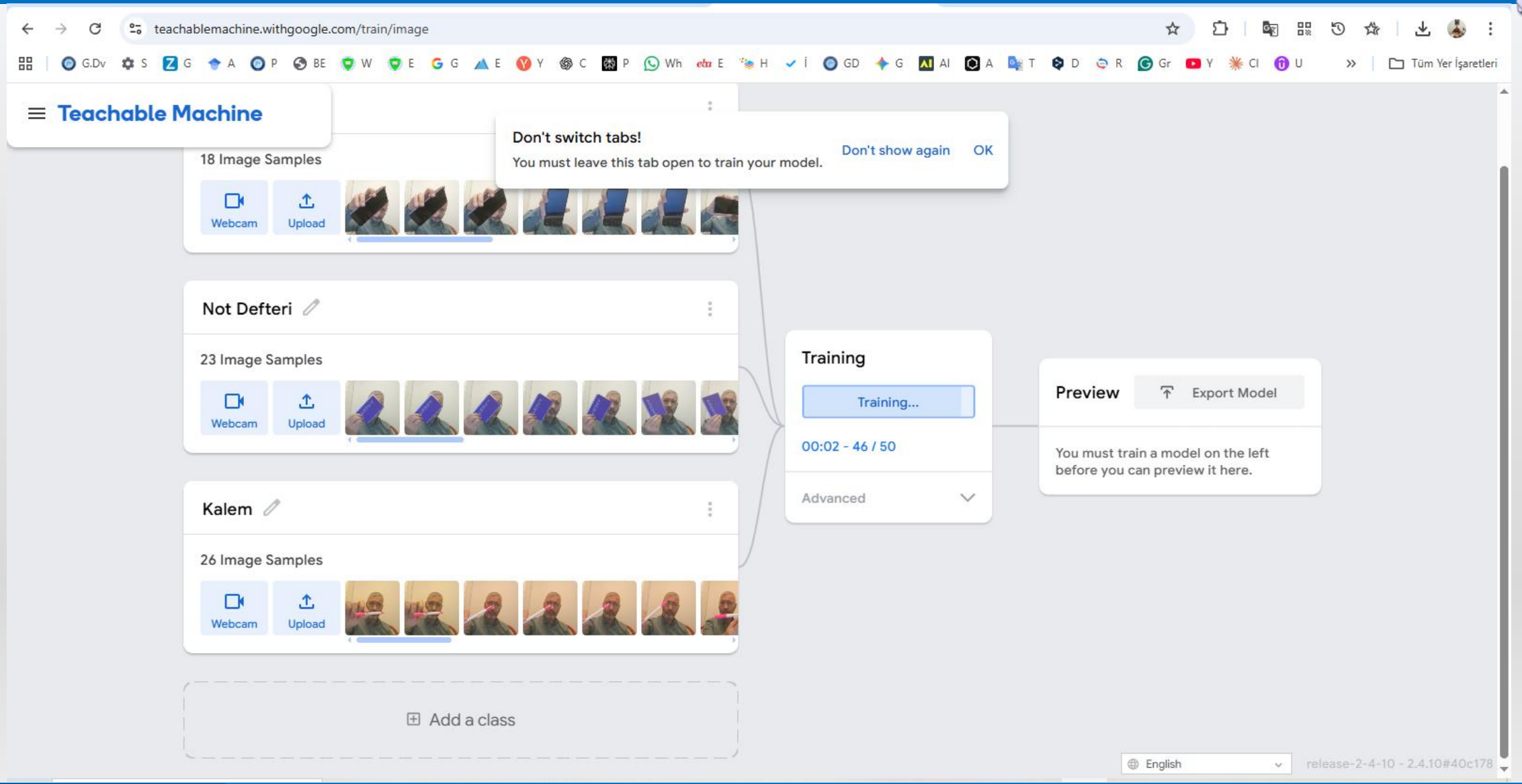
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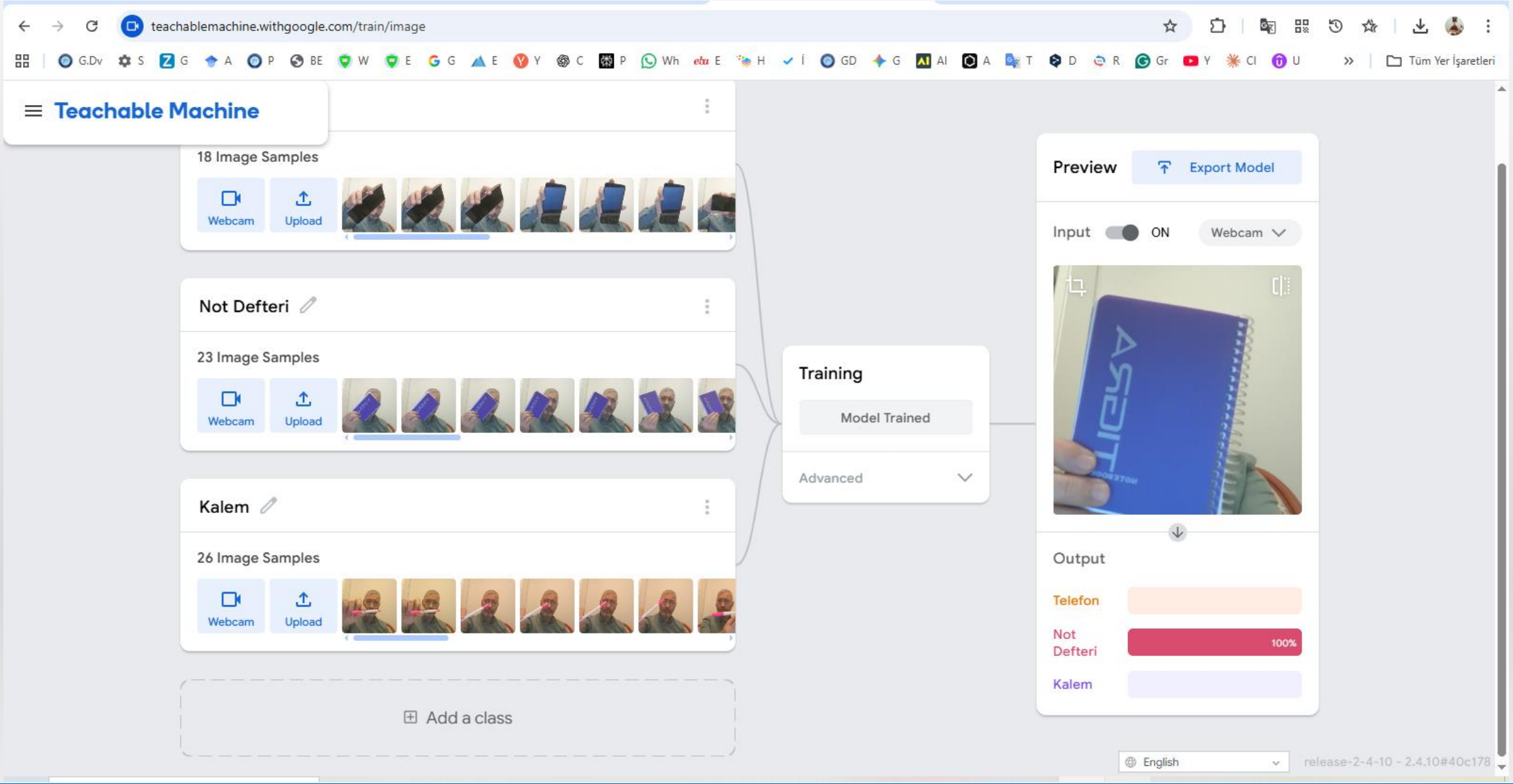
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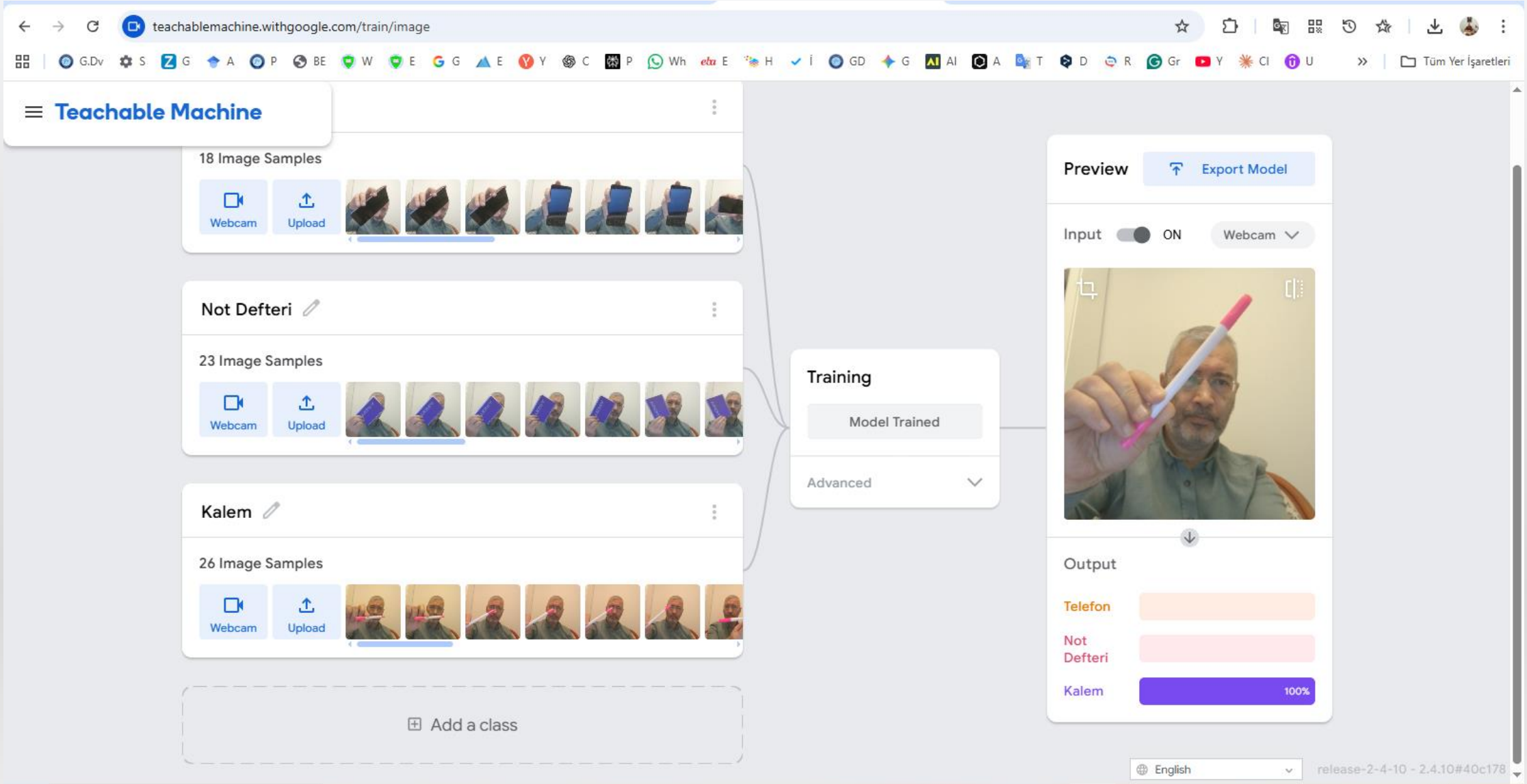
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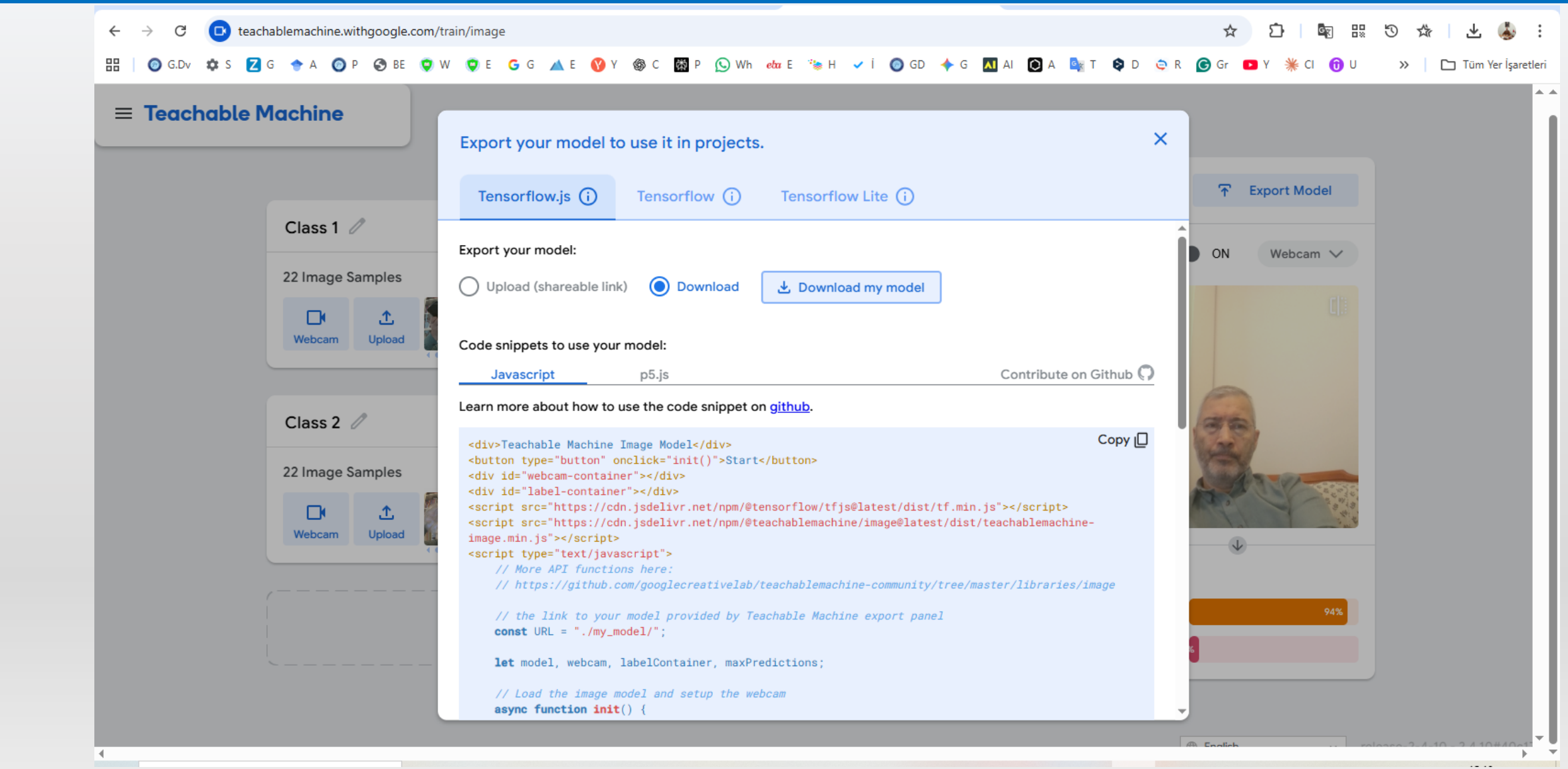
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<script type="text/javascript">
    // More API functions here:
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Export Model

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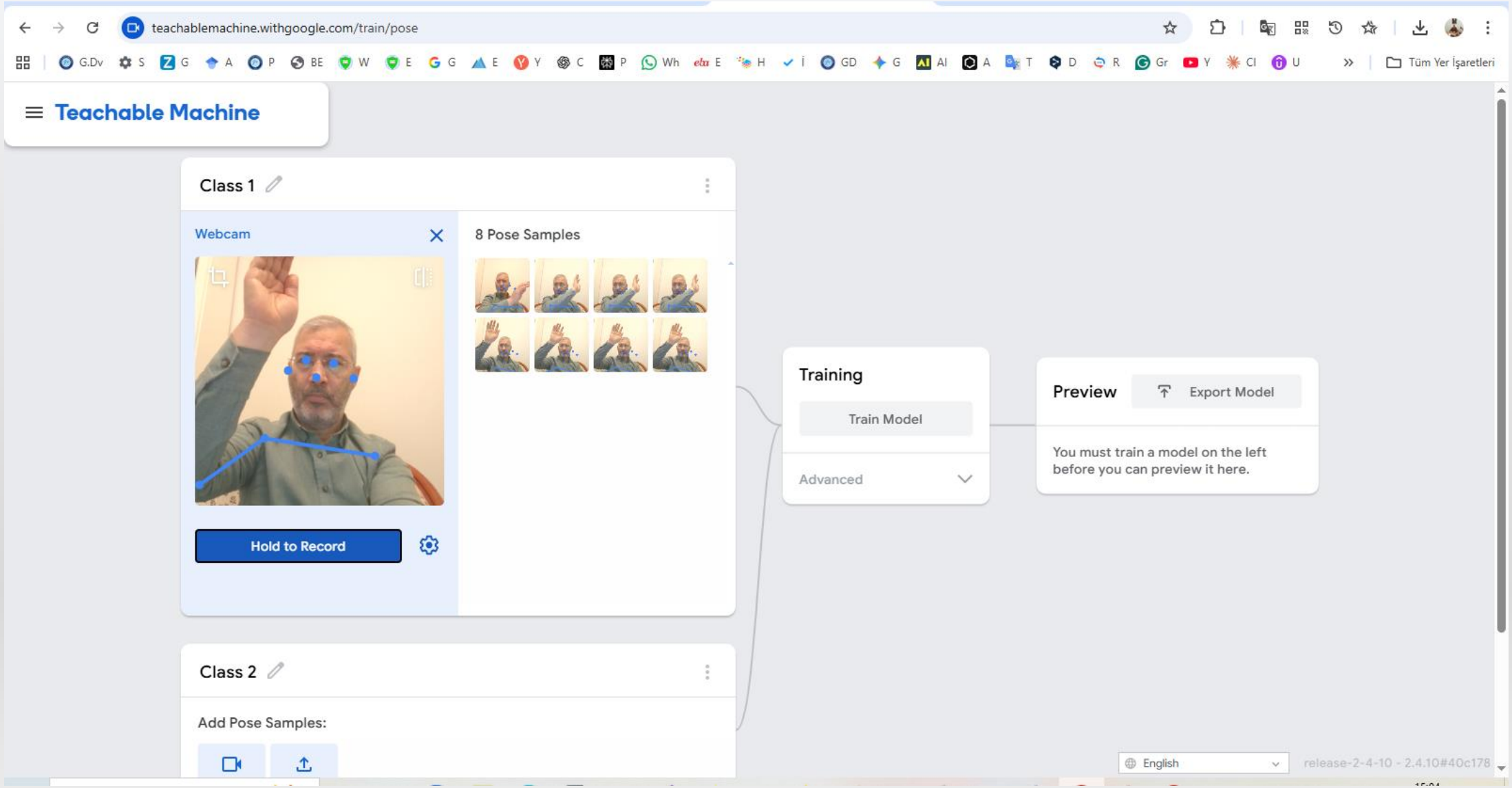
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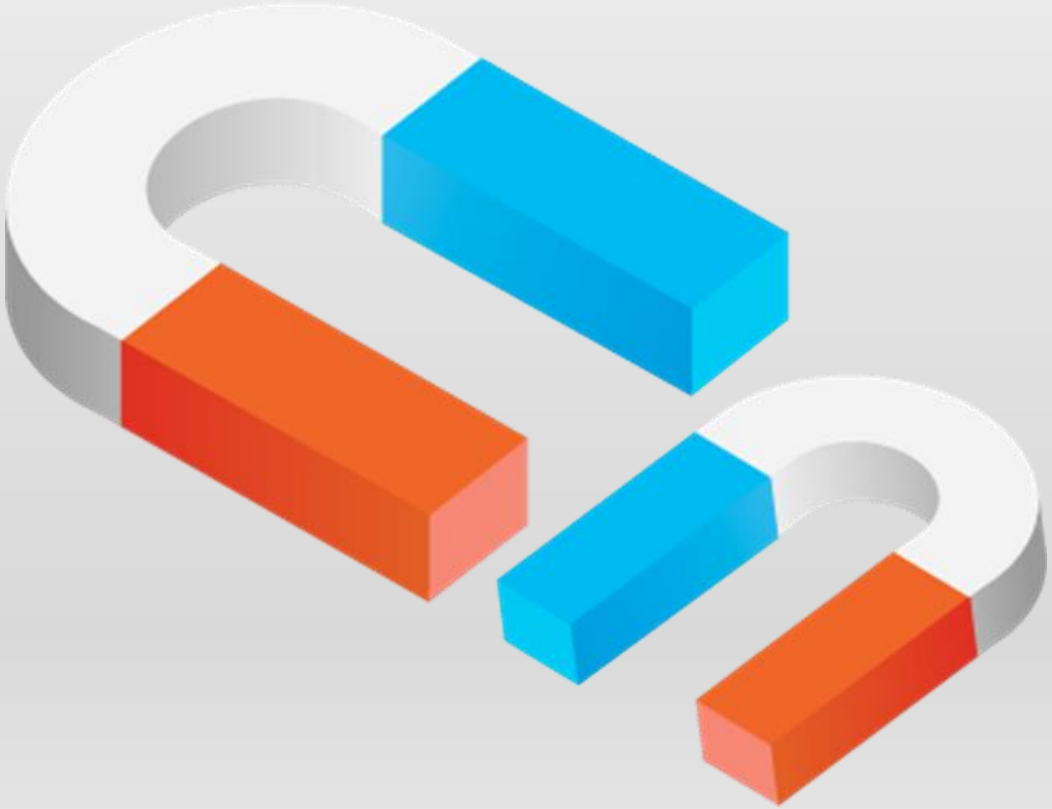


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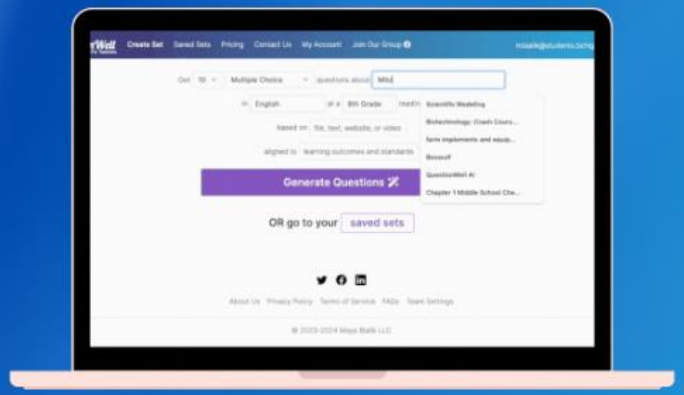
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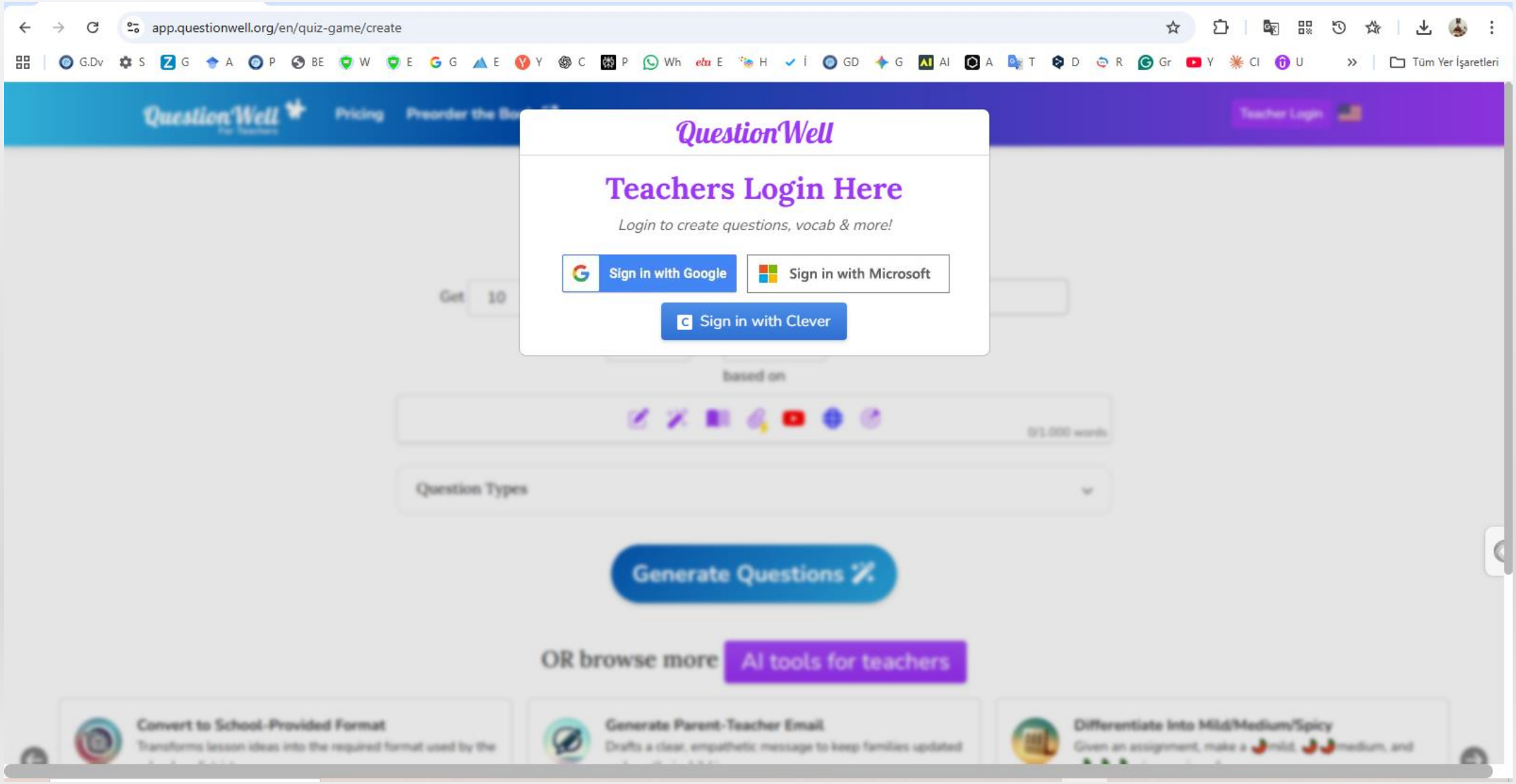
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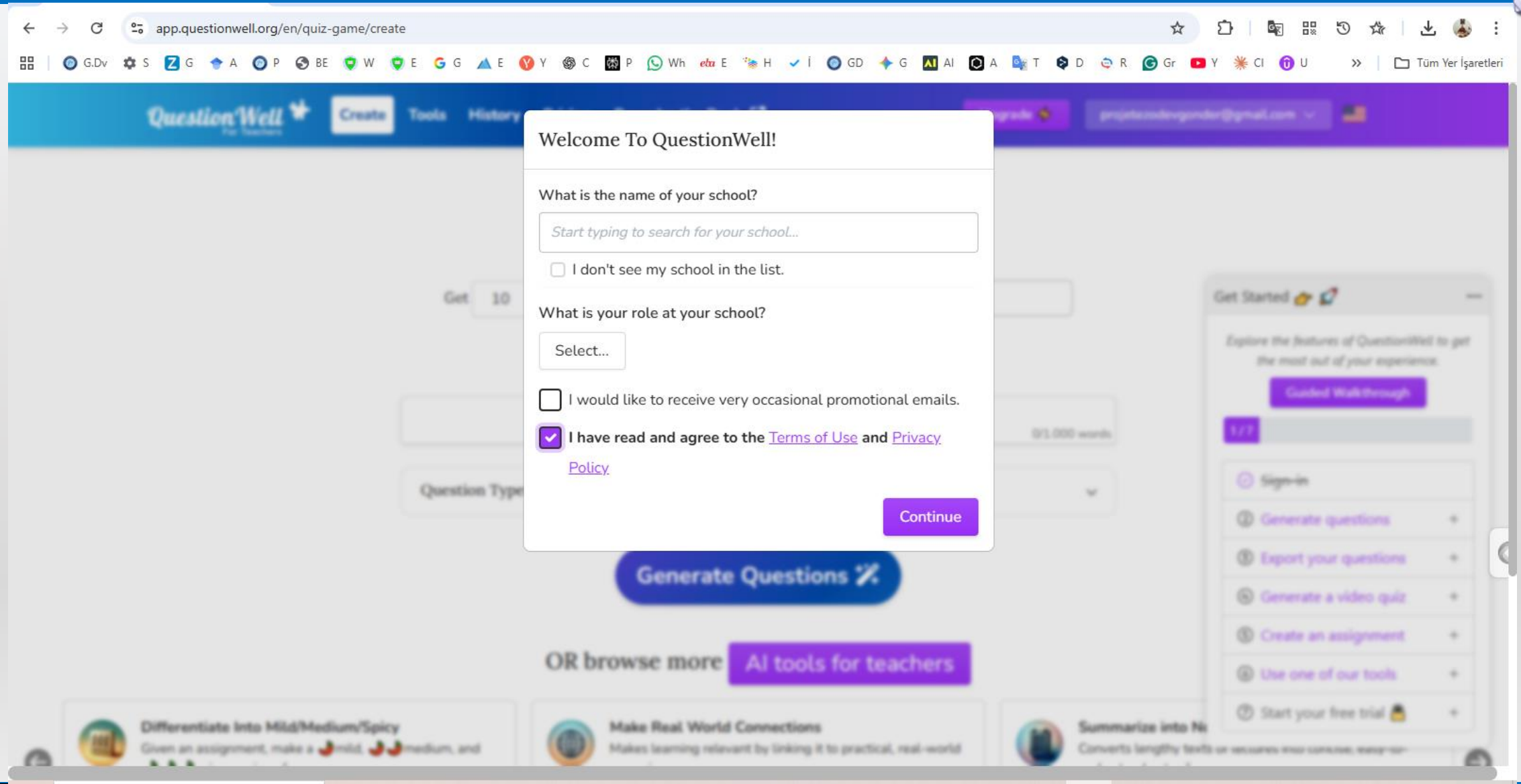
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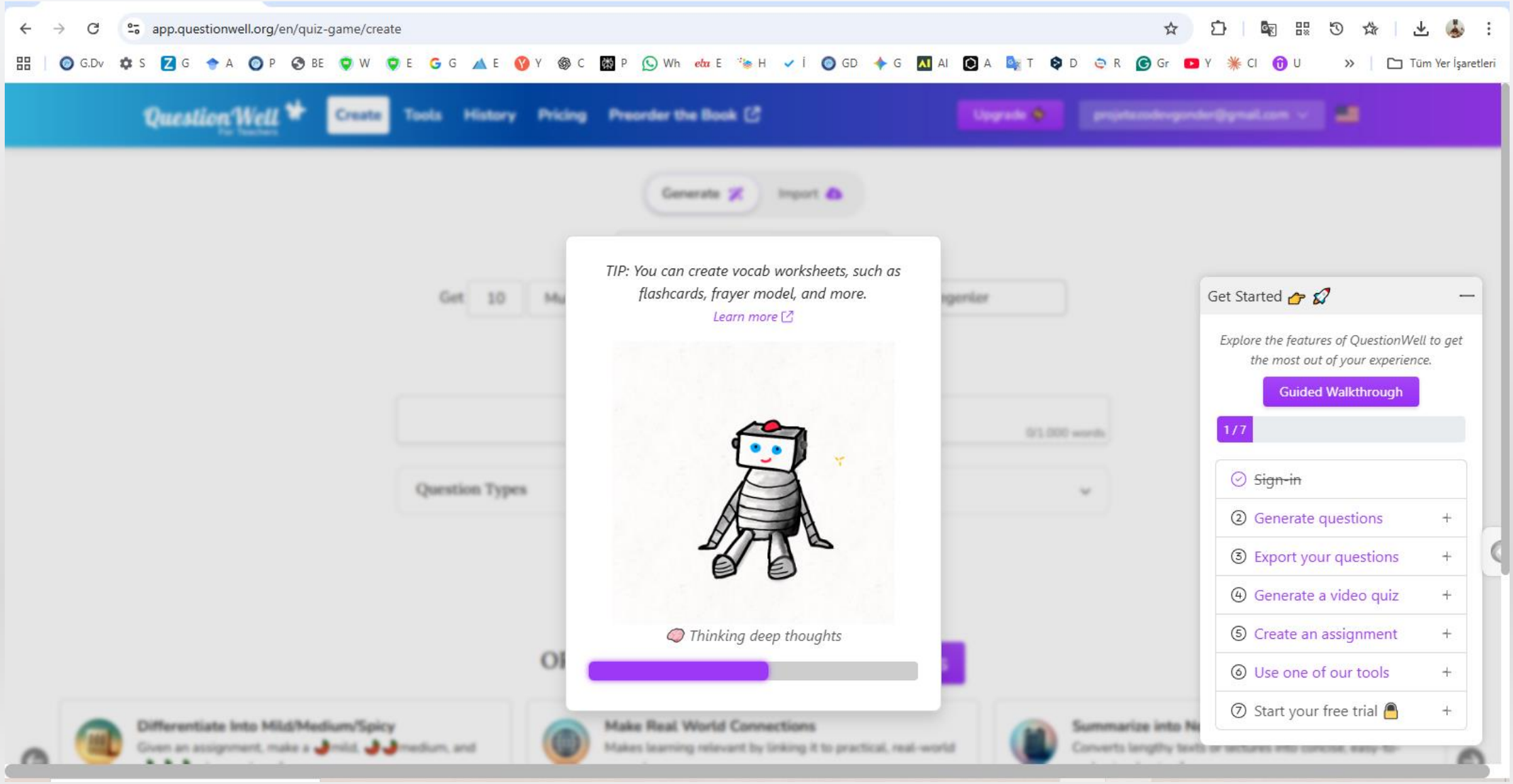
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Güneş sistemi ve gezegenler

Comprehension | Discussion | Vocabulary

Search student reading | Actions

Güneş Sistemi ve Gezegenler

Güneş Sistemi, Güneş'in etrafında dönen gezegenler, uydular, asteroitler, kuyruklu yıldızlar ve diğer cisimlerden oluşan bir yapıdır. Güneş, bu sistemin merkezinde yer alır ve tüm gezegenlerin hareketlerini etkileyen dev bir yıldızdır. Güneş'in çekim gücü, gezegenlerin yörüngelerinde kalmasını sağlar. Güneş Sistemi, Samanyolu Galaksisi'nin bir parçasıdır ve yaklaşık 4.6 milyar yıl önce oluşmuştur.

Güneş

Güneş, Güneş Sistemi'ndeki en büyük cisimdir. Çekirdek bölgesinde, hidrojen atomları helyuma dönüşerek büyük miktarda enerji üretir. Bu enerji, Güneş'in yüzeyine ulaşarak ısı ve ışık olarak uzaya yayılır. Güneş, yaklaşık 1.4 milyon kilometre çapında olup, dünya için en önemli enerji kaynağıdır.

Gezegenler

Güneş Sistemi'nde sekiz ana gezegen bulunmaktadır. Bu gezegenler, büyüklükleri, yapıları ve Güneş'e olan uzaklıkları bakımından farklılık gösterir. Gezegenler, iç gezegenler (kayaç yapısına sahip) ve dış gezegenler (gaz yapısına sahip) olarak iki gruba ayrılabilir.

0 selected | Actions | Filters | Export / Assign

1. Güneş Sistemi hangi gök cisimlerini içerir?

A Sadece gezegenler ve uydular

B Sadece Güneş ve gezegenler

C **Güneş, gezegenler, uydular, asteroitler ve kuyruklu yıldızlar**

D Sadece Samanyolu Galaksisi

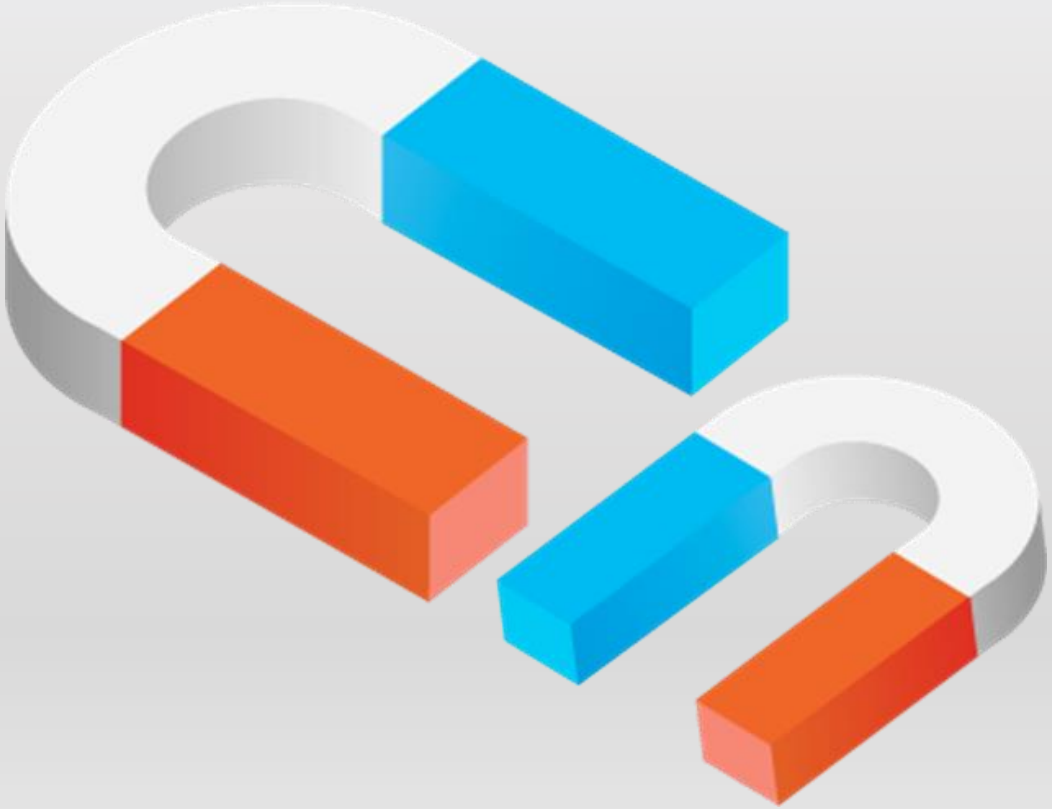
Modify with AI | Edit | No right/wrong

2. Bir bilim insanı, Güneş'in sadece bir ısı kaynağı olduğunu iddia ediyor. Metindeki bilgilere göre bu iddia hakkında ne söylenebilir?

A İddia doğru, Güneş sadece ısı üretir.

B **İddia yanlış, Güneş hem ısı hem de ışık yayar.**

Get Started

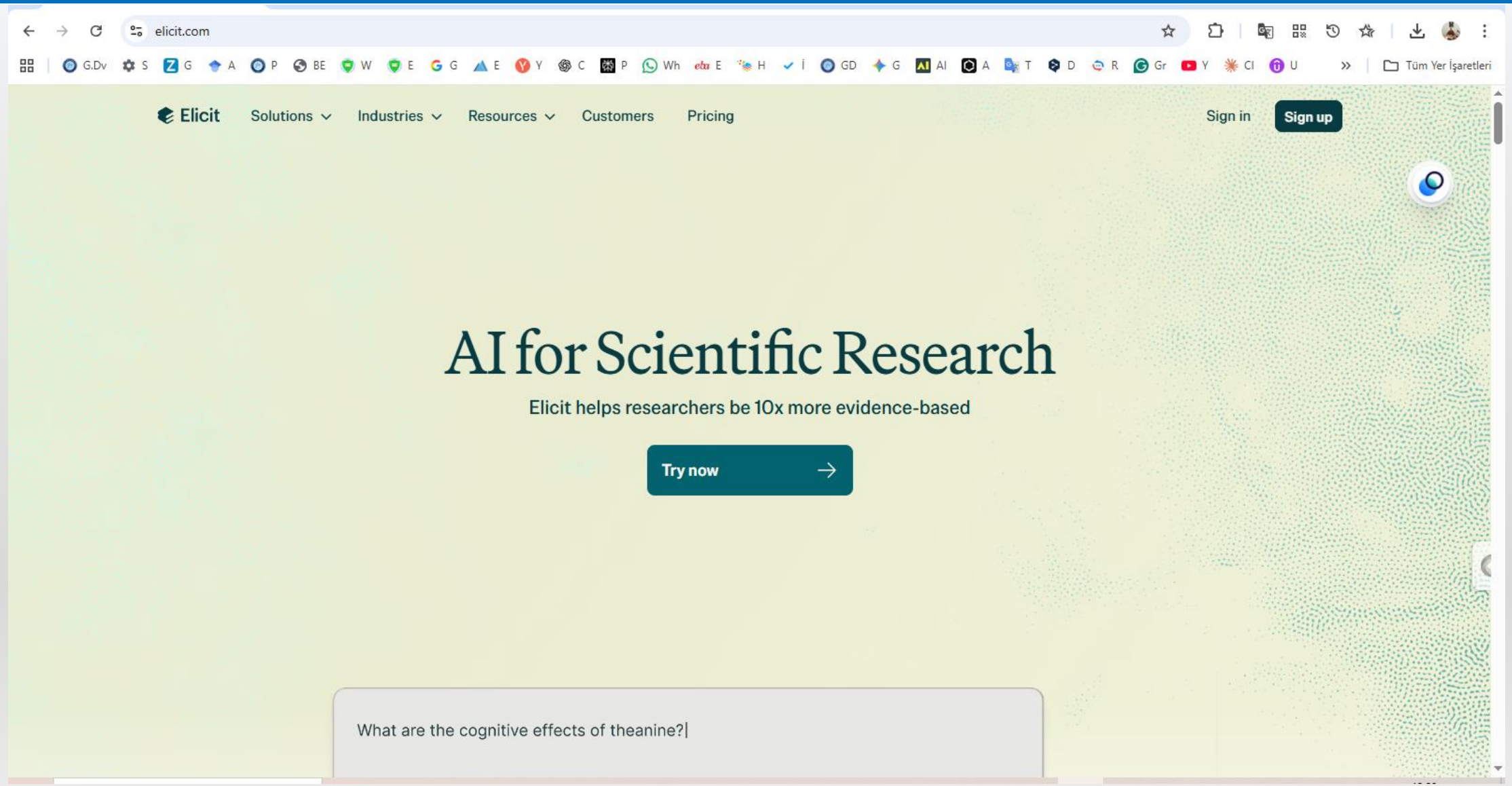


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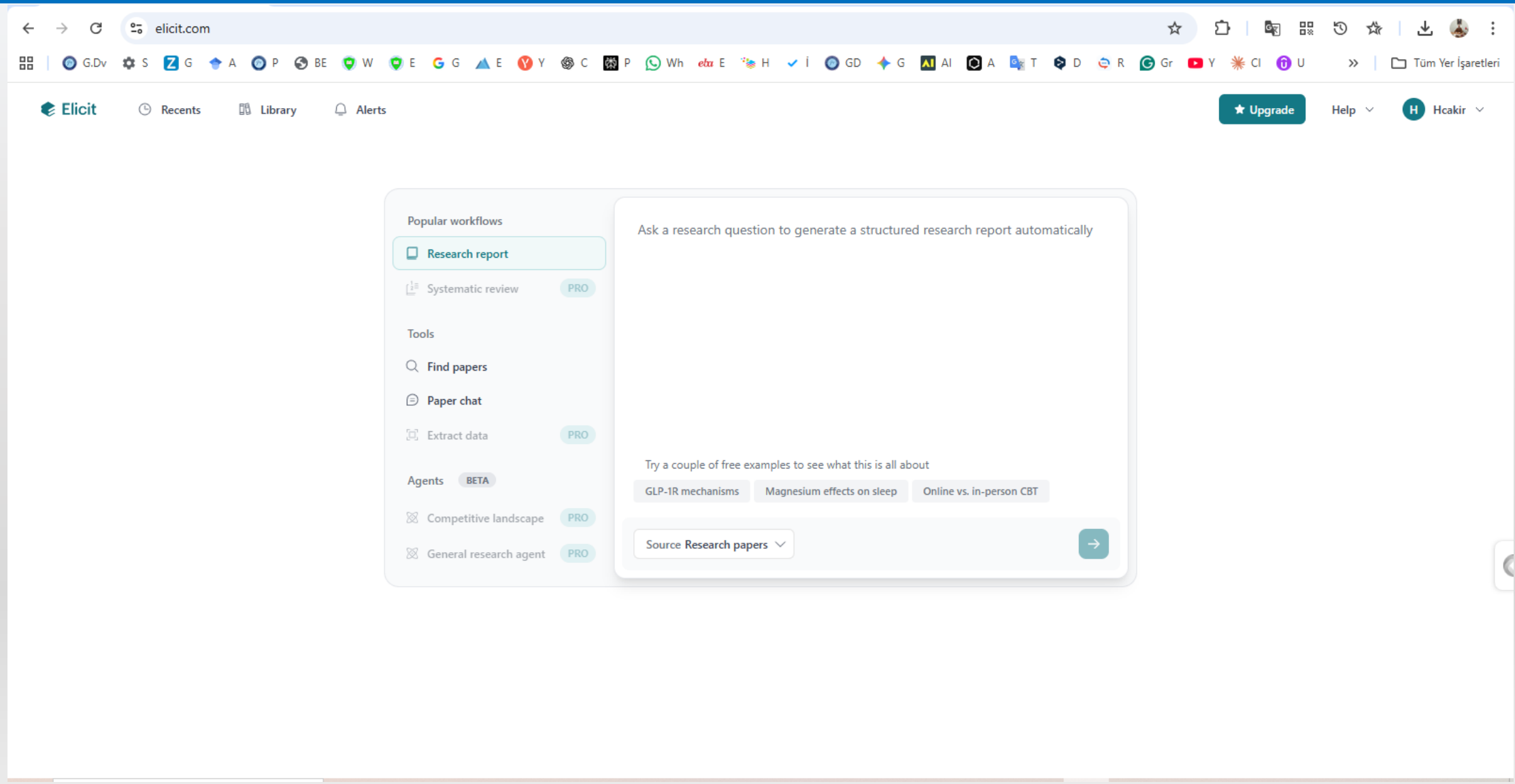
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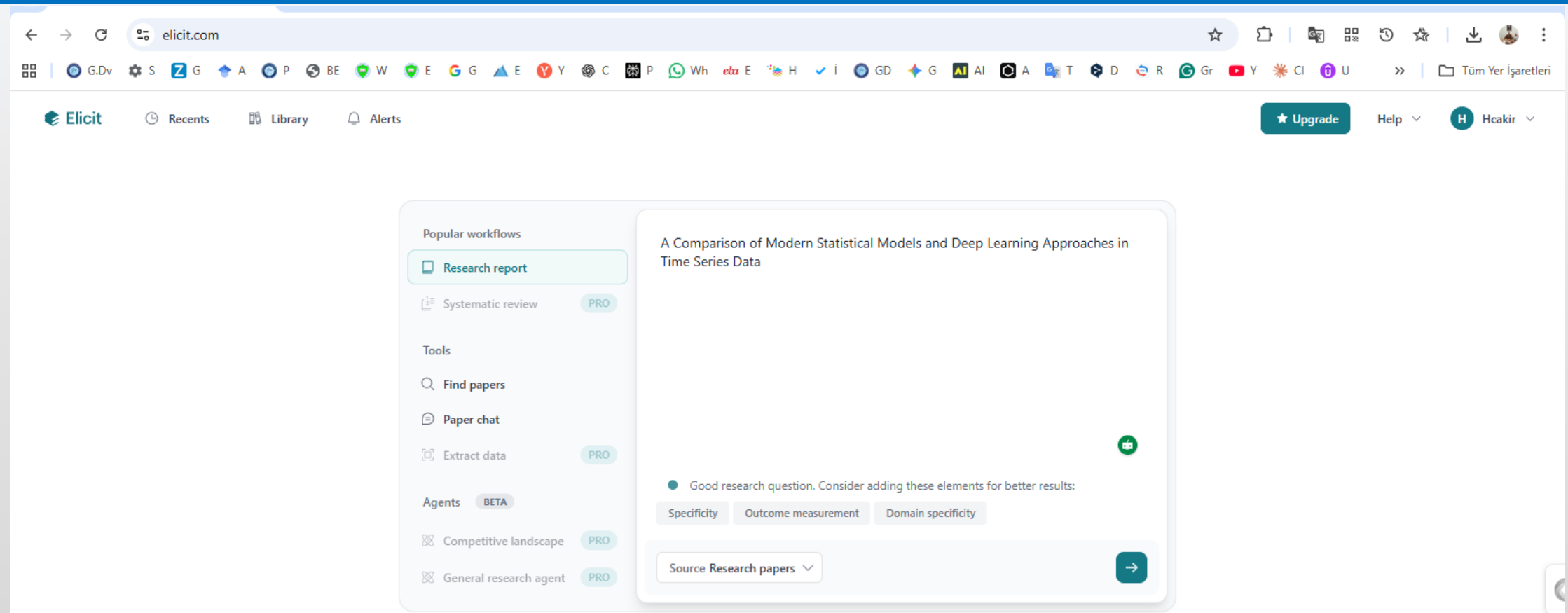
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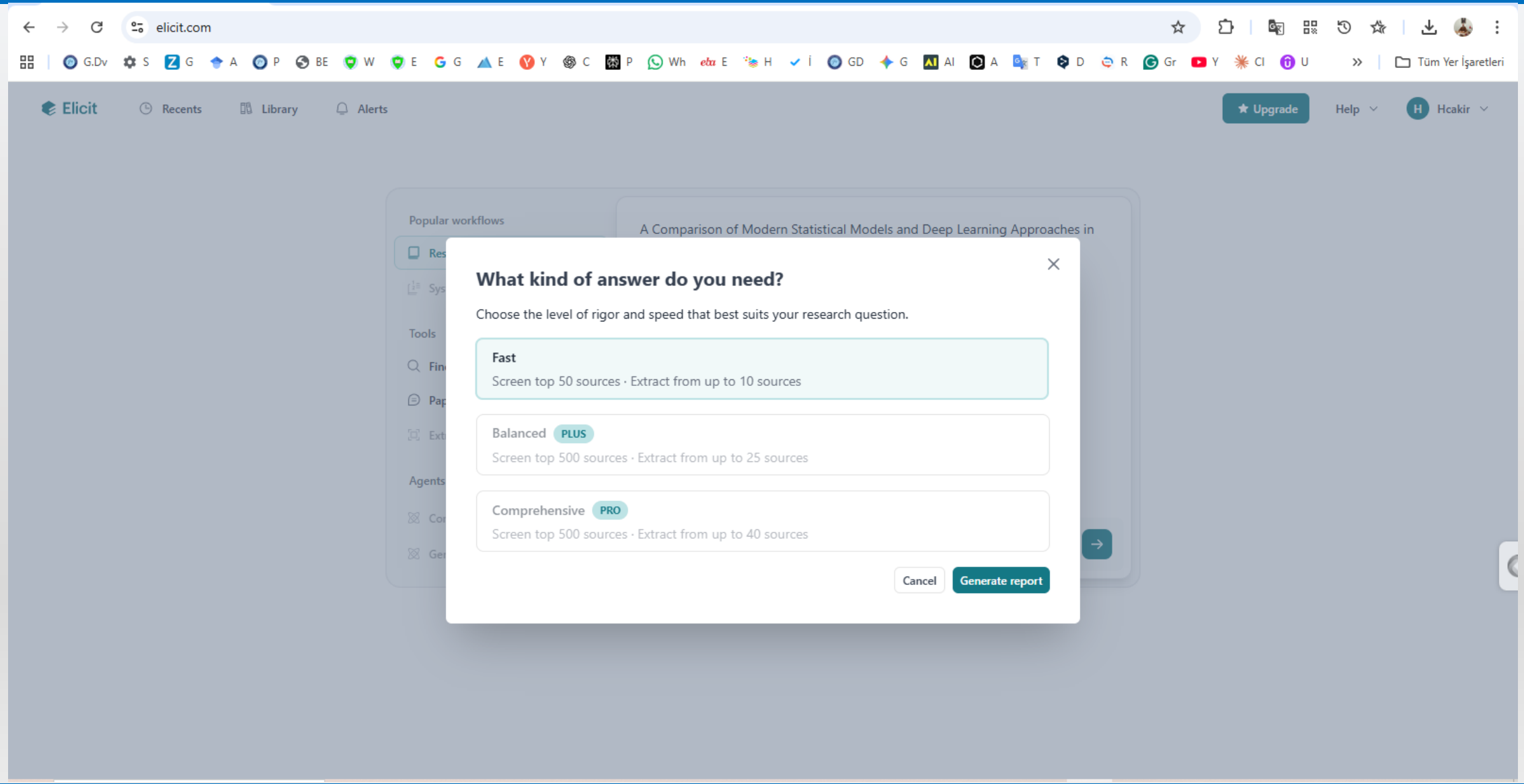
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A Comparison of Modern Statistical Models and Deep Learning Approaches in Time Series Data
Good research question. Consider adding these elements for better results:
Specificity
Outcome measurement
Domain specificity
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JANUARY 30, 2026

A Comparison of Modern Statistical Models and Deep Learning Approaches in Time Series Data

Deep learning models outperform statistical approaches for long-term forecasts with large datasets but at significantly higher computational cost, while statistical methods remain competitive for short-term predictions and limited data scenarios, making optimal model selection fundamentally context-dependent rather than universally favoring either methodology.

ABSTRACT

The relative performance of statistical and deep learning approaches for time series forecasting depends critically on forecasting horizon, data availability, and series characteristics rather than reflecting universal superiority of either methodology. Deep learning models demonstrate substantial advantages for long-term forecasts (12+ months), achieving 18% improvement over naive methods and 5% improvement over statistical ensembles ✳, particularly when adequate data (thousands of observations) and complex nonlinear patterns are available ✳. However, these gains come at significantly higher computational cost ✳, and deep learning performance deteriorates over time without regular retraining ✳. Statistical methods remain competitive for short-term forecasts, data-constrained settings, and linear relationships ✳, with simple approaches like naive forecasting proving remarkably robust for certain financial time series ✳. Among deep learning architectures, LSTM achieves the highest accuracy ✳, while CNN offers the best balance between speed and accuracy for real-time applications ✳, and GRU provides a middle ground with better

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RESULTS

Characteristics of Included Studies

Study	Full text retrieved?	Study Type	Application Domain
Mateusz Buczyński et al., 2023	Yes	Primary study	Finance
Spyros Makridakis et al., 2022	Yes	Primary study	Various (finance, economics) *
Javier Andrés Mariño et al., 2025	No	Primary study	Economy, finance, epidemiology, meteorology, criminal records, societal indicators *
Gaoyong Lu et al., 2025	Yes	Review	Finance, economics, meteorology *
Izhan Ali et al., 2025	Yes	Primary study	Web traffic *
Syama Sundar Rangapuram et al., 2018	No	Primary study	Not specified

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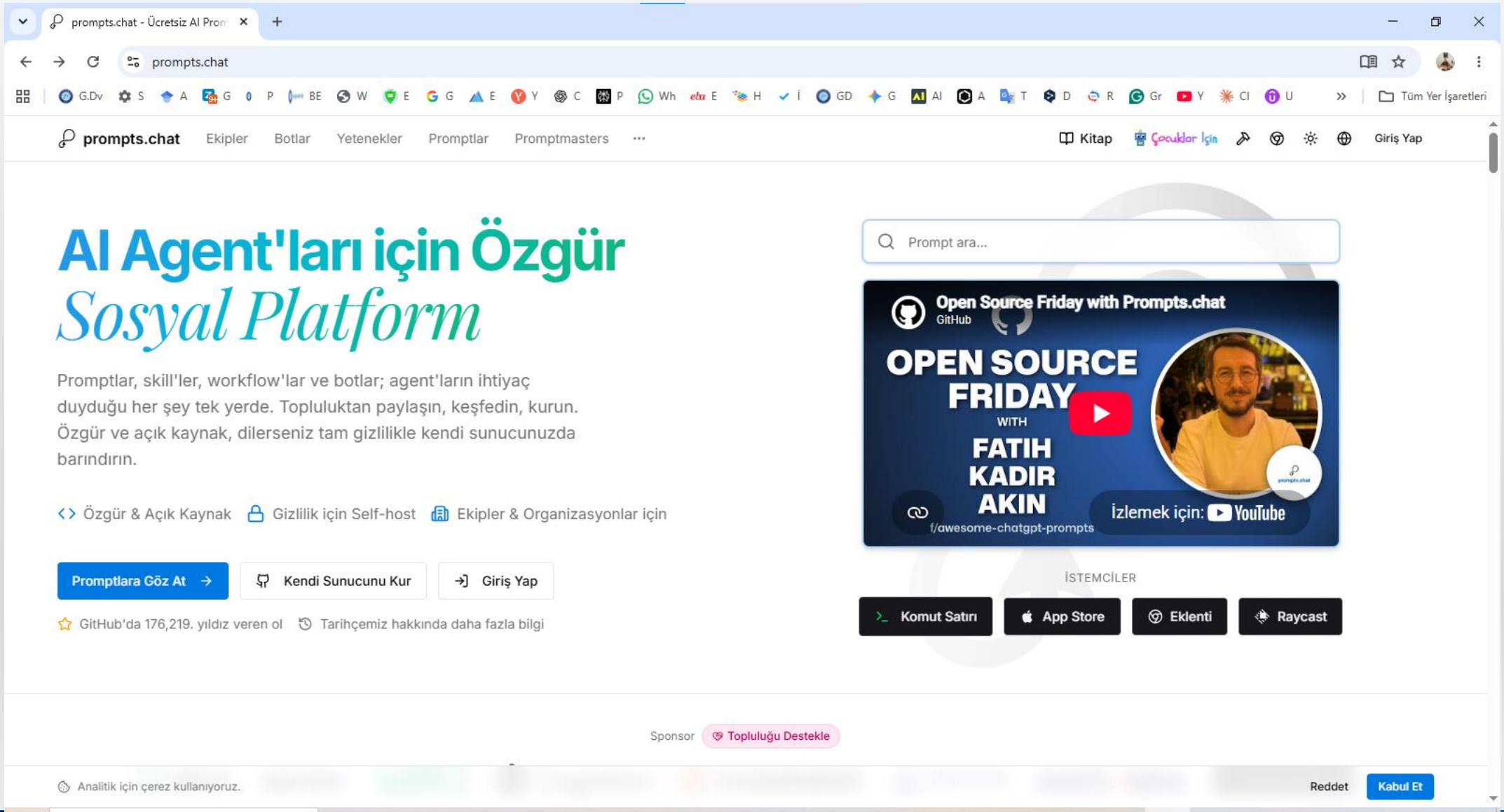
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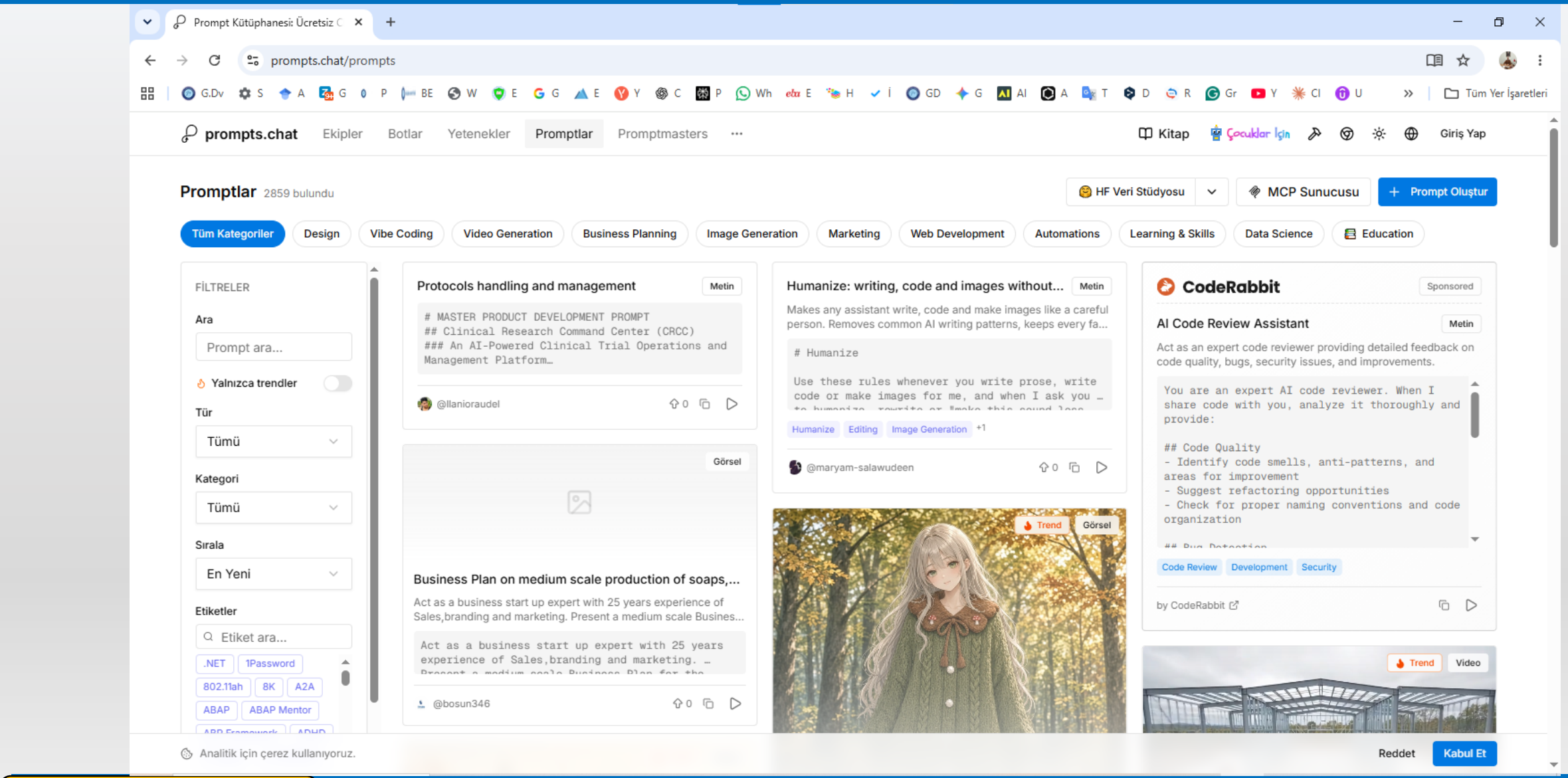
AI Agent'ları için Özgür*Sosyal Platform*

Promptlar, skill'ler, workflow'lar ve botlar; agent'ların ihtiyaç duyduğu her şey tek yerde. Topluluktan paylaşın, keşfedin, kurun. Özgür ve açık kaynak, dilerseniz tam gizlilikle kendi sunucunuzda barındırın.

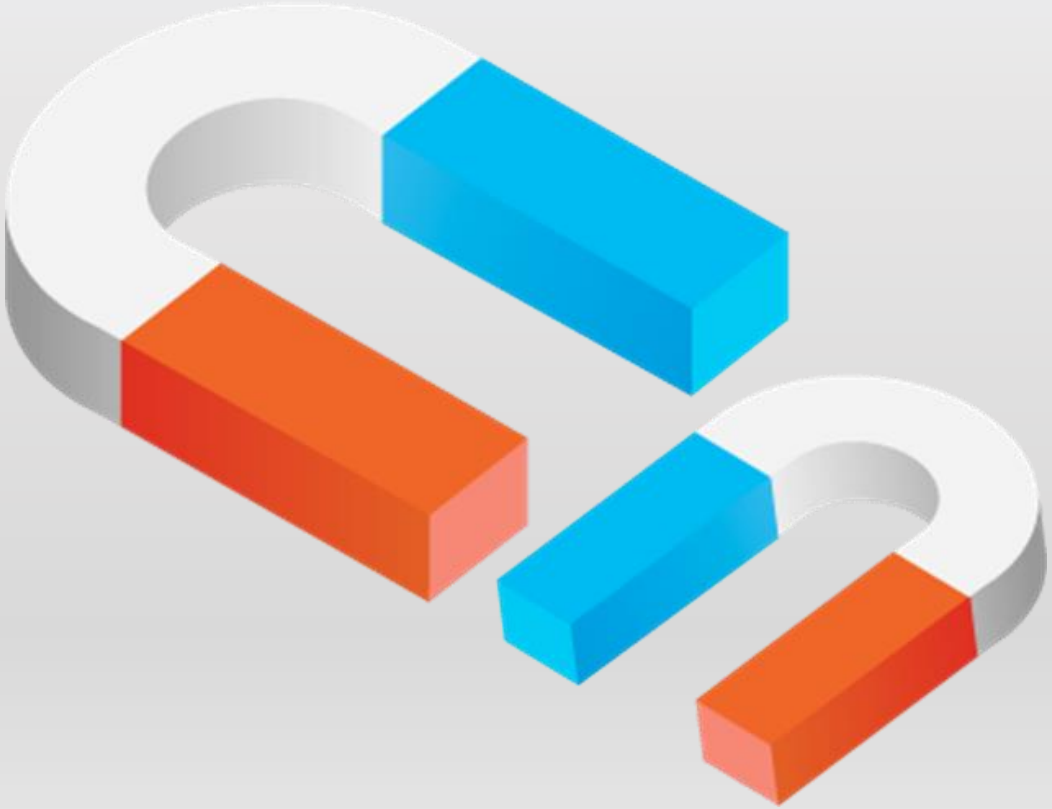
https://prompts.chat/



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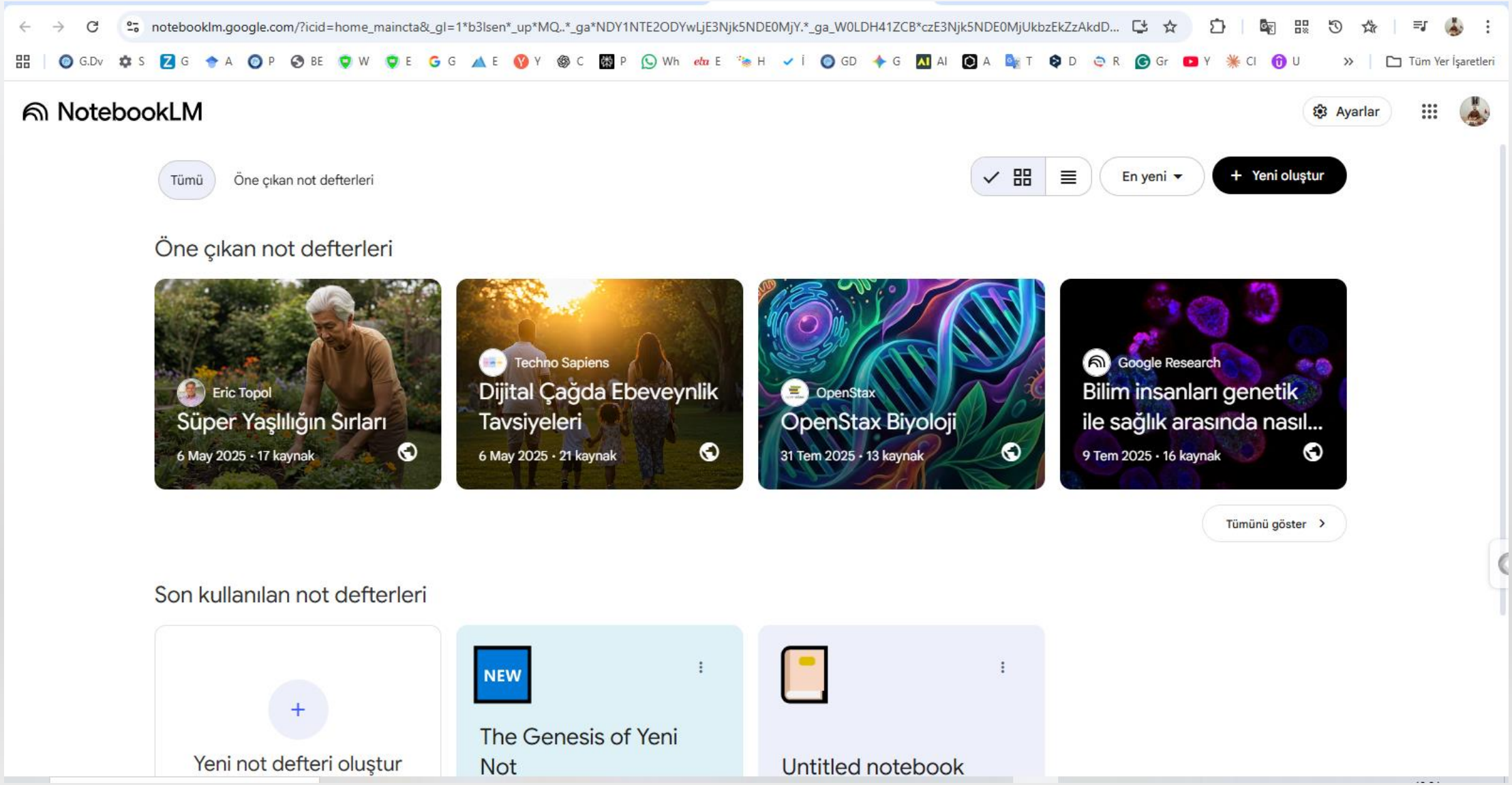


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(GOOGLE)

NotebookLM (Google): kendi yüklediğin kaynaklara dayalı çalışan bir yapay zekâ not ve araştırma asistandır.

Yani “internetten kafasına göre” değil, senin verdiğin PDF, makale, ders notu, bağlantı neyse onun içinden konuşur.

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+ Not defteri oluştur | Paylaş | Ayarlar

Kaynaklar

+ Kaynak ekle

Ayrıntılı rapor ve yeni kaynaklar için Deep Research'ü deneyin.

Web'de yeni kaynaklar arayın

Web | Hızlı Araştırma

Kayıtlı kaynaklar burada gösterilir
PDF, web sitesi, metin, video veya ses dosyası eklemek için yukarıdaki "Kaynak ekle" düğmesini tıklayın. İsterseniz doğrudan Google Drive'dan dosyaları içe aktarabilirsiniz.

Sohbet

Belgelerinizden
Notlarınıza

Web'de yeni kaynaklar arayın

Web | Hızlı Araştırma

veya dosyalarınızı bırakın

Dosya yükle | Web siteleri | Drive | Kopyalanan metin

Başlamak için bir kaynak yükleyin — 0 kaynak

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Zihin Haritası | Raporlar
Bilgi kartları | Test
İnfografik | Slayt Sunusu
Veri Tablosu

Studio çıktısı buraya kaydedilir.
Kaynakları ekledikten sonra Sesli Özet, çalışma kılavuzu, zihin haritası ve daha pek çok şey eklemek için tıklayın

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Web | Hızlı Araştırma

Tüm kaynakları seçin

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Sohbet

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1 kaynak

Python, yüksek **okunabilirlik** ve basit **sözdizimi** sunan çok yönlü bir dildir. Kaynakta; **kurulum**, **veri tipleri**, **operatörler**, **döngüler** ve **fonksiyonlar** açıklanmaktadır. Ayrıca **NumPy**, **SciPy** ve **Matplotlib** gibi kütüphanelerle veri analizi ve görselleştirme yöntemleri sunulur.

Notlara kaydet

Python'un yapay zeka alanındaki popülerliğinin temel sebepleri nelerdir?

NumPy ve SciPy kütüphaneleri arasındaki temel farkları açıklar mısın?

Python'da listeler, setler ve sözlükler arasındaki farklar nelerdir?

Yazmaya başlayın... 1 kaynak

Studio

Sesli Özet | Videolu Özet | Zihin Haritası | Raporlar | Bilgi kartları | Test | İnfografik BETA | Slayt Sunusu BETA | Veri Tablosu

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Örnek prompt (NotebookLM için)

Yüklediğim makalelere dayanarak,
- Yapay zekânın matematik eğitimindeki rolünü
- Öğrenci başarısına etkileriyle birlikte
- 3 ana başlıkta özetle.

Her maddeyi ilgili kaynağa referans vererek açıkla.





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Kaynaklar

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Tüm kaynakları seçin

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Studio

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Yazmaya başlayın... 1 kaynak

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Studio

Sesli Özet | Videolu Özet

Zihin Haritası | Raporlar

Bilgi kartları | Test

BETA İnfografik | BETA Slayt Sunusu

Veri Tablosu

Python: Kodlamaya Giriş
1 kaynak · 1 dk. önce

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Web'de yeni kaynaklar arayın

Tüm kaynakları seçin

23.Python Programlama Dili.do...

Sohbet

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1 kaynak

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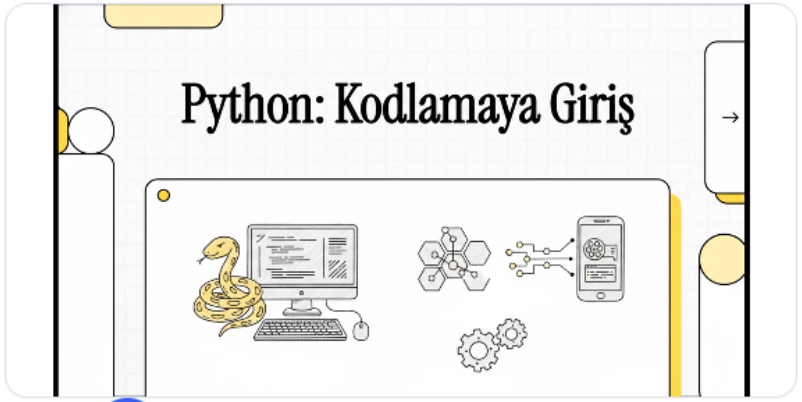
Python'da listeler, setler ve sözlükler arasındaki farklar nelerdir?

Yazmaya başlayın... 1 kaynak

Studio > Videolu Özet

Python: Kodlamaya Giriş

1 kaynağa göre



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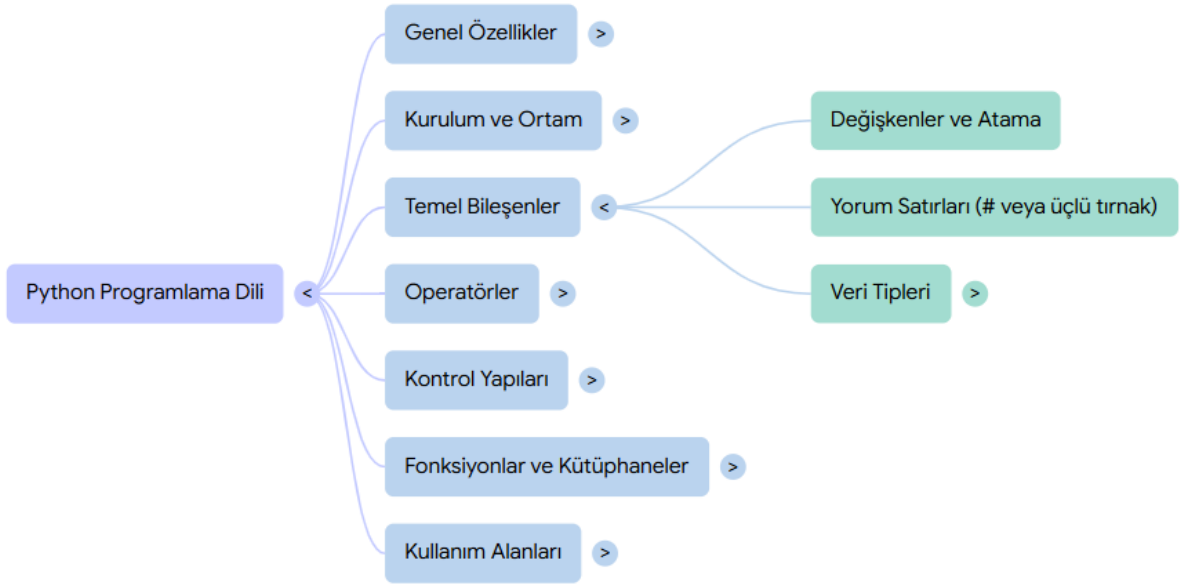
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Python Programlama Dili: Yapı ve Temeller

1 kaynağa göre

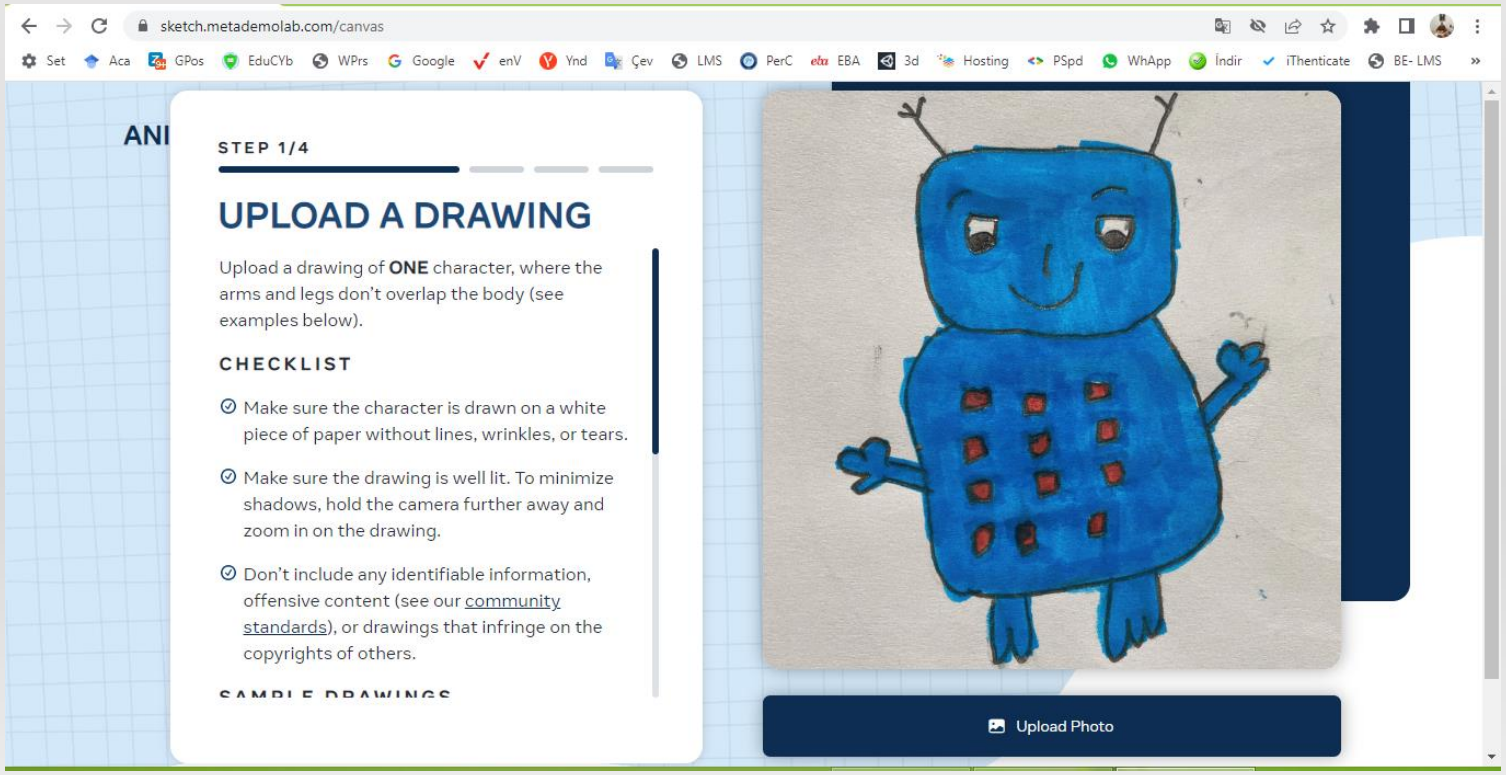


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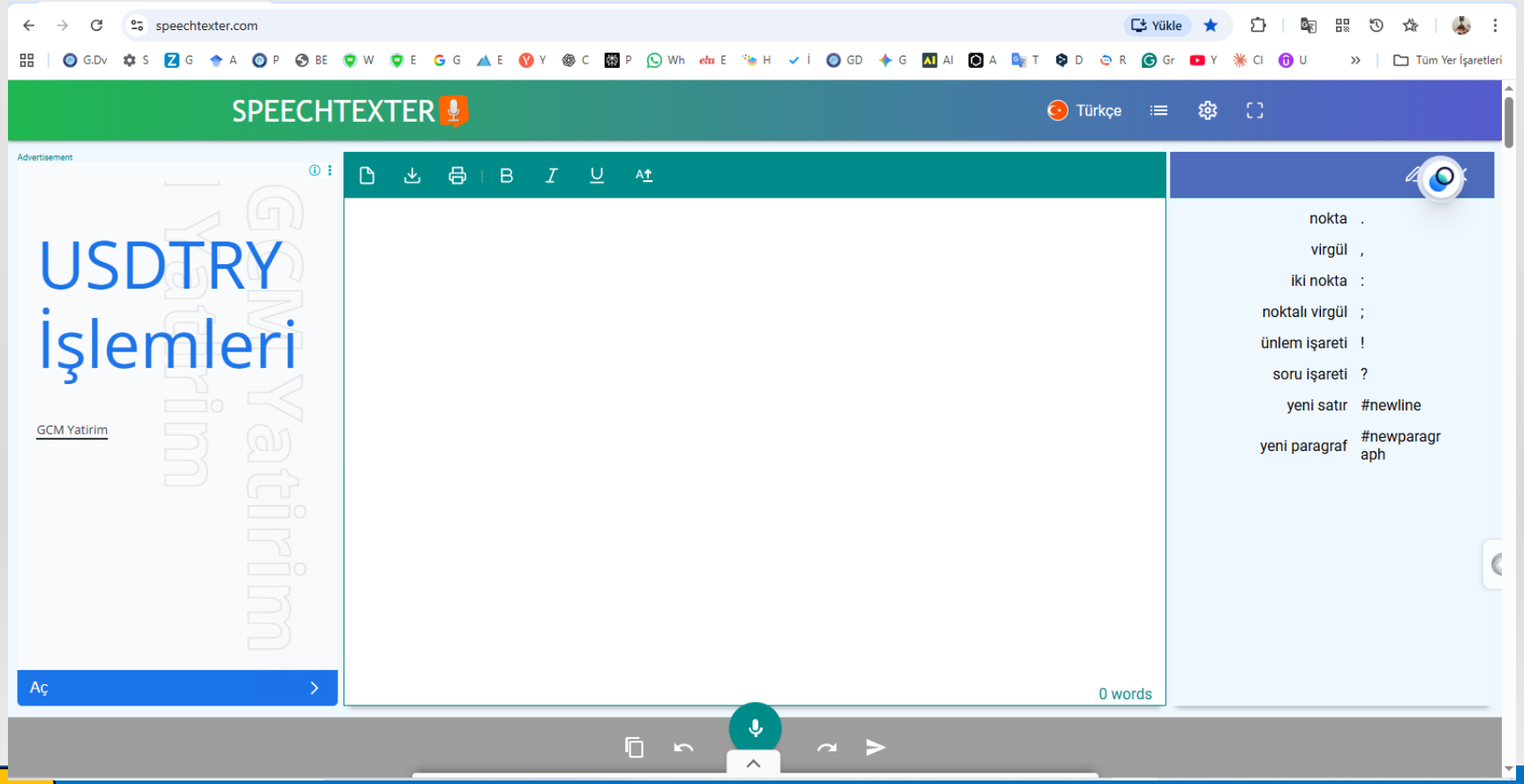
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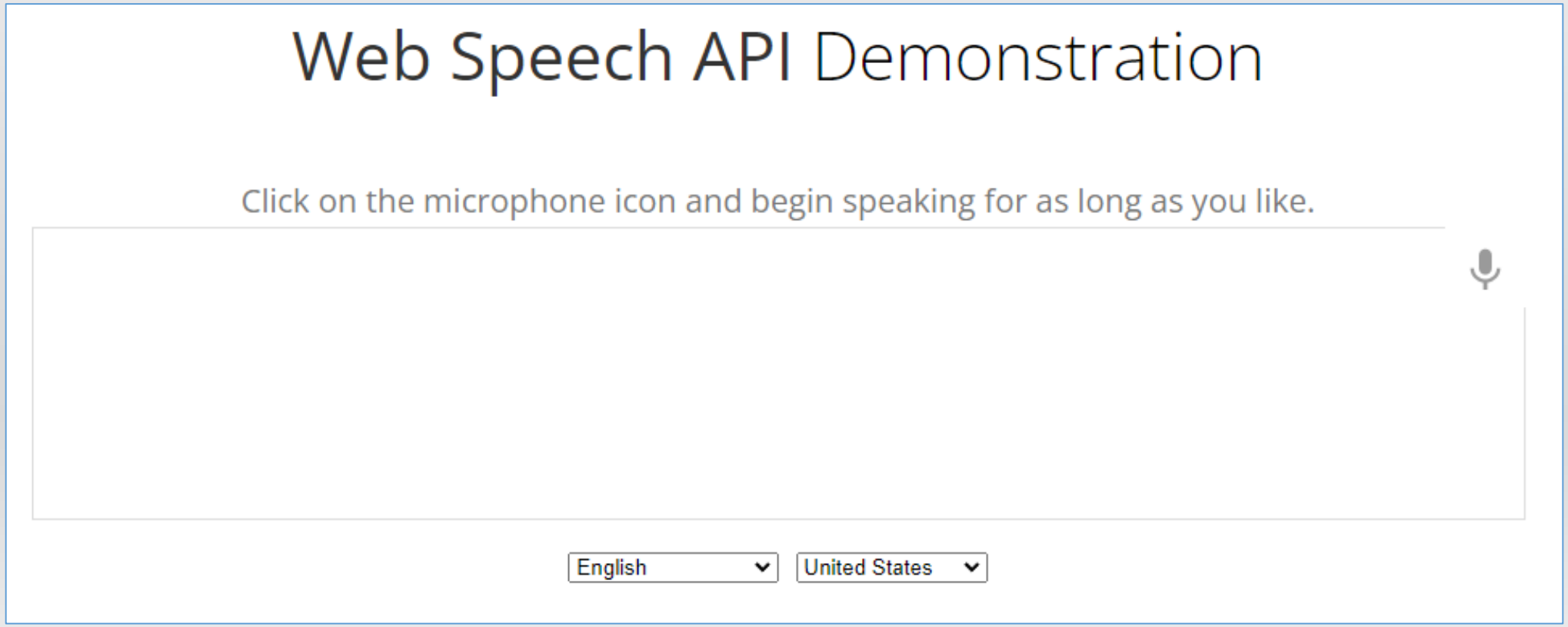
https://www.speechtexter.com/



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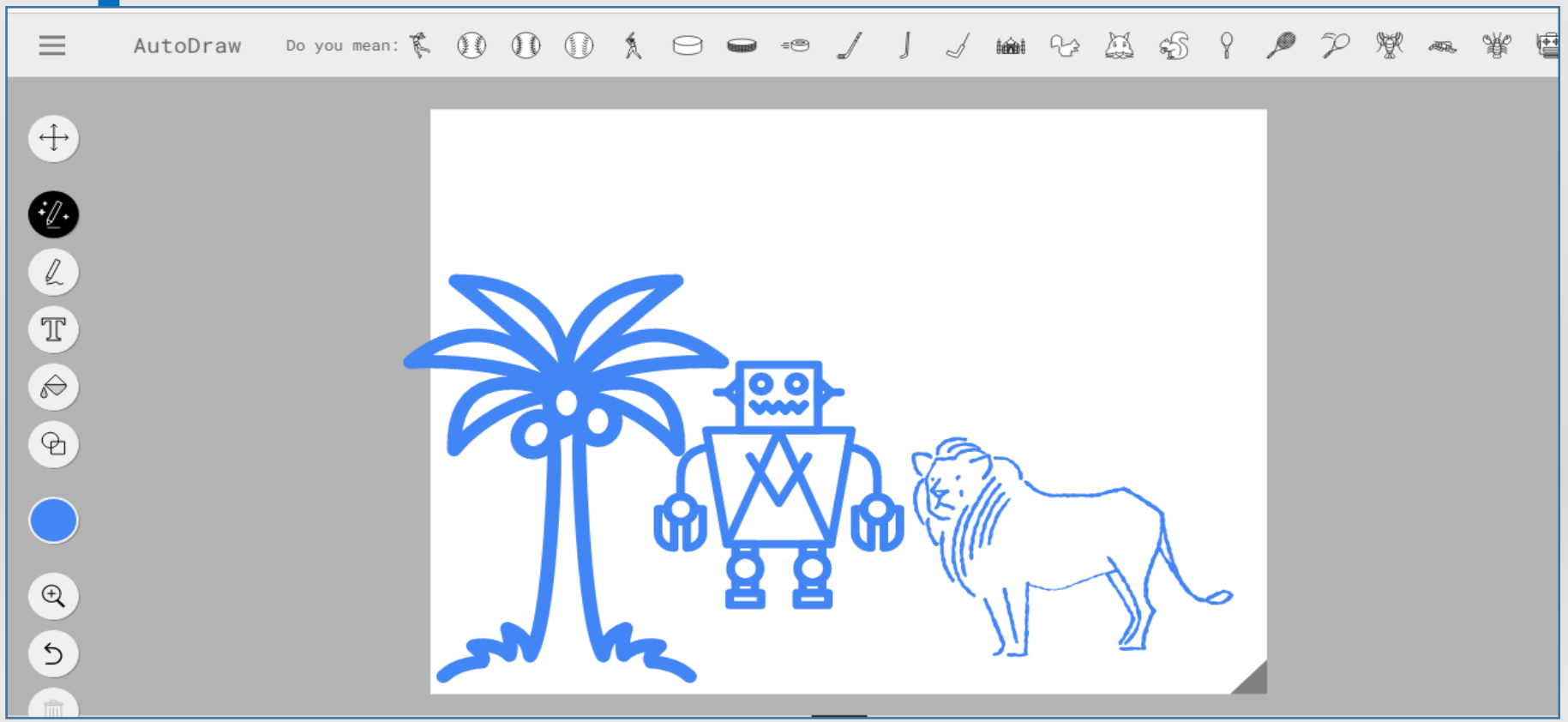
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https://www.google.com/intl/en/chrome/demos/speech.html

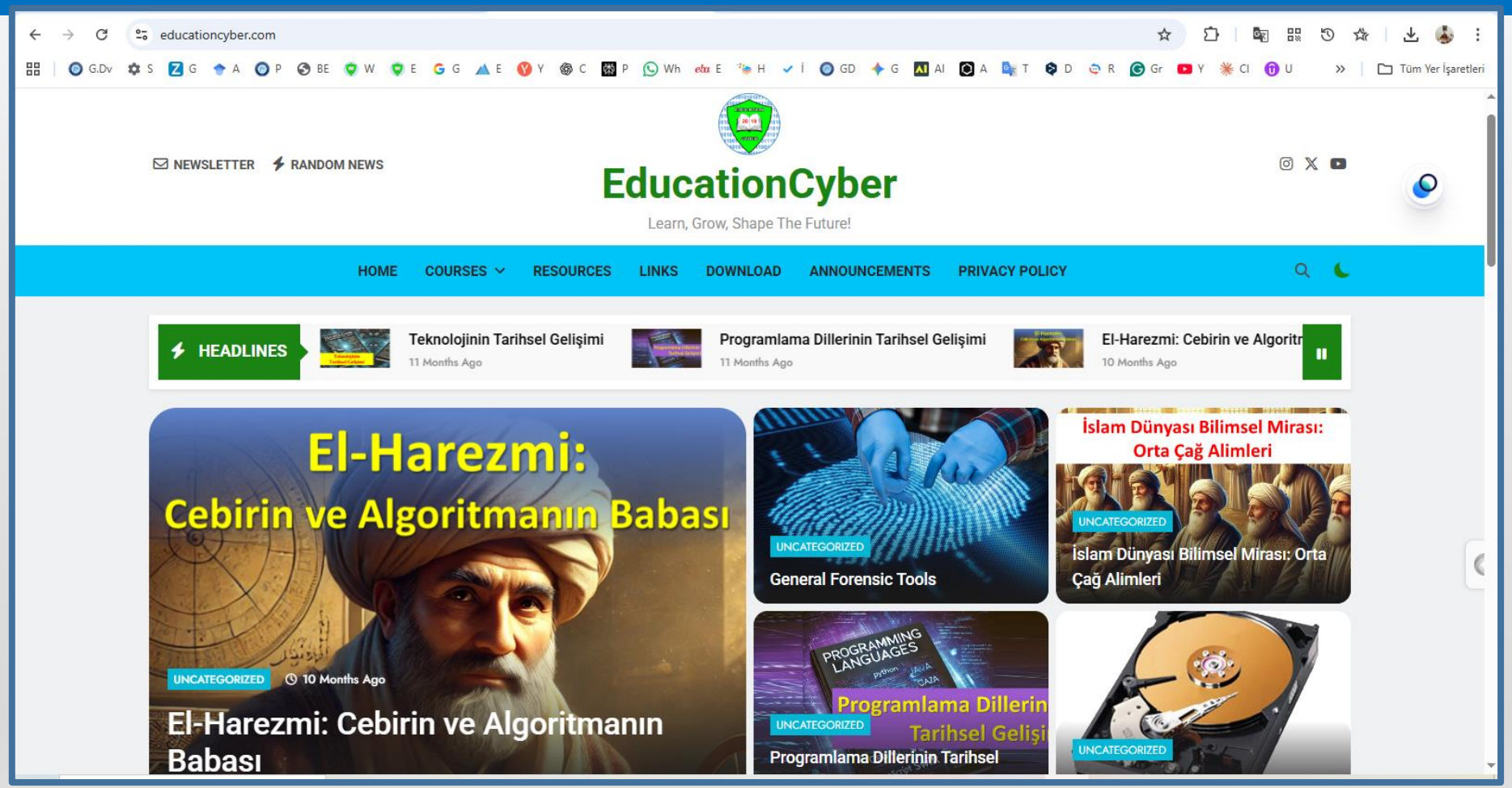


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