



GAMEDLE

Eike Gebing & Quang Anh Nguyen





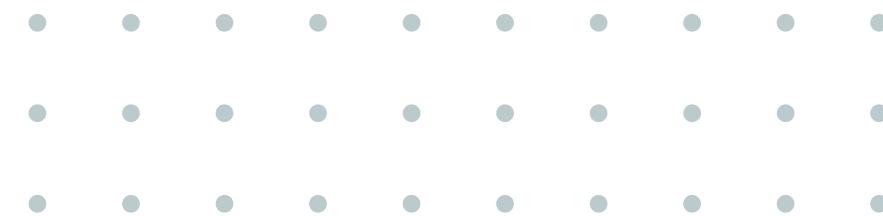
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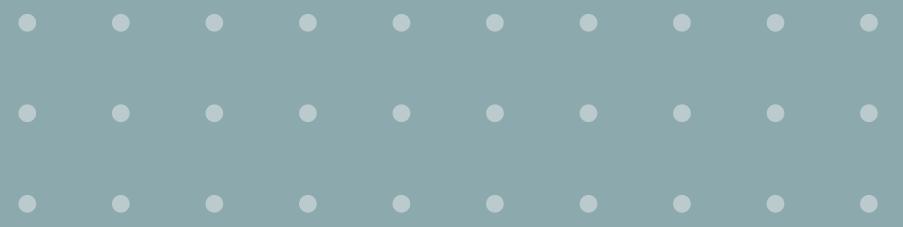
04. SCOPE AND PRIORITIES

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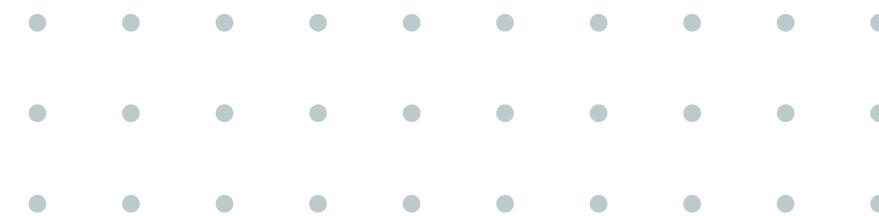


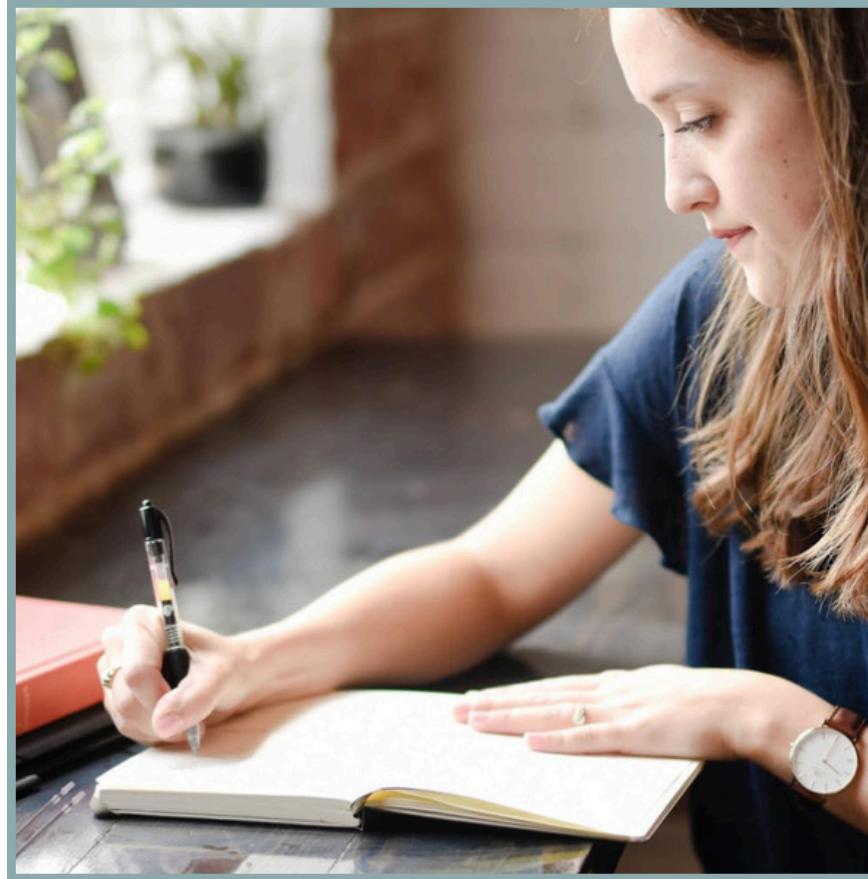
VALUE PROPOSITION



PROBLEM

- many distractions online: hard to find valuable content
- games capture attention but lack mental challenge
- often require unwanted sign-up





„I want to enjoy the things in life which really make me happy!“

Interests and hobbies:

Drawing, mountainclimbing, socializing, going out

Values:

Julia likes to have deep connections with the people that are important to her. Having started her college level education she wants to build solid fundamentals for her bachelor.

Motivation:

Julia likes to go out with her friends and taking part in several social activities in her freetime. Drawing urban scenes is her favourite hobby. (Urban-Sketching)

Problem:

Julia spends a lot of her downtime on social media. She often finds herself wasting more time than she's comfortable with and thus wants to find better alternatives to kill time.

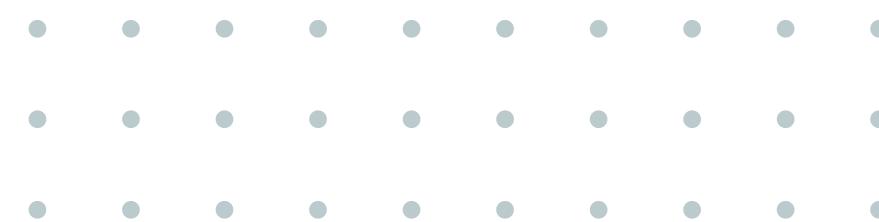
JULIA SCHMIDT (19)

Residency: Berlin

Marital status: Single

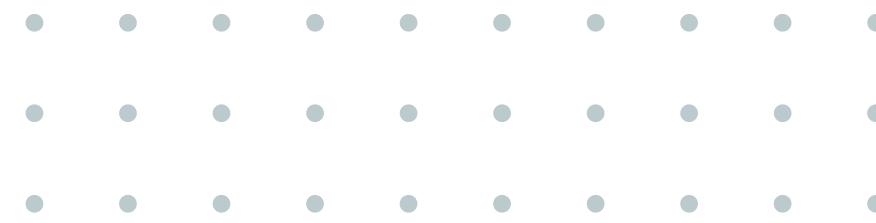
Education: High School

Current occupation: Student (Law)



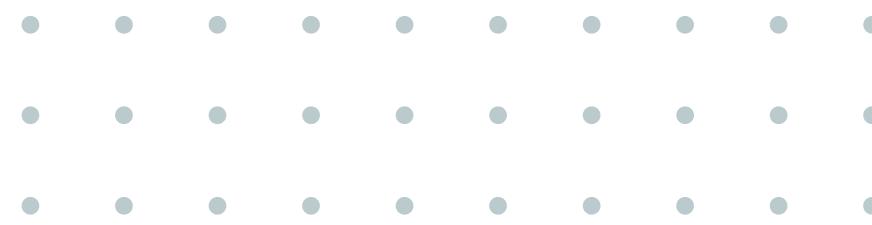
SOLUTION: GAMEDLE

- quick, engaging challenges through various games
- focus on: accessibility, variety, and difficulty
- no sign-up required



HOW CAN WE HELP JULIA?

- a platform where Julia can enjoy games based on her interests
- an alternative to social media, offering fun and engaging gameplay
- play with or against friends, strengthening her connections
- easy access, offering a seamless experience to jump right into the fun





APP BEHAVIOR AND STRUCTURE



MAIN IDEA

- creating games with guessing elements
- implementing a scoring system with a leaderboard
- offering various game sets with diverse topics



INSPIRATION



? COSTCODE

Red Lobster Cheddar Bay Biscuit Mix 45.44 oz

Guess: 1/6

\$ Enter a guess... **SUBMIT**

Chronophoto
www.chronophoto.app



Costcode
costcode.com

INSPIRATION

The screenshot shows the New York Times Games homepage. On the left, a sidebar lists various games: Connections: Sports Edition (Beta), The New York Times, The Crossword, Statistics, The Mini, Leaderboards, Spelling Bee, Past Puzzles, Wordle, Wordle Archive, Strands, Connections, Connections Archive, Connections Bot (NEW), Tiles, Letter Boxed, and All Games. The main content area features three large puzzle cards: "The Mini" (Thursday, Jan. 9, 2025, By WYNA LIU, Edited by SAM EZERSKY), "The Crossword" (Thursday, Jan. 9, 2025, with a "Subscribe Today!" button), and "Spelling Bee" (Make as many words as you can with 7 letters). Below these is a "READ ABOUT TODAY'S PUZZLE ON WORDPLAY" link. At the bottom, there are three more game cards: "Spelling Bee" (yellow background), "Wordle" (grey background), and "Strands" (teal background).

New York Times
www.nytimes.com/crosswords

WIREFRAMES

The wireframe illustrates a game landing page with a sidebar navigation. The main content area features a large title and author information.

- Left Sidebar:** Contains a header "Games" with an "x" icon, a section for "Game 1" with a document icon, and a section for "Game 2".
- Right Sidebar:** Contains a header "More" with an "x" icon, a section for "Contact".
- Main Content Area:** Displays the text "Welcome to Gamedle" and "By Quang & Eike".

WIREFRAMES

When did this take place? (for example)

The wireframe shows a large rectangular input field at the top. Below it is a horizontal slider bar with a central input field containing the value "1978". Three callout boxes at the bottom provide context: "Start of scale '1900'" on the left, "Current slider location '1978'" with a checkmark in the center, and "End of scale '2024'" on the right.

Start of scale "1900"

Current slider location "1978" ✓

End of scale "2024"

WIREFRAMES

When did this take place? (for example)

This happened in 1982. You
were slightly off.

Your score: 4395

Next →

WIREFRAMES

The image shows a wireframe of a game interface. On the left, there is a sidebar menu with a three-line icon and a "More" button. The main area features a large text box asking "When did this take place? (for example)". Inside this box, a smaller box displays "Total score: 8948" and an "Enter your name:" field containing "Mike". A close button ("x") is located in the top right corner of the inner box. At the bottom, there is a horizontal bar with a central progress indicator showing the number "10". A footer bar at the very bottom contains the text "Exit" followed by a right-pointing arrow. To the right of the main content area, there is a vertical sidebar titled "Highscores" with a "More" button and an "x" button. It lists five entries: Quang: 7869, Eike: 5697, Emily: 3253, and Hans: 1299.

When did this take place? (for example)

Total score: 8948

Enter your name:
Mike

More x

Highscores

Quang: 7869

Eike: 5697

Emily: 3253

Hans: 1299

Exit →

FIRST IMPLEMENTATION

The image shows a screenshot of a web application. On the left side, there is a vertical sidebar with a light gray background. At the top of the sidebar, the text "GameSets" is displayed in a small, dark font. Below it, there is a horizontal button with the word "Brands" in white text. The main content area on the right has a white background. In the center, the text "Welcome to Gamedle!" is written in a large, bold, black sans-serif font. Below this, the text "by Quang & Eike" is written in a smaller, regular black font.

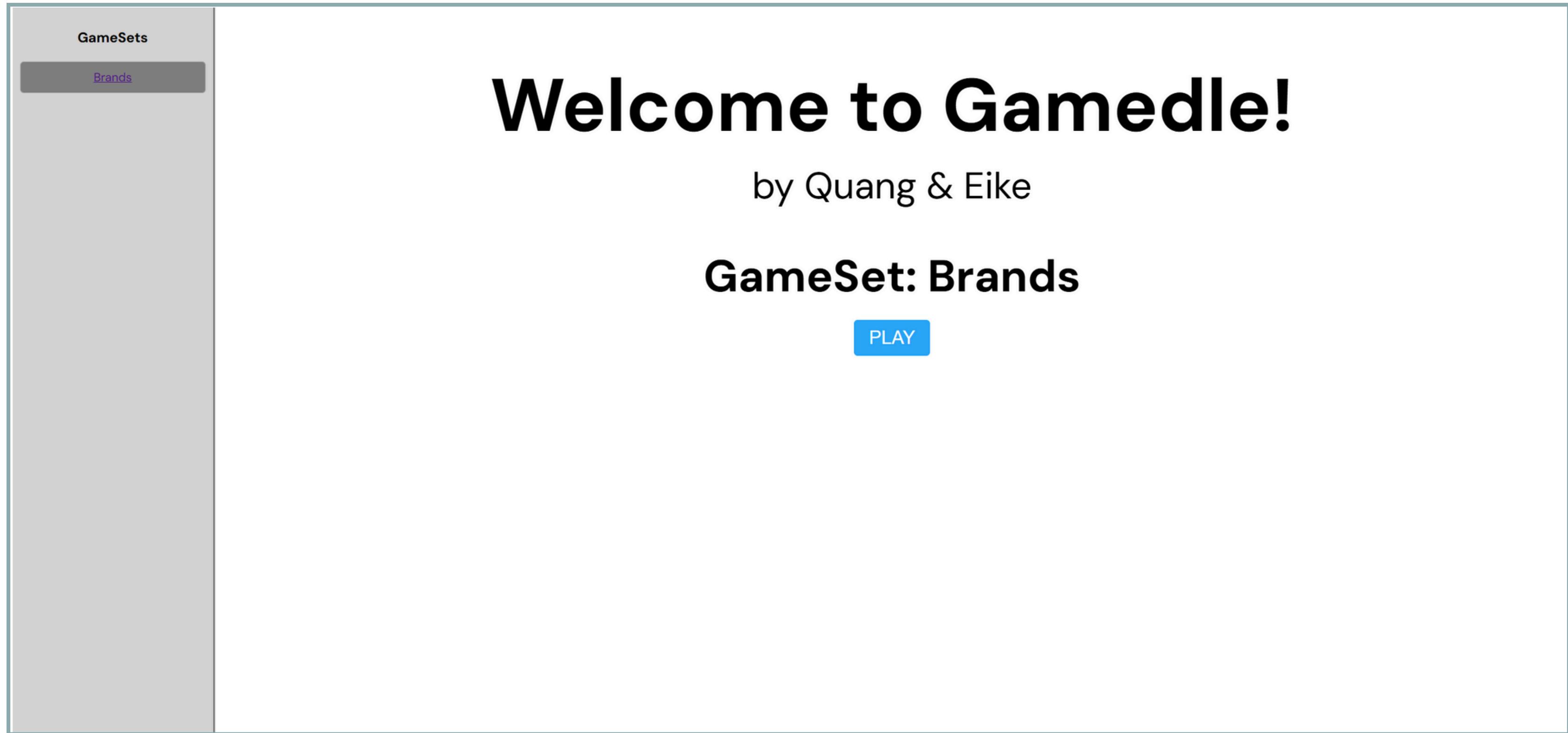
GameSets

Brands

Welcome to Gamedle!

by Quang & Eike

FIRST IMPLEMENTATION

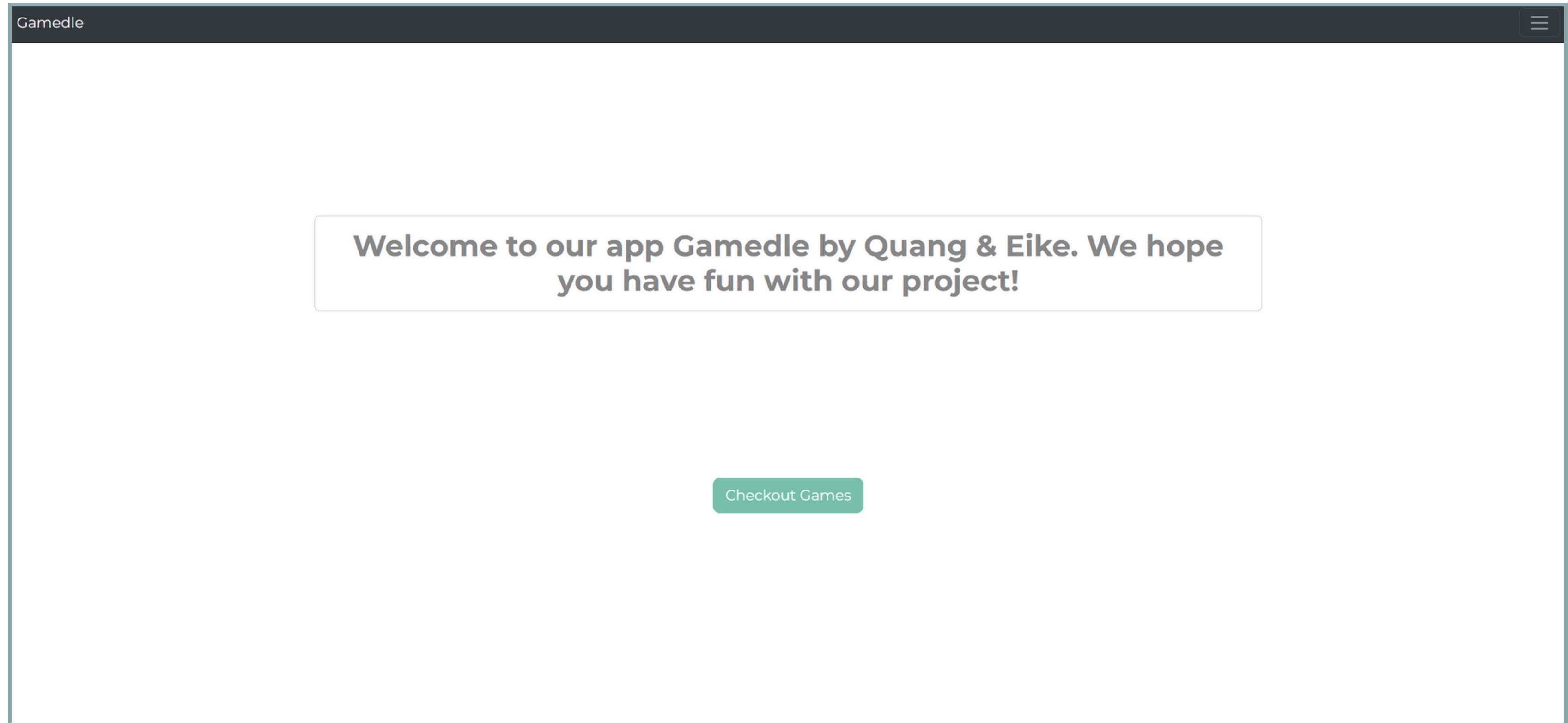


FIRST IMPLEMENTATION

**How much revenue did Amazon
make in 2023?**



CURRENT STATE



CURRENT STATE

The screenshot shows a web application interface for 'Gamedle'. At the top left is the logo 'Gamedle'. At the top right is a menu icon consisting of three horizontal lines. Below the header, there are two main game sections, each enclosed in a light gray box.

Game 1
This is our first game where you can estimate various things!
[Play](#)

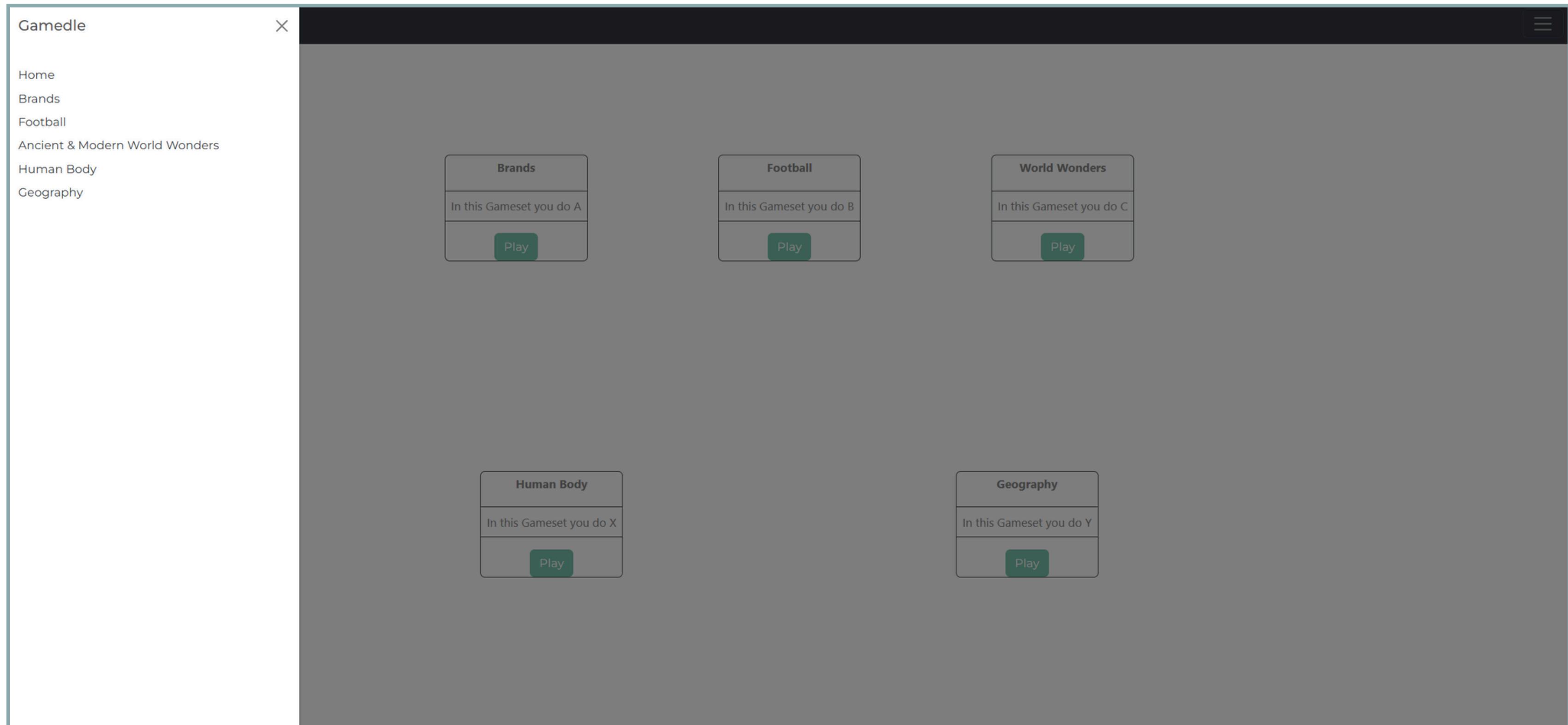
Game 2
This is our second game where you guess the prices of various products found in the catalog of the German retailer Aldi!
[Play](#)

CURRENT STATE

The screenshot shows the Gamedle website interface. At the top left is the logo "Gamedle". At the top right is a menu icon consisting of three horizontal lines. Below the header, there are six rectangular boxes arranged in two rows of three. Each box contains a title, a descriptive subtitle, and a green "Play" button.

- Brands**
In this Gameset you do A
Play
- Football**
In this Gameset you do B
Play
- World Wonders**
In this Gameset you do C
Play
- Human Body**
In this Gameset you do X
Play
- Geography**
In this Gameset you do Y
Play

CURRENT STATE



CURRENT STATE

Gamedle

In which year did Facebook rename itself to Meta?

∞ Meta

Submit

The image shows a screenshot of a mobile application interface. At the top, there's a dark header bar with the word "Gamedle" on the left and a three-line menu icon on the right. Below the header, the main content area has a white background. A question is displayed in a dark gray font: "In which year did Facebook rename itself to Meta?". In the center of the screen is a large, stylized logo for "Meta". It features a blue infinity symbol (a figure-eight shape) on the left, and the word "Meta" in a large, bold, dark blue sans-serif font to its right. At the bottom of the screen is a teal-colored horizontal bar. In the center of this bar is a white button with the word "Submit" in black text. There's also a small, dark teal circular icon positioned above the "Submit" button.

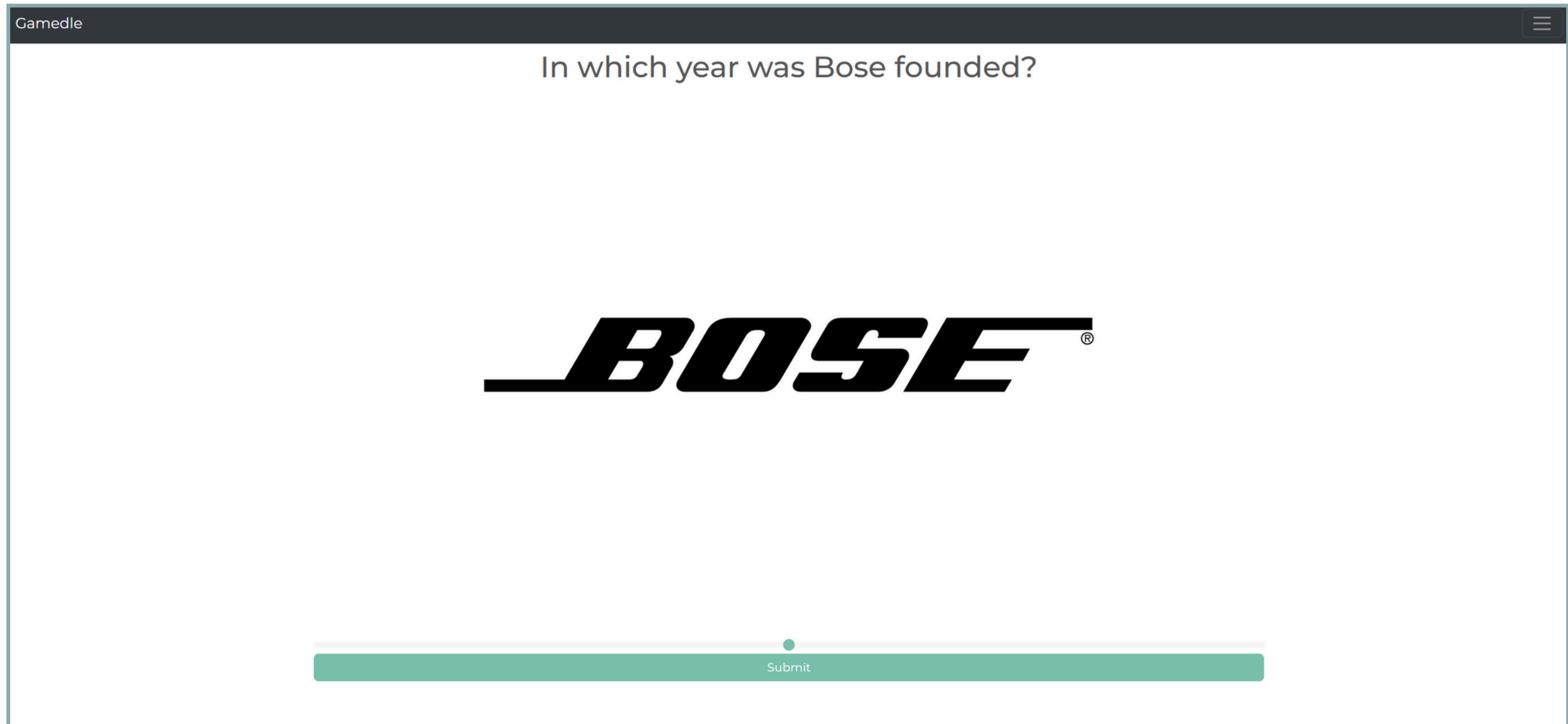
CURRENT STATE

Gamedle

In which year was Bose founded?

BOSE®

Submit



CURRENT STATE

Gamedle

How many consecutive times has FC Bayern Munich won the Bundesliga?



Submit

CURRENT STATE

Gamedle

How many trophies has Pep Guardiola won as a manager?



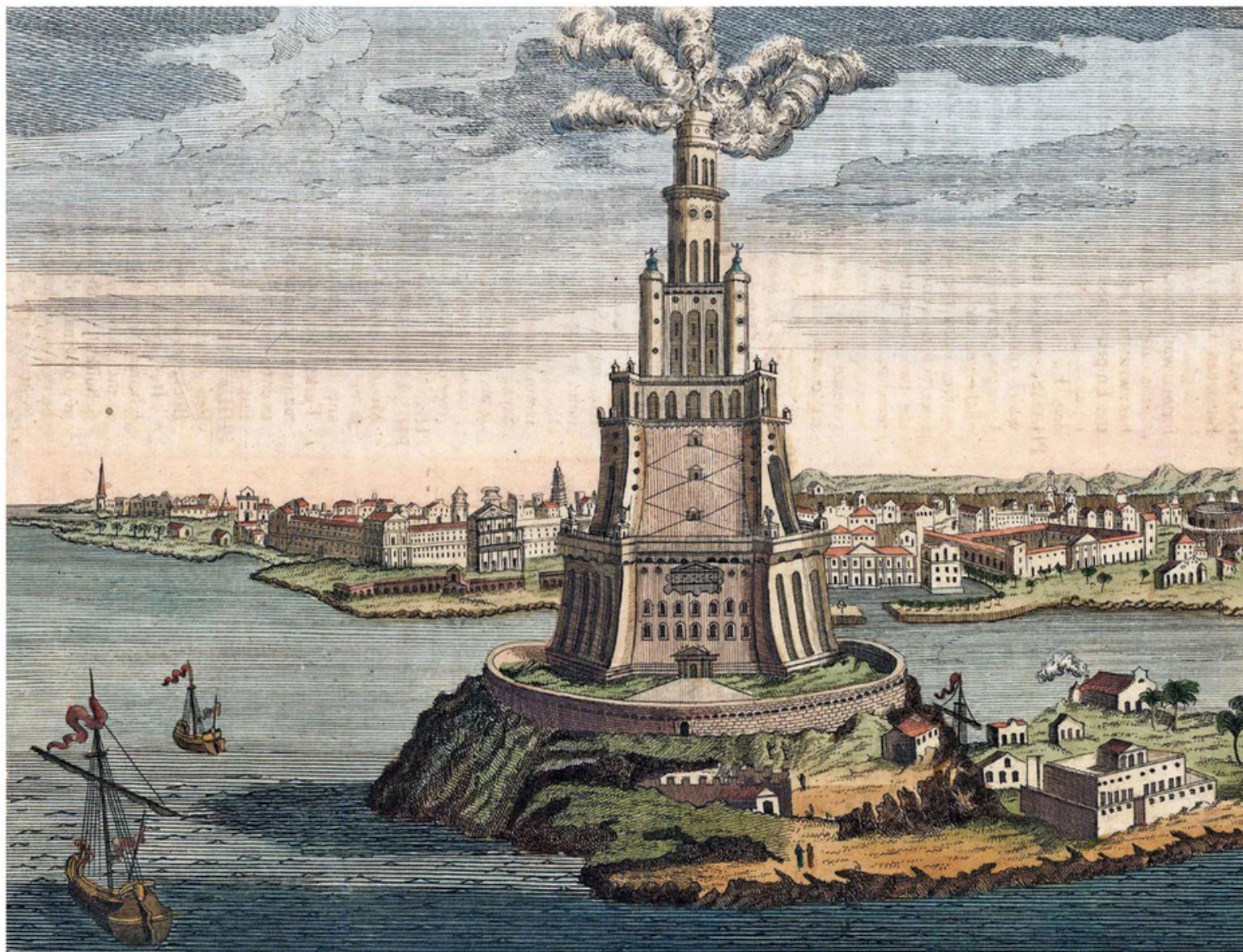
A photograph of Pep Guardiola, a bald man with a beard, wearing a black suit and a blue lanyard. He is holding a large, shiny silver trophy with two handles. The trophy has the text "UEFA CHAMPIONS LEAGUE" and "CUP DES CLUBS CHAMPIONS EUROPÉENS" engraved on it. In the background, there are blurred figures of people in blue shirts, suggesting a stadium or celebration.

Submit

CURRENT STATE

Gamedle

How many years did it take to build the Lighthouse of Alexandria?

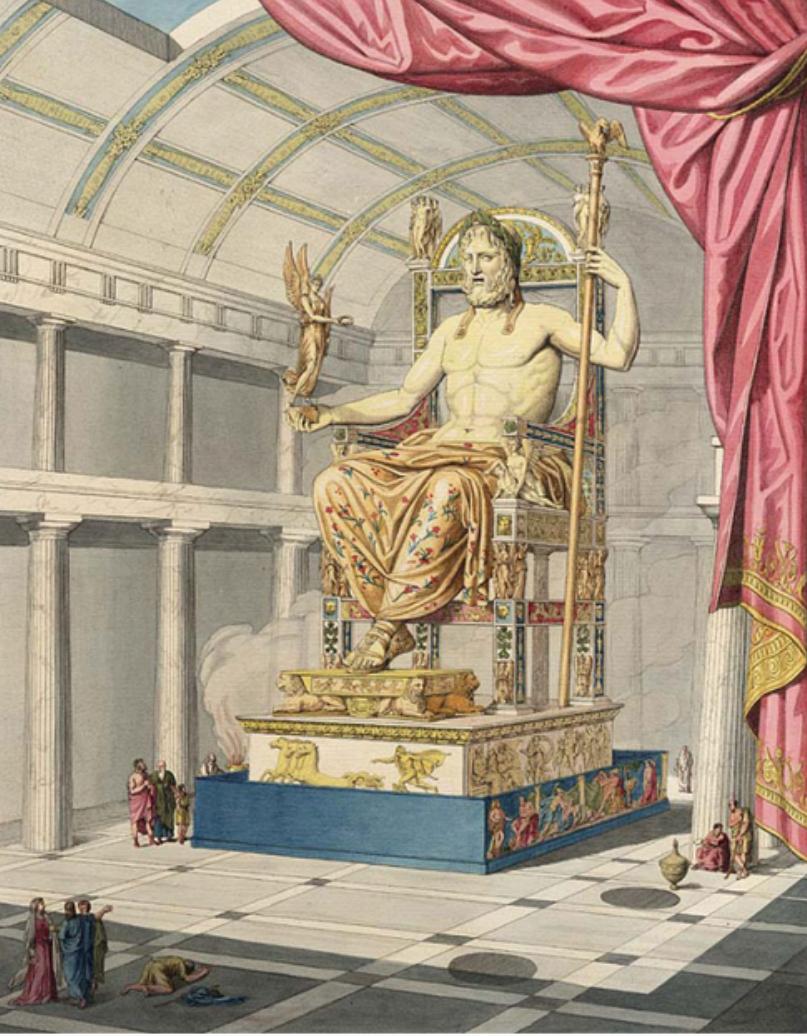


Submit

CURRENT STATE

Gamedle

For how many years did the Statue of Zeus stand before it was destroyed?



A detailed illustration of the Statue of Zeus at Olympia, showing the massive golden statue seated on a high, ornate pedestal. The statue is seated on a throne, holding a golden eagle in one hand and a golden scepter in the other. The pedestal is decorated with gold lions and relief carvings. The statue is set against a backdrop of a grand temple with columns and a red curtain. Several small figures of people are visible around the base of the statue.

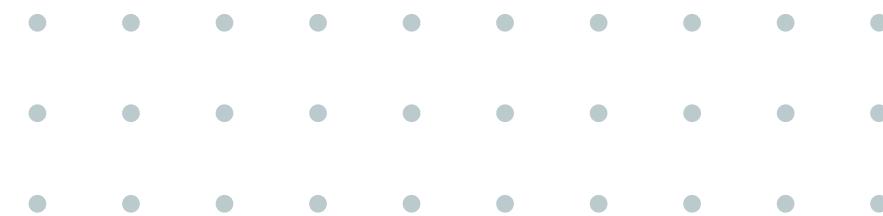
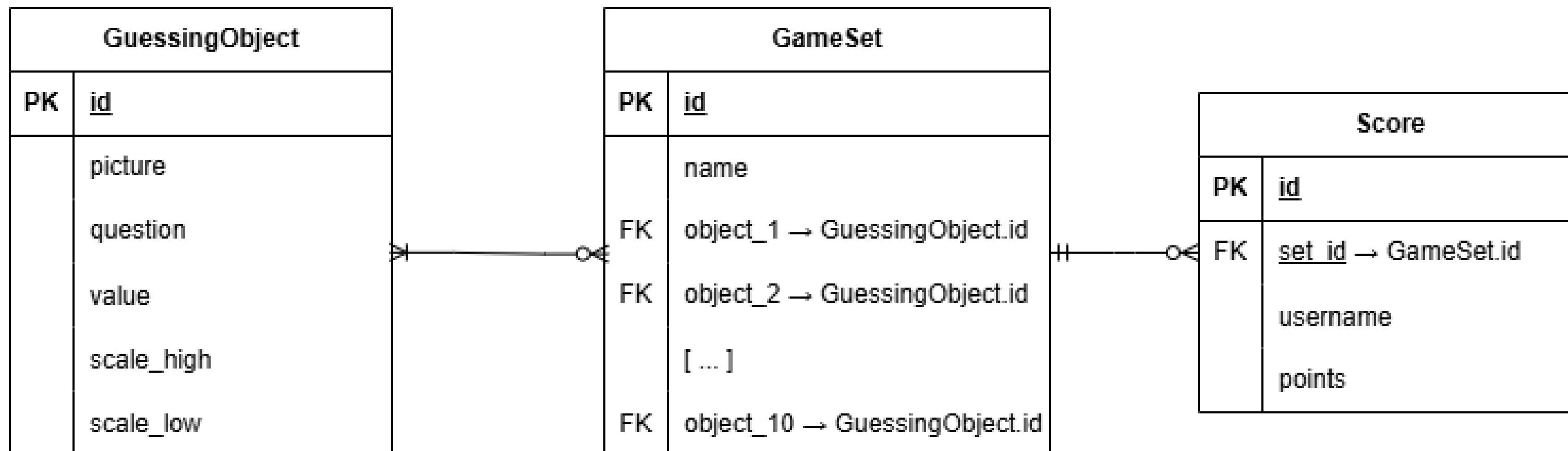
Submit



DESIGN DECISIONS



DATA MODEL



GUESSING OBJECT

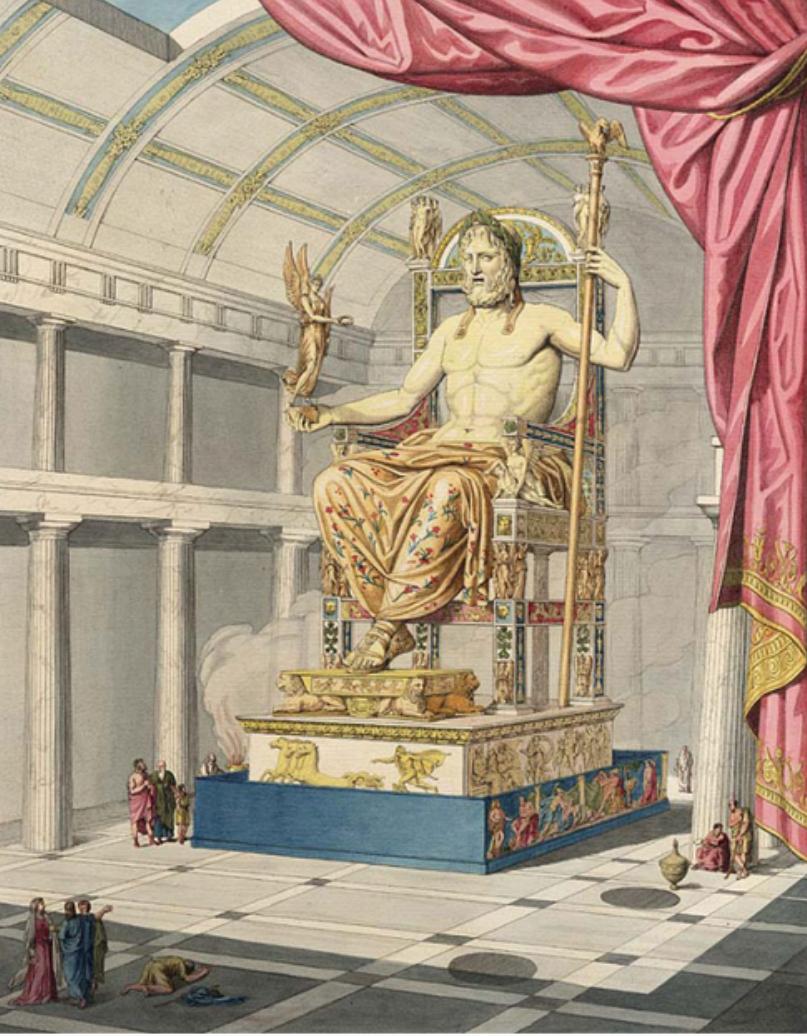
Gamedle

For how many years did the Statue of Zeus stand before it was **question** destroyed?

GuessingObject	
PK	<u>id</u>
	picture
	question
	value
	scale_high
	scale_low

GuessingObject	
PK	<u>23</u>
	pictures/Zeus.png
	For how many ... stand before it was destroyed?
	800
	1000
	0

picture



scale_low

scale_high

Submit

value

GUESSING OBJECT

The screenshot shows the SQLite Explorer interface in Visual Studio Code. The left sidebar displays the file structure of a project named "EIKE MERGE 2". The "OPEN EDITORS" section contains files like "SQLite", "Settings", "game_set_play.html", "game_set.html", "insert_sample.sql", and "home.html". The "SQL" editor tab is active, showing a table with 50 rows of data. The table has columns: id, picture, question, value, and scale_top. The first few rows of data are as follows:

id	picture	question	value	scale_top
1	pictures/Amazon.png	How many orders does Amazon process per second?	138.0	0.0
2	pictures/Apple.png	When was the first iPhone released to the public?	2007.0	2005.0
3	pictures/Bose.png	In which year was Bose founded?	1964.0	1950.0
4	pictures/ebay.png	How many employees did eBay have in 2023?	12300.0	1000.0
5	pictures/Google.png	What percentage of the world does Google Street View currently cover?	98.0	0.0
6	pictures/Meta.png	In which year did Facebook rename itself to Meta?	2021.0	2015.0
7	pictures/Microsoft.png	How many different Microsoft 365 apps currently exist?	27.0	0.0
8	pictures/Samsung.png	What percentage of Germans used a Samsung smartphone in Q4 2024?	34.0	0.0
9	pictures/Steam.png	How many daily active players did Steam average in 2021?	69000000.0	0.0
10	pictures/Tesla.png	In which year was Tesla founded?	2003.0	1950.0
11	pictures/Ronaldo.png	How many times has Ronaldo won the Champions League?	5.0	0.0
12	pictures/Messi.png	How many times has Messi won the Champions League?	8.0	0.0
13	pictures/Ger_worldcup.png	How many times has Germany won the World Cup?	4.0	0.0
14	pictures/Toni.png	What is Toni Kroos' passing accuracy percentage?	94.0	0.0
15	pictures/Bayern.png	What percentage of the world does Google Street View currently cover?	98.0	0.0
16	pictures/Bayern.png	How many consecutive times has FC Bayern Munich won the Bundesliga?	11.0	0.0
17	pictures/Schalke.png	What is the seating capacity of Schalke's Veltins-Arena?	62271.0	0.0

The bottom status bar shows the operating system as "Microsoft Windows [Version 10.0.26100.2605]" and the copyright notice "(c) Microsoft Corporation. Alle Rechte vorbehalten."

GAME SET

Gamedle X ⓖ

Home
Brands
Football
Ancient & Modern World Wonders
Human Body
Geography

Brands

In this Gameset you do A

Play

Football

In this Gameset you do B

Play

World Wonders

In this Gameset you do C

Play

GameSet

PK	<u>id</u>
	name
FK	object_1 → GuessingObject.id
FK	object_2 → GuessingObject.id
	[...]
FK	object_10 → GuessingObject.id

GameSet

PK	<u>3</u>
	Ancient & Modern World Wonders
FK	21
FK	22
	[...]
FK	30

SCORE

≡

When did this take place? (for example)

Total score: 8948

Enter your name:
Mike

More ×

Highscores

Quang:
7869

Eike:
5697

Emily:
3253

Hans:
1299

Score	
PK	<u>id</u>
FK	<u>set_id</u> → GameSet.id
	username
	points

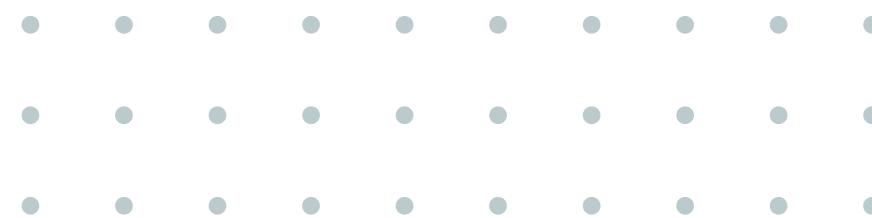
Score	
PK	18
FK	3
	Mike
	8948

Exit → ↵

UI DESIGN: BOOTSTRAP

Problem:

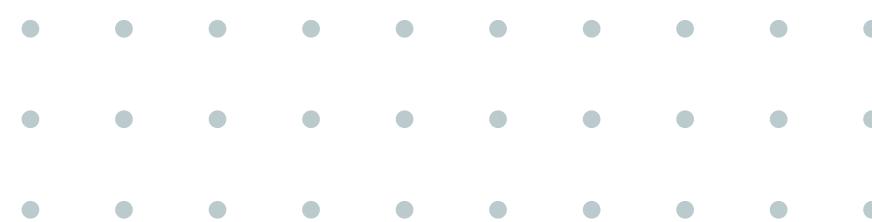
- Basic HTML & CSS is often very labour-intensive and repetitive
- Making a webpage look professional with core HTML & CSS is a challenging endeavour
- The wireframes created with Figma should be adequately recreated within our code



UI DESIGN: BOOTSTRAP

Decision/Solution:

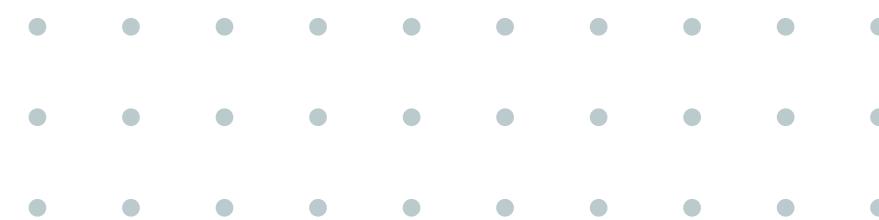
- Bootstrap almost completely replaces any CSS coding, freeing up a lot of time for other aspects of our project
- Bootstrap is visually appealing
- Bootstrap eliminates many of the annoying parts of formatting within html/css
- elements of Bootstrap can be mockuped with Figma and quickly applied to our own code



UI DESIGN: BOOTSTRAP

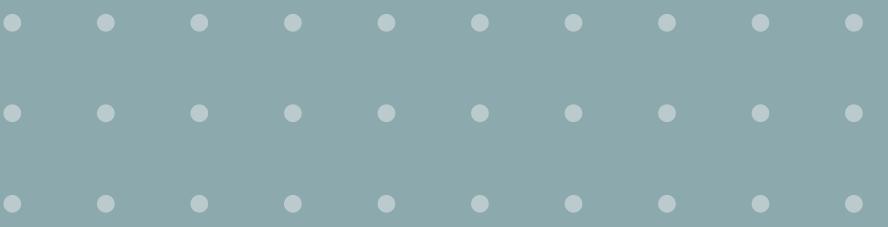
Regarded options:

- Basic HTML & CSS was used at the start but the effort to create visually appealing layouts was too high
- Bootstrap had to be adapted to fit our existing code, but we decided to adapt it for the ease of use scalability and optics



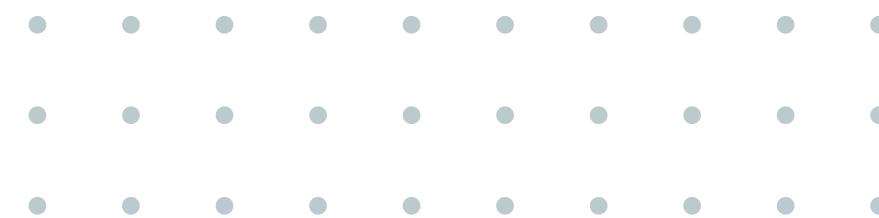


SCOPE AND PRIORITIES



NEXT STEPS

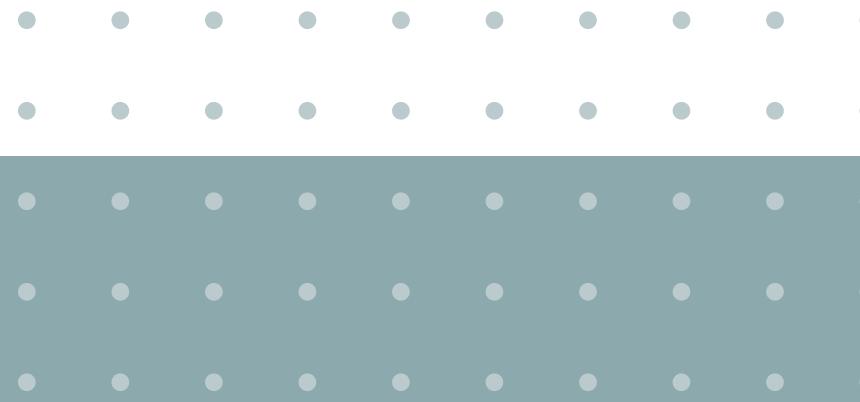
- implement game mechanics
- develop scoring system
- update user interface



FURTHER PLANS

- add an admin login for game creation (WTForms)
- add more game sets
- Game 2 (inspired by Costcodel)





THANK YOU

Do you have any question?

