

# ITECH PROJECT GUESS THE MOVIE

Team Bobi

# Idea

Our idea is to create a web application with a simple but interesting concept :

***Could anyone recognize a movie by seeing a single screenshot of it?***

The application is going to be a game that allows the users to have fun, chill and exercise their brain at the same time. Is that not cool?



# Give it a try ! Can you guess the movie ?







The Karate Kid  
(2010)

The Legend of  
Drunken Master

Kung fu Panda

The Karate Kid  
(1984)

# User Persona 1

 PICTURE & NAME	 DETAILS	 GOAL
 <b>Alice</b>	<p>She is 32-year-old mother of 3 children. She works for a major company based in Glasgow as a business analyst.</p> <p>She has busy lifestyle balancing between working and raising her kids. She almost has no free time.</p> <p>Her passion are movies, but rarely she has the chance to watch a whole one without being interrupted. She is a proud owner of a huge collection of DVDs.</p> <p>Another passion of hers is playing games. She likes to play the online with her friend. However, she does not like complex strategy games, but rather simple matching ones.</p>	<p>Alice would be able to combine two of her passions.</p> <p>She would be able to test her knowledge about different movies and find out about movies, she had not watched.</p> <p>Using the application, Alice would be able play together with her friends and to compare her knowledge with them.</p>

# User Persona 2



## PICTURE & NAME



Mark



## DETAILS

He is 21-year-old Film & TV student at University Of Glasgow. He is in his final year of studies.

He is a movie enthusiast and usually talks about movies while being with his friends. Luckily, most of his friends really likes movies as well.

Mark likes to set milestones to himself such as twatching all movies of a given director. Most recently, he has watched all the movies from Top 250 of IMDB.

He is really confident in his knowledge about movies and really likes to show off in front other people.



## GOAL

He would be able to test his knowledge about movies and also improve it.

Mark will possibly get inspired for new milestone to set to himself.

He would be able to show off by challenging his friends to play with him.

# Requirements “Guess the Movie”

- Users have to register in order to use the application. They have to provide a username, email and password during the registration.
- The user should be able to add a profile picture.



# Requirements “Guess the Movie”

- The user can play unlimited amount of game sessions per day.
  - Each game session consists of 10 multiple choice questions related to movies.
  - A screenshot from a movie is given to the user with 4 possible answers (only one of which is correct).
  - For each correct answer, the user will received a certain amount of points. Points will not be deducted if the user gives a wrong answer.
- If the user has answered correctly, he would be able to answers several bonus questions to get more points. This additional questions will be with higher difficulty and will bring more points.



# Requirements “Guess the Movie”

- The questions for each game session will be randomly generated using calls to external API.
- At the end of each session, the user should be presented with information about his performance (number of correct answers and points).
- The users scores will be stored in a database. The scores will be used to form 2 leaderboards:
  - “Todays Best Players” - ranking of the players base on their games for the day.
  - “All Time Best Players” - ranking of the players based on their all time games sessions.



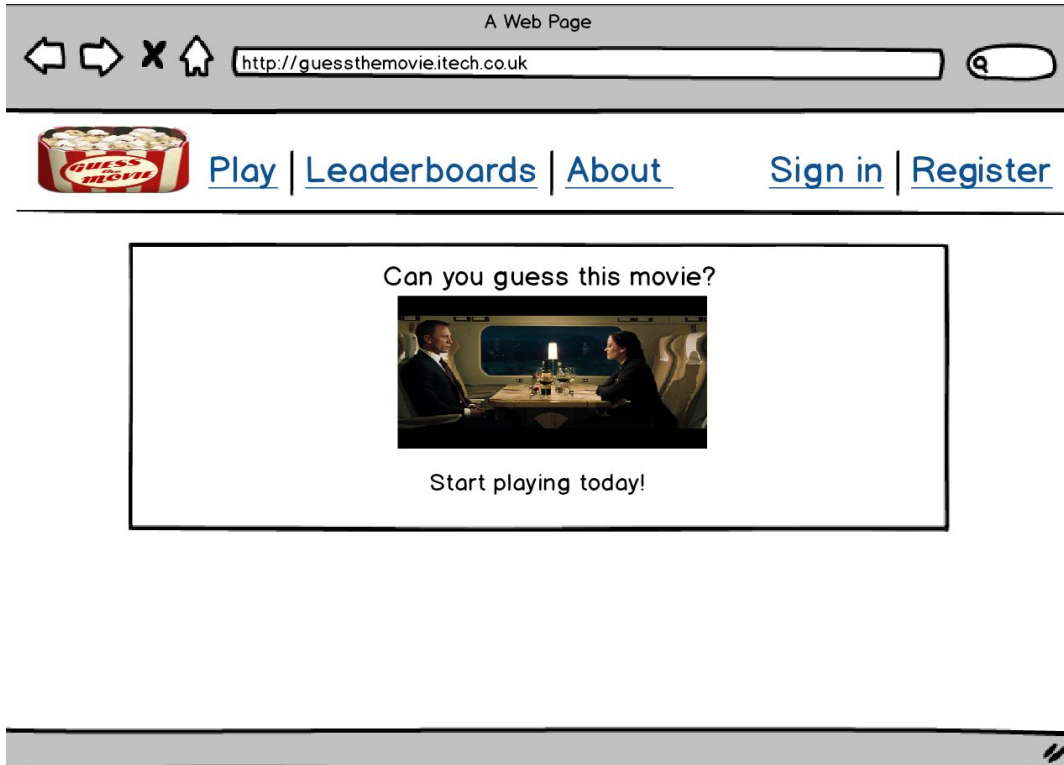


# Requirements “Guess the Movie”

- The main page should at least provide:
  - link to a page for starting a new game
  - link to a page with the rules of the game
  - link to a page with leaderboards
  - a list of the top 5 players of the day
  - a list of the all time top 5 players



# Wireframes




# Wireframes

A Web Page

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 [Play](#) | [Leaderboards](#) | [About](#)      Sign in | [Register](#)

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User name/Email

Password


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# Wireframes

A Web Page

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 [Play](#) | [Leaderboards](#) | [About](#)      [Sign in](#) | [Register](#)

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Username

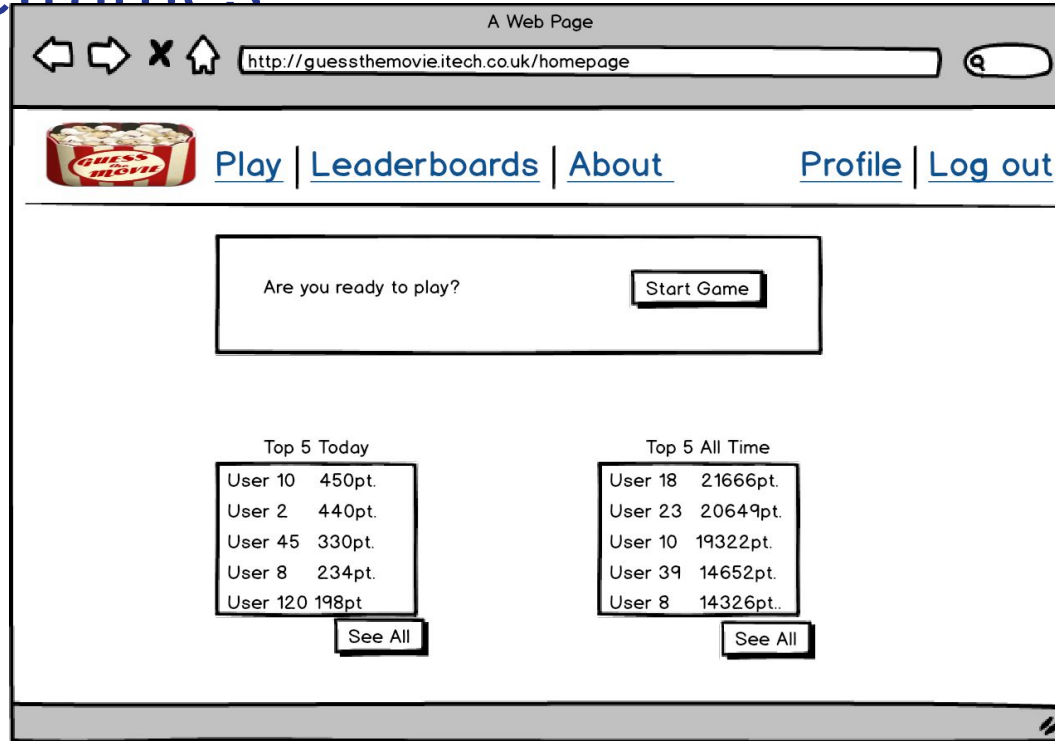
Email

Password

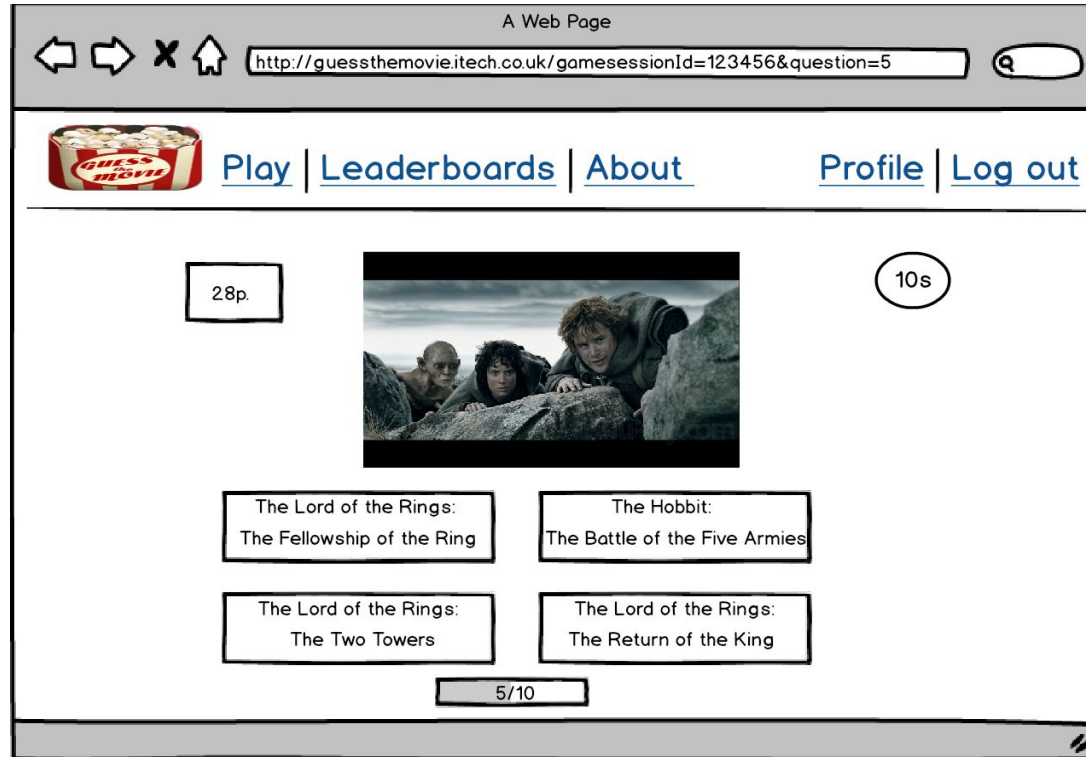
Confirm Password

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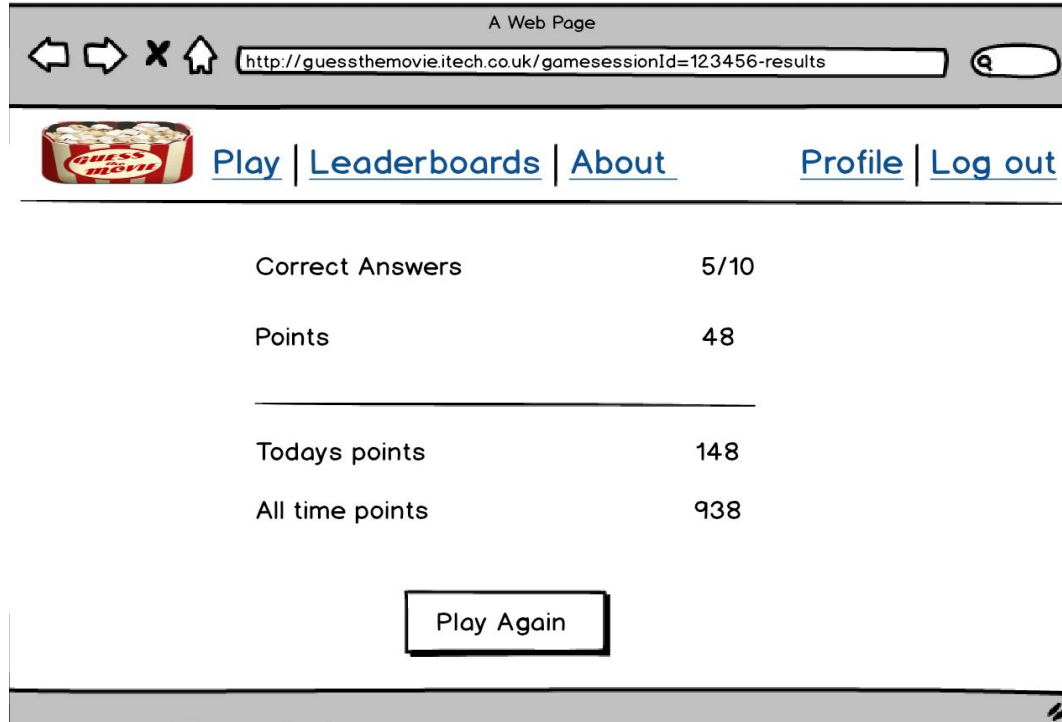
# Wireframes



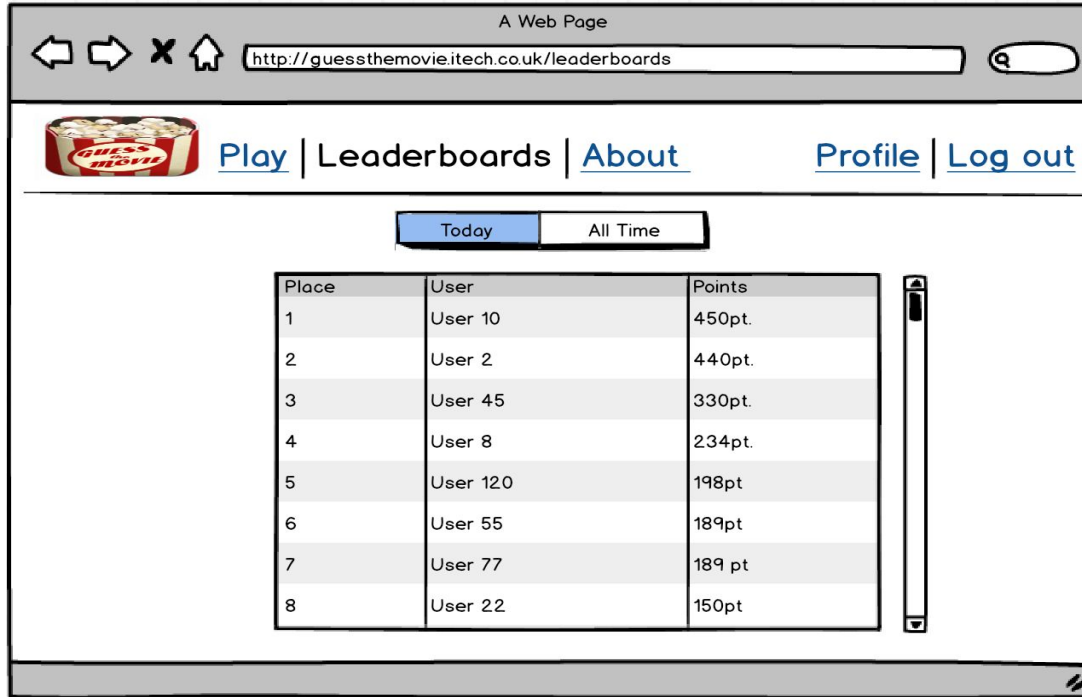
# Wireframes



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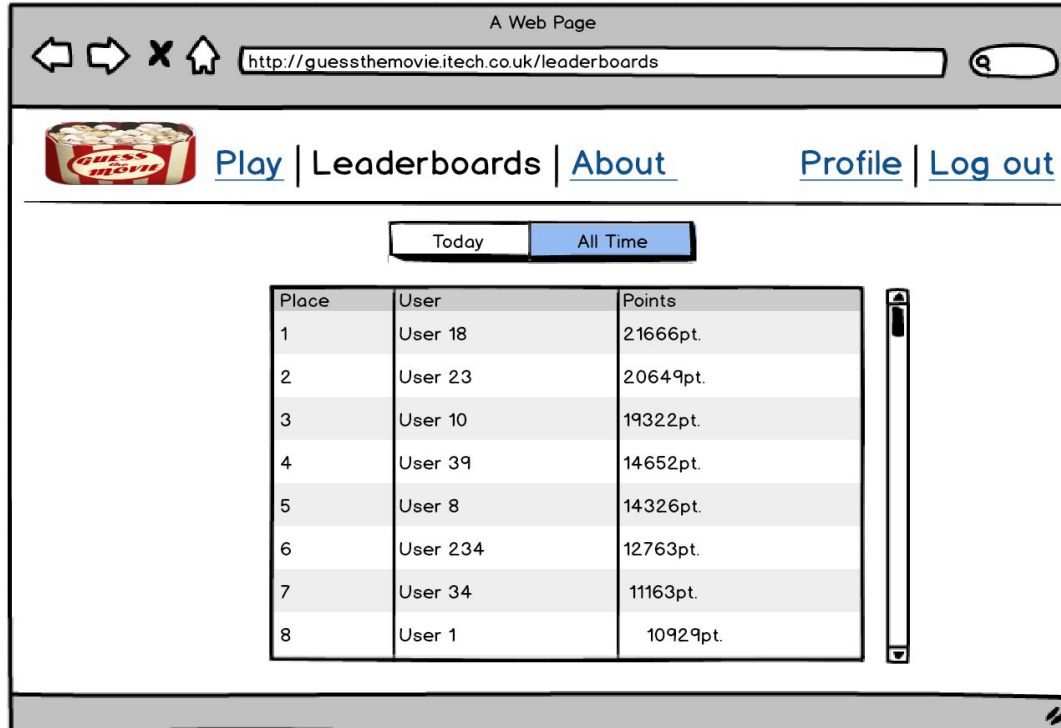


# Wireframes

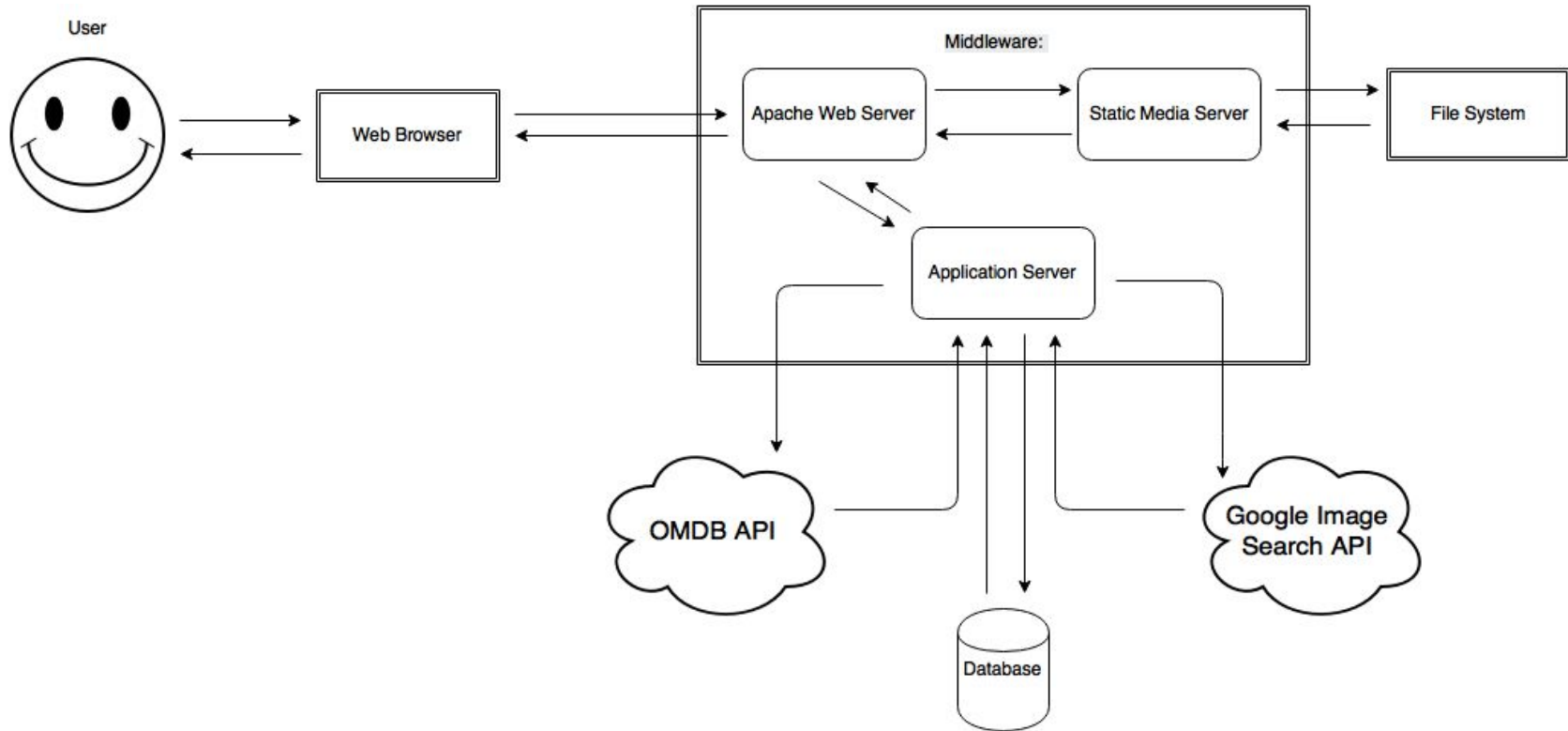




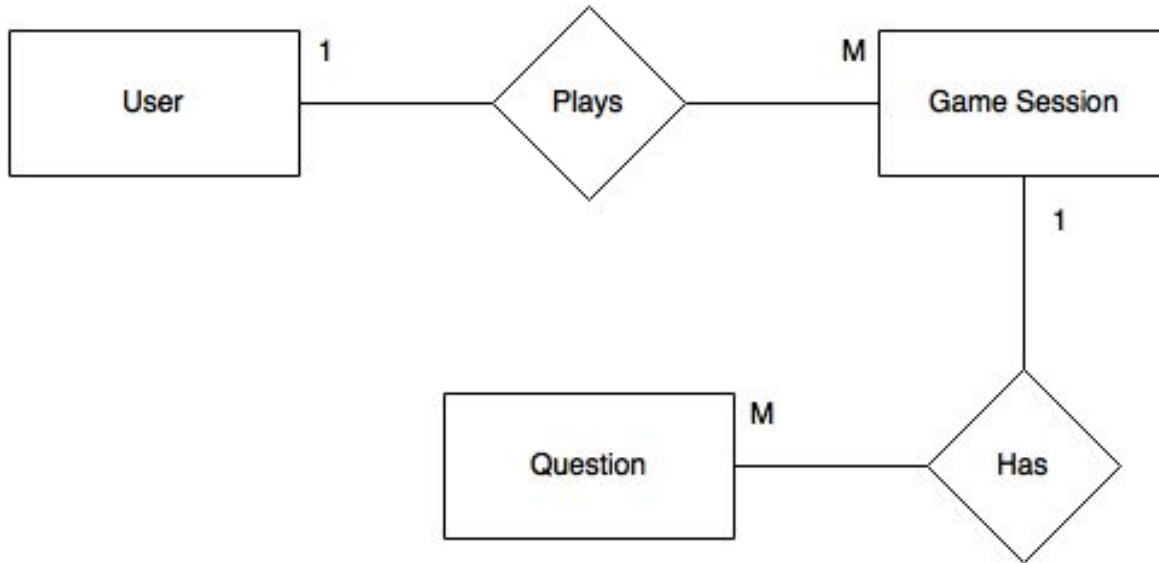
# Wireframes



# High Level Architecture



# ER Diagram



# Attributes

User	
Field	Type
User_ID	IntegerField, PK, Auto increment
Username	CharField(64)
Password	CharFiled(128)
Email	CharField(128)
Avatar	URLField
Game_Session_Counter	IntegerField
Total_Points	IntegerField

Question	
Field	Type
Question_ID	IntegerField, PK, Auto increment
Game_Session_ID	IntegerField, FK
Option_A	CharField(128)
Option_B	CharField(128)
Option_C	CharField(128)
Option_D	CharField(128)
Image	URLField
Correct_Answer	IntegerField
Selected	IntegerField

Game Session	
Field	Type
Game_Session_ID	IntegerField, PK, Auto increment
User_ID	IntegerField, FK
Timestamp	DateTimeField
Points	IntegerField

