Project Specification

Sprint Dashboard: **https://github.com/orgs/cmu-webapps/projects/13/views/1**

Team Members:

1. Rio Pacheco (riop)
2. Aditya Malhotra (adityam2)
3. Parardha Kumar (parardhk)

Product Backlog:

The platform will include the following components:

1. User
   a. Registration: Registering to play the game using Google OAuth.
   b. Log In: Log in using OAuth.
   c. Profile Page: Enables the user to add/modify their profile picture, add money to their in-app wallet.

2. We will have one main game that users can join after logging in.

3. Game Logic: Implement the core roulette game logic.
   a. Each user places a bet on a space and hits the confirm button.
   b. If a user does not place a bet after 1 minute, they cannot do so anymore. Once all users have placed a bet (except timed out users), the dealer spins the wheel.
   c. Websocket communication to show users who bet and confirmed.

4. User Profile:
   a. An option to upload a profile picture.
   b. Provide user profiles with achievements.

5. Payments and Transactions:
   a. We maintain each user's balance on the server in a wallet.
   b. User can deposit money using a Credit Card via Stripe Payments in Test Mode (https://stripe.com/docs/testing).
   c. User can also withdraw all of their balance. In our game, we will destroy the balance from the server but won't actually be performing a credit.

1st Sprint Backlog:

In this sprint, we will focus on creating each of the screens with mock data.

Name	Screens
Aditya Malhotra	User Register/Login User Profile & Statistics
Parardha Kumar	Pre-Game page
Rio Pacheco	Live Game Page

Product owner:

Rio Pacheco (riop)

Data models:

User (provided by Django)

Transactions
- ForeignKey: User
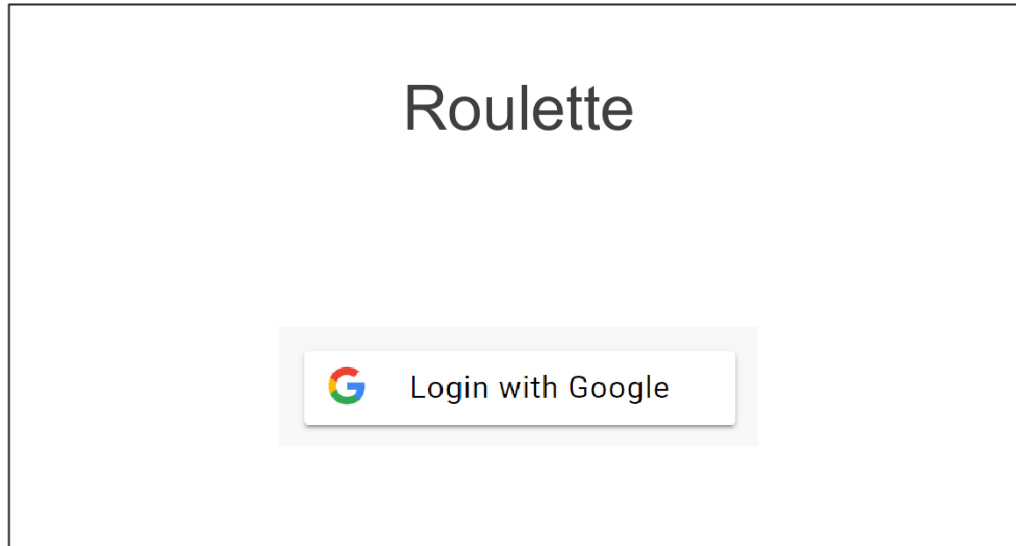- Enum: TypeOfTransaction
- Integer: Amount
- Enum: Status

Profile
- ForeignKey: User
- ImageField: ProfilePicture
- Integer: Account Balance

Achievements
- ForeignKey: User
- Integer: Total Bet Amount
- Integer: Won Amount
- Enum: Result

Wireframes / HTML Mock-ups:

Login Page:

Roulette

G   Login with Google

User Profile Page:

Change Profile Picture

John Doe

Member since October 28th, 2023

Wallet Balance: $50

Add to wallet

Card   iDEAL   bancontact

Card number

4242 4242 4242 4242   VISA

Expiration date   Security code

MM / YY   CVC

Pay $24.90

Withdraw

Your Achievements

1. Bet $5 on EVEN and won $10
2. Bet $250 on 1 to 18 and won $500
3. Bet $1 on 3 and won $2
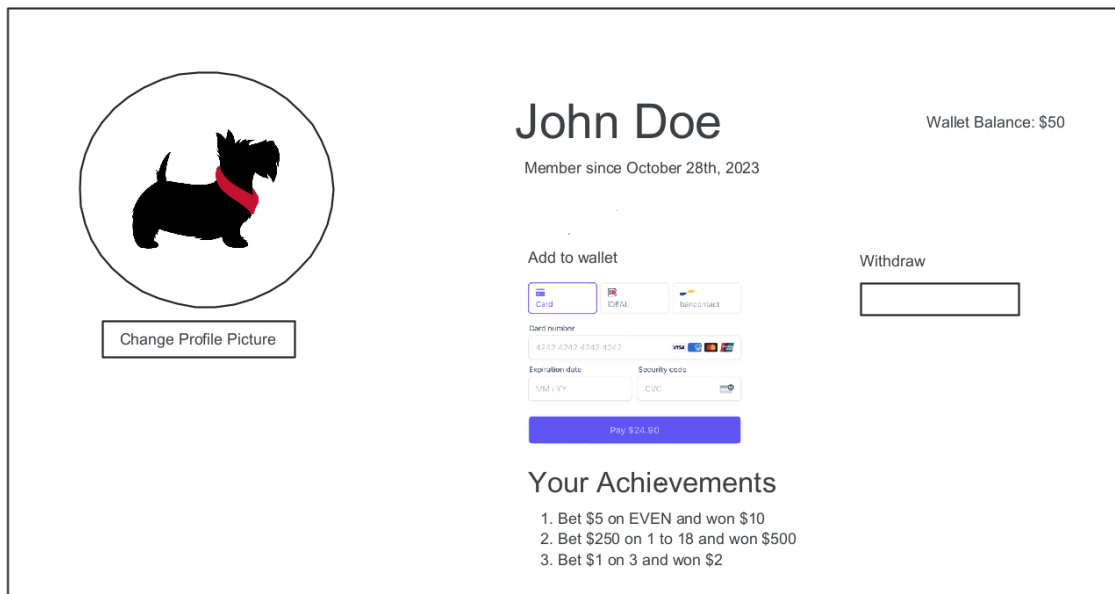
Pre-Game Page:

Pre Game Page

Wallet $500
Icon

UserName :)

ROULETTE
"Careful before you bet it all"

▷ PLAY

Only for 18+

Game Page:

Joined users:

Bob

Bob2

Bob3

Bob4

My profile

00
0

3 6 9 12 15 18 21 24 27 30 33 36 2to1
2 5 8 11 14 17 20 23 26 29 32 35 2to1
1 4 7 10 13 16 19 22 25 28 31 34 2to1

1ST 12   2ND 12   3RD 12
1 TO 18 | EVEN ◆ ◆ ODD | 19 TO 36

Confirm Bet

1 5 10 100 clear

1,000   0

User balance   Bet amount

You won/lost X dollars!