

Sprint 3

Requirements Artifact for 581 Casino Game - Ryan Grimsley, Mya Hoersdig, Henry Hoopes, Benjamin Stonestreet, Connor Williamson, Abdelrahman Amir Zeidan

1. System Overview

The Casino Simulator will allow users to log in or create an account online with blackjack as the initial game. Users will be able to gain points by winning games,

2. Functional Requirements

As a user, I want the leaderboard to update right after a game ends to clearly reflect my standing.

2.1. Dynamic leaderboard updates as games finish - Ben Stonestreet

FR 1.1 Upload stat changes to each player's account after game ends

FR 1.2 Update leaderboard page when player gets out of game

As a user, I want the ability to mark my friends on my account

2.2. Add ability to mark and unmark players as friends - Connor Williamson

FR 2.1 Add friends list to account model

FR 2.2 Add endpoint for marking a player as a friend

FR 2.3 Add endpoint for removing a player as a friend

FR 2.4 Add endpoint for accessing list of players friends

As a user, I want to see my active friends

2.3. Add ability to see list of friends- Connor Williamson

FR 3.1 Add element to navbar to see list of friends

FR 3.2 Add indicator to mark friends status

FR 3.3 Add page to see view accounts and add them as friends

FR 3.4 Add option to remove friend from list of friends

As a user, I want the ability to view other player's stats to know what my competitors' skill is in a game.

2.4. View other players' public stats - Ben Stonestreet

FR 4.1 Add endpoint for grabbing other players' stats

FR 4.2 Add page to search for player and view their stats

As a user, I want the ability to compare my opponents and my stats in a game.

2.5. Generate top-player list per game - Ben Stonestreet

FR 5.1 Track user stats in a game

FR 5.2 Return these stats to each player at the end of the game

FR 5.3 Add UI elements to display these stats

As a user, I want a storefront to purchase in game items with currency to decorate my account.

2.6. Create a store - Mya, Ryan, Zeidan, Michael

FR 6.1 Add 20 user icons

FR 6.2 Add 10 different colors for user color, including silver and gold at higher cost

- FR 6.3 Add fields to Account model for owned icons, owned colors, active icon, and active colors
- FR 6.4 Add api endpoints to purchase icons or colors with in game currency
- FR 6.5 Add page to use these endpoints / account fields to display currently owned items and allow users to buy the unowned ones

As a user, I want a dedicated page for viewing my stats and editing my account

2.7. Build account page with stats and settings - Mya, Ryan, Zeidan, Michael

- FR 7.1 Add account page that displays user icon, user colors, and user stats
- FR 7.2 Update account page to allow changing active icon and active color