

# Software Requirements and Design Document

For

Group <1>

Version 3.0

## **Authors:**

*Michael Clark, mtc21c, MichaelClarkFSU*

*Nathan Waring, naw21d, Nathanawaring*

*Phillip Sheng, sxs22, KPCOFGS*

*Christian Riley, car21p, ChristianAR39*

*Jose Ibarra: jfi21, 7JP10*

## 1. Overview (5 points)

Give a general overview of the system in 1-2 paragraphs (similar to the one in the project proposal).

## 2. Functional Requirements (10 points)

1. Users will be able to place a bet on a sporting event – High
2. Users will be able to log in using valid credentials – High
3. Users will be able to create an account – High
4. Users can claim currency for free using a built in reward system - High
5. Bets and sporting events will be refreshed every 24 hours after a sporting event has concluded – Medium
6. Users can access resources for gambling addiction through the homepage – Low

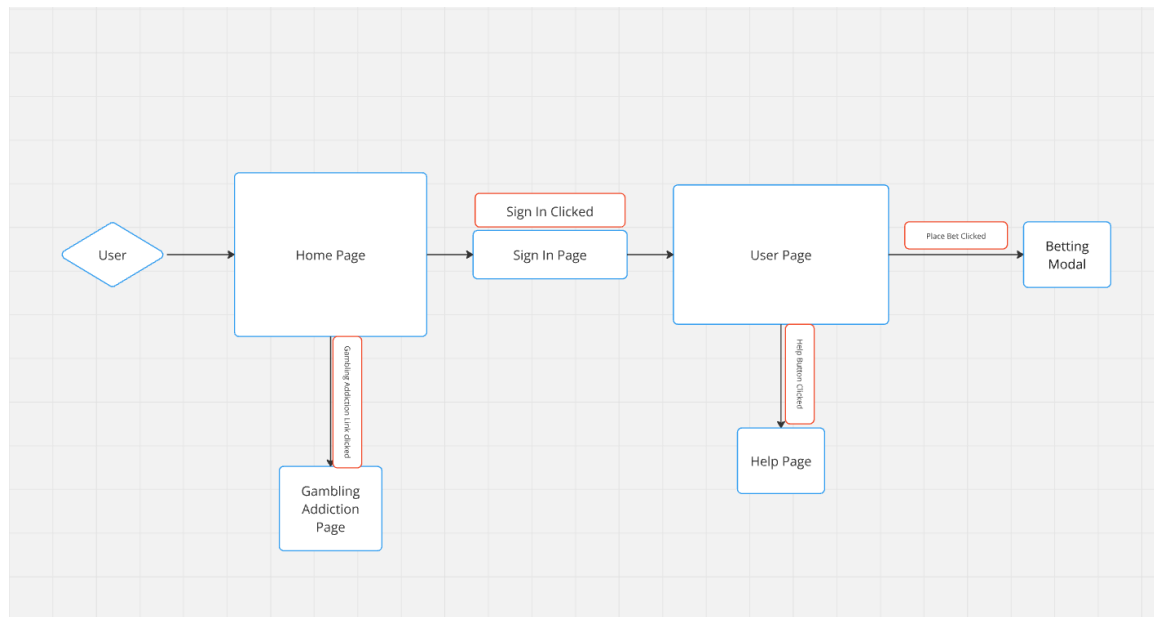
## 3. Non-functional Requirements (10 points)

1. Usernames will not be repeated.
2. Email will not be repeated.
3. Ability to find lost password securely
4. Bets are cashed out less than 24 hours after a match has concluded
5. Site will be easy to use and browse

## 4. Use Case Diagram (10 points)

This section presents the **use case diagram** and the **textual descriptions** of the use cases for the system under development. The use case diagram should contain all the use cases and relationships between them needed to describe the functionality to be developed. If you discover new use cases between two increments, update the diagram for your future increments.

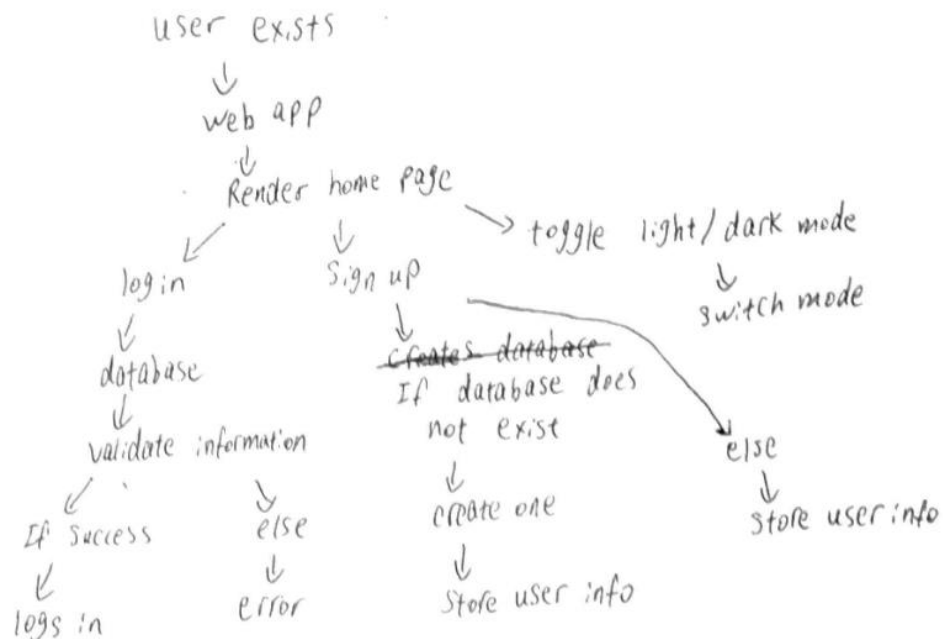
**Textual descriptions of use cases:** For the first increment, the textual descriptions for the use cases are not required. However, the textual descriptions for all use cases discovered for your system are required for the second and third iterations.



Use Cases:

1. Users can navigate to the home page
2. Users click sign in
3. Users go to the gambling addiction page
4. Users can navigate to the betting modal
5. Users can navigate to the betting assistance page

## 5. Class Diagram and/or Sequence Diagrams (15 points)



## 6. Operating Environment (5 points)

Windows 10 and 11, MacOS, Linux. Must have Python installed and a working browser. API must also work

## 7. Assumptions and Dependencies (5 points)

API is expired or removed by the third party platform. Flask gets taken off from PyPI, Python gets taken off, a browser update that prohibits user from loading localhost, or an operating system update that affects the use of the computer