BetBuddy

Version <1.0>

Revision History

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| 30/09/2022 | 1.0 | First Draft | Aaron Reith |
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# Introduction

## Purpose

The purpose of this document is to describe the requirements specifications for the BetBuddy, our betting tool for sports bettors.

The intended audience of this document includes the makers of BetBuddy, along with any other persons helping in development and/or support.

## Scope

The mobile application to be produced is a bet manager application, which will be referred to as “BB” for BetBuddy throughout this document.

BB will allow bettors on the go access to log any new bets placed to keep a cohesive record of their prior bets. BB will also allow bettors to view a variety of associated statistics to help inform them about their successes and failures to improve their chances of betting success.

BB could be used by any bettor with a device that has access to the google play store, to record their bets. The objective of BB is to store all the user’s betting data in one place that allows them to see what bets are succeeding and which are not. The goals are to help bettors make more informed bets to maximize profitability. The users use BB to record and track their bets. The system stores the user’s history and generates associated statistics and graphs.

## Definitions, Acronyms, and Abbreviations

BB: BetBuddy

## References

None.

## Overview

The rest of this document contains an overall description of the BetBuddy mobile application (section 2), and the specific requirements for the application (section 3).

# Overall Description

## Product perspective

BetBuddy is a mobile app that provides a log of bet history and informational graphs created using the extrapolated data to advise the customer of their betting tendencies and financial returns, which equips the user with the knowledge needed to create and maintain a stable, profitable return on investment.

### System Interfaces

BB is a standalone application that is meant to supplement the users sports betting. It has two major components: Track History and View Stats.

Track History is the primary function of the application allowing users to input their sports betting data. This then saves the data to the system allowing the user to View their statistics.

### User Interfaces

Track History and View Stats must provide a user interface as they are the two primary ways the user interacts with the application.

### Hardware Interfaces

All hardware components are a part of the user’s mobile device.

### Software Interfaces

The user’s mobile device must be running a version of Android 5.0 or later to use BetBuddy.

### Communication Interfaces

The system must be able to communicate with the storage on the user’s device for the importing and exporting of user data.

### Memory Constraints

There is no memory constraint at the current time.

### Operations

The operation of BB must be easy and intuitive for the sports better to use. No specific information must be required to use the tool.

## Product functions

The two main functions for a user of BetBuddy is being able to track their betting history and then view the associated data/graphs.

Tracking betting history includes creating new bets, editing existing bets, and deleting existing bets. Each requires the user to implicitly communicate with the system through the importing and exporting of input data to be accessed later.

Viewing associated data and graphs is straight forward in that the user can view their statistics associated with their betting, which includes graphs depicting various aspects of their tendencies. The user is also able to view their profile, which the system creates to give more subjective information that would not fall underneath the statistical umbrella. The largest part of this is identifying the type of bettor that the user is, which is determined through a combination of different parts of their betting tendencies.

All data is stored on the device and is imported and exported by the system/application itself, thus no internet connection is required.

## User characteristics

Users are bettors familiar with sports betting and understand betting terminology but presumably want to know more about their tendencies and other deeper data not normally available through traditional betting applications/services.

## Constraints

The system will require that the user input data that is within the scope of an actual sports bettor, i.e., not allowing betting odds that cannot exist or negative money bet.

## Assumptions and dependencies

No specific assumption or dependencies.

# Specific Requirements

## Menu

### The menu should load upon startup of the application.

#### The BetBuddy name shall be displayed on the menu screen.

#### A button each for the “Track History” and “View Stats” shall be on the menu.

### When a user presses one of the two buttons, the user is then sent to the associated package immediately.

## Track History

### Track History shall be one of two options presented to the user on the menu screen.

### Upon selecting the Track History, BB will display a new screen with a log of their bet history and four options to “Edit”, “Input New”, “Back”, or “Search”.

#### *The bet history log will be presented from top to bottom in order of newest to oldest.*

### Upon selecting the “Edit” option, the user will be able to update any aspect of their bet which includes odds and then input whether they won or lost their bet.

#### *Users will have the ability to completely delete the bet from the log.*

### Upon selecting the “Input New” option, users will be able to add a new bet to the history log.

#### *The system will ask for information in a clear, spaced way so as not to overwhelm the user.*

### Upon selecting the “Search” option, users will be able to use keywords to provide them with a narrowed down version of their bet history.

### Track History will display a drop-down menu for classifying types of bets.

### Track History will display a second drop-down menu for changing bets shown based on the selected time.

### Upon selecting the “Back” option, users will be returned to the menu.

## View Stats

### View stats shall be the second of two options presented to the user on the menu screen.

### When the user selects the View Stats button, they will be presented with a new screen.

### View stats will always present the user with a button option to View Graphs.

#### When the user selects the View Graphs button, they will be directed to a new screen displaying graphical data of their betting statistics.

#### The user will be able to go back to the View Stats interface with the pressing of a back button.

### View stats will always present the user with a second button option to View Profile.

#### When the user selects the View Profile button, they will be directed to a new screen displaying the user’s profile.

#### The user will be able to go back to the View Stats interface with the pressing of a back button.

### View stats will always display a drop-down menu classifying types of bets.

### View stats will always display a second drop-down menu for changing bets shown based on time.

### Upon classification of bet type, and time by the user, view stats will display all data meeting the classification criteria.

### View stats will always display a back button.

# Classification of Functional Requirements

|  |  |
| --- | --- |
| **Functionality** | **Type** |
| *3.1.1* The menu should load upon startup of the application | **Essential** |
| *3.1.1.1* The BetBuddy name shall be displayed on the menu screen | **Essential** |
| *3.1.1.2* A button each for the “Track History” and “View Stats” shall be on the menu | **Essential** |
| 3.1.2 When a user presses one of the two buttons, the user is then sent to the associated package immediately. | **Essential** |
| *3.2.1* Track History shall be one of two options presented to the user on the menu screen. | **Essential** |
| *3.2.2* Upon selecting the Track History, BB will display a new screen with a log of their bet history and four options to “Edit”, “Input New”, “Back”, or “Search”. | **Essential** |
| *3.2.2.1* The bet history log will be presented from top to bottom in order of newest to oldest. | **Desirable** |
| *3.2.3* Upon selecting the “Edit” option, the user will be able to update odds and input whether they won or lost their bet. | **Essential** |
| *3.2.3.1* Users will have the ability to completely delete the bet from the log. | **Essential** |
| *3.2.4* Upon selecting the “Input New” option, users will be able to add a new bet to the history log. | **Essential** |
| *3.2.4.1* The system will ask for information in a clear, spaced way so as not to overwhelm the user*.* | **Desirable** |
| *3.2.5* Upon selecting the “Search” option, users will be able to use keywords to provide them with a narrowed down version of their bet history. | **Desirable** |
| *3.2.6* Track History will display a drop-down menu for classifying types of bets. | **Essential** |
| *3.2.7* Track History will display a second drop-down menu for changing bets shown based on the selected time. | **Essential** |
| *3.2.8* Upon selecting the “Back” option, users will be returned to the menu. | **Essential** |
| *3.3.1* View stats shall be the second of two options presented to the user on the menu screen. | **Essential** |
| *3.3.2* When the user selects the View Stats button, they will be presented with a new screen. | **Essential** |
| *3.3.3* View stats will always present the user with a button option to View Graphs. | **Essential** |
| *3.3.3.1* When the user selects the View Graphs button, they will be directed to a new screen displaying graphical data of their betting statistics. | **Essential** |
| *3.3.3.2* The user will be able to go back to the View Stats interface with the pressing of a back button. | **Essential** |
| *3.3.4* View stats will always present the user with a second button option to View Profile. | **Essential** |
| *3.3.4.1* When the user selects the View Profile button, they will be directed to a new screen displaying the user’s profile. | **Essential** |
| *3.3.4.2* The user will be able to go back to the View Stats interface with the pressing of a back button. | **Essential** |
| *3.3.5* View stats will always display a drop-down menu classifying types of bets. | **Essential** |
| *3.3.6* View stats will always display a second drop-down menu for changing bets shown based on time. | **Essential** |
| *3.3.7* Upon classification of bet type, and time by the user, view stats will display all data meeting the classification criteria. | **Essential** |
| *3.3.8* View stats will always display a back button. | **Essential** |

# Appendixes

None.