

Software Requirement Specification

Awesome Blackjack Game

Functional Requirements:

Core Game Functions

ID: FR1

Story: As a player I want to shuffle cards so I can know the randomness.

Estimate: 5

AC: 1. Have the deck shuffle every round

ID: FR2

Story: As a player I will like to set of rules I can play by.

Estimate: 13

AC: 1. Have at least 3 poker rules

2. A user can pick rules at the begging of a game

3. A user can change rules in between rounds.

ID: FR3

Story: As a dealer I want to deal cards so I can initiate a new game.

Estimate: 2

AC: 1. Deal cards at the beginning of every round

2. Cards are dealt during the flop and other poker terms.

ID: FR4

Story: As a dev team I want to implement an AI so I can create opponents of various difficulties

Estimate: 100

AC: 1. There are at least three difficulties: easy, medium, and hard.

2. The difficulty can be changed in between rounds

ID: FR5

Story: As a player I want to see the cars being dealt so I can understand what is happening

Estimate: 8

AC: 1. Cards being dealt are animated

ID: FR5

Story: As a player I want big or small blinds to be able to call, raise, or fold so I can have meaningful gameplay

Estimate: 5

AC: 1. The player has the ability to select call

2. The player has the ability to select raise

3. The player has the ability to select fold

ID: FR5

Story: As a player I want to have a main menu and settings so I can customize my playing experience

Estimate: 13

AC: 1. There is a menu when the game starts

2. There is a settings option on the menu

3. You can access this menu from other places like in game or the settings menu

Non-Essential Functions

ID: FR6

Story: As a player I would like a rule book so I can understand the rules of the game.

Estimate: 3

- AC: 1. There are rules for every game mode option
2. The rules can be accessed anywhere.

ID: FR7

Story: As a player I want to be able to choose graphic options.

Estimate: 4

- AC: 1. There is a card skin option
2. You can control FPS.
3. You can change the table color

ID: FR8

Story: As a player I wanted tutorial so I can know how to play

Estimate: 8

- AC: 1. The tutorial explains poker basics
2. You can access the tutorial from the main menu

ID: FR9

Story: As a card I want to change skin so I can look different

Estimate: 1

- AC: 1. Have multiple basic skin options
2. The user can change the skin before, during, and after games.
3. A user can upload a new skin.

ID: FR10

Story: As a player I want royalty free music so I can have a better atmosphere

Estimate: 3

- AC: 1. There is a way to skip songs
2. You can pick favorite songs
3. You can control their volume.
4. There is a way to view the song title and artist.

ID: FR11

Story: As a player I want to be able to play against AI so I can practice without using real money

Estimate: 20

- AC: 1. The AI has multiple difficulty settings

Legal Requirements

ID: FR12

Story: As a company we want to provide access to a gambling addiction hotline so we can protect ourselves from liability

Estimate: .5

- AC: 1. There is a link to a website for help
2. There is a toll free phone number.