**Individual Project**

**Requirements**

**Software Engineering**

**beer.io**

**Fontys**

**University of Applied Sciences**

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# Version Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** | **State** |
| 1.0 | 16.09.2021 | Kristian Savov | Created document | Done |
| 1.1 | 23.09.2021 | Kristian Savov | * Updated user stories * Added Estimations | Done |

# Distributions

|  |  |  |
| --- | --- | --- |
| Version | Distribution Assignees | Date |
| 1.0 | Jacco Snoeren | 17.09.2021 |
| 1.0 | Onno Marsman | 17.09.2021 |

# Introduction

This document is meant to acquaint the reader with the requirements for the project called “beer.io”.

The project will be developed in an educational environment in Semester 3, for Fontys University of Applied Sciences, in the Software Engineering course. Due to its educational nature, there will be no monetary gain and it can be fully freely distributed.

“beer.io” is an online multiplayer game intended for competitive online gamers and beer enthusiasts. It is a fun way to relax after a long day at work and spend time with like-minded people. Every user will have the opportunity to show off their diverse collections of beer available for gathering from within the game. Moreover, a player will be able to compete with other users by comparing their scores and hard-to-obtain beer collections. Players will be able to leave a review for the beers they have collected.

# User Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **User Story** | **Requirement** | **Acceptance Criteria** | **Priority** | **Estimation** |
| As a player I would like to move my character across the map so I can explore the map and score points | Player movement | Given that I am logged into my account, and I have joined a game, when I click the arrow keys on my keyboard, my character will move in the corresponding direction | Must | 1 day |
| As a player I would like to collect different types of beers for my collection so I can increase the size of my collection. | Adding items to collection | Given that I am logged into my account, and I have joined a game, when I move my character across the map and collect beers, then my collection will increase with the beers I have collected. | Should | 1 – 2 days |
| As a player I would like to collect items across the map so I can score points. | Scoring points | Given that I am logged into my account, and I have joined a game, when I move my character across the map, and collect items, then my score will increase the more items I collect. | Should | 1 day |
| As a user I would like to start a new game so I can play the game. | Start new game | Given that I am logged into my account, when I click on the Start game button, then a new game will be created, and I will be joined to that game. | Must | ½ day |
| As a user I would like to join an already existing game so I can play the game. | Join existing game | Given that I am logged into my account and another user has created a game, when I enter the code to the game and press Join game button, then I will be able to play in that game with the players that have already joined. | Should | 1 day |
| As a user I would like to see the scoreboard so I can see the player rankings. | View scoreboard | Given that I am logged into my account, when I click on the Scoreboard button, then I will see what scores other people have achieved. | Must | 1 day |
| As a user I would like to see my collection so I can check the types of beers I have collected. | View collection | Given that I am logged into my account, and I have collected any beers in my collection, when I click on the button to See my collection, then all the different beers I have collected while playing will be displayed. | Should | ½ day |
| As a user I would like to only play with beers from a specific country. | Playing with a specific beer only | Given that I am logged into my account, when I start a game and select a country from the list, then I will play with only beers from the country I have selected | Should | 1 day |
| As a user I would like to post a review for a certain beer I have collected | Posting review for a beer | Given that I am logged into and I have any beers collected, when I select a beer and write something in the review field and press submit, then this beer will have a review assigned to it. | Must | 1 day |
| As a moderator I would like to add a new beer to the game. | Adding beer to the game. | Given that I am logged into my account, when I click the Add beer button and I enter the needed details, then a new beer will be added to the game. | Should | 1-2 hours |
| As a user I would like to register so I can play the game. | Registration | Given that I input all the correct data for registration, when I click the Register button, then an account with the entered data is created and I can play the game. | Must | 1-2 hours |
| As a user I would like to log into my account so I can play the game. | Logging into account | Given that I input the correct email and password for logging in, when I click the Login button, then I am allowed to access my account. | Must | 2-3 hours |
| As a user I would like to change my email for my account so I can log in with a different email. | Changing account email | Given that I enter an email different to the one I am already using to log into my account, when I click the change email button, then I will be able to log in using the new email. | Could | 1-2 hours |
| As a user I would like to change my password for my account so that I can log in with a different password. | Changing account password | Given that I enter a password, meeting the criteria, when I click the change password button, then I will be able to log in using the new password I entered. | Could | 1-2 hours |
| As an admin I would like to delete a user's account so that this user no longer exists. | Delete user’s account | Given that I have chosen a user to delete, when I click the delete button for that user, then that user will no longer exist, and they will not be able to log in anymore. | Should | ½ day |