

## Backlog (Group 48)

### Must Have

- Multiplayer game mode
  - 6 player cap?
- Single Player game mode
- In game leaderboard with participating players
- Single player leaderboard (Past games, personal best)
- A waiting room
- It must support parallel games
- An in game timer
- GUI
- Waiting room accumulates, not multiple instances
- Random selection for the questions in each game, no duplicates

### Should Have

- More points for faster answers
- In game jokers
  - split time
  - double point for question
  - remove some answers
- Unique name per player
- Around 20 questions each game
- Random selection for the questions in each game
- 3 MCQ per round
  - ability to choose one and mark as final
- Communication with other players through emotes
  - 4 basic emotes

## Could Have

- Everybody in the waiting room can start the game
- In game music
- Music for the waiting room

## Won't Have

- Account management system
- Ability to restore ongoing game upon server shut down
- A chat system
- Open questions

## Non-Functional Requirements

- Database is designed to be able to hold necessary information about the questions
- The database is normalized and avoids redundancies
- Gameplay should be devoid of exploits
- Communication between server and players should be fast
- A question generator
- A project license
- Portability
  - The program works on different operating systems and technologies (For instance by using Docker)
- Scalability
  - It can be changed easily to meet the users' needs, does not need to be fully redesigned
- Usability
  - To make sure that all our users can easily use the program (Like having a readable font by considering users who might not have a good eyesight)

# User report based backlog

## Must Have

- As a user I want to be able to play with other users in a concurrent game
- As a user I want to be able to play on my own
- As a user I want to see the ranking of players based on their score in the current game
- As a user I want to know when I am actively waiting for a game
- As a user I want to know how much time I have left to answer the question
- As a user I want to navigate the game with graphical elements

## Should Have

- As a user I should be awarded more points for fast answers
- As a user I should be able to use power ups to create unique gameplay
- As a user I should be able to choose a unique username
- Users should answer ~ 20 questions per game
- As a user I should have several options to choose for an answer for a question
  - 3 answer/ question
- As a user I should be able to use emotes to communicate with other players on a basic level

## Could Have

- As a user If I am first to join a lobby or I am the only one in it I should be able to decide when to start the game (otherwise automatically start when lobby is full?)
- As a user I might want in game music to play
- As a user I might want to have music playing while waiting for a game to start

## Won't Have

- As a user I do not want to be able to have a unique account with log in credentials and options to manage it so that it would be easy / faster to play

- As a user I do not want to be able to chat with other players during the game so that I won't get disturbed by the others
- As a user I do not want open questions on the game, so that the grading will be more clear