

Release Plan

Product name: Kakaw

Team name: Kakaw Team

Release name: Kakaw Release Plan

Release date: by Final's Week (06/12/2023)

Revision number: 1.0

Revision date: 04/10/2023

High level goals:

- Be able to connect via QR or numerical code and complete a quiz.
- Be able to create, edit, share, and delete quizzes.
- Be able to import quiz questions and answers.
- Be able to participate in live quizzes with multiple choice answers

User Stories:

As a (user role) I want (goal) so that (reason)

- Independent
- Negotiable
- Valuable
- Estimable
- Sized appropriately
- Testable

Users

- Teachers
- Students (as creators)
- Students (as players)
- Elementary, Middle, and High School, College level students

Stories (organized)

Minimum Viable Product: (sprint 1)

- [1] Import/export quiz
 - (1) As a Teacher, I want to save quizzes in some sort of file so I can import them later [2]
- [2] Select quizzes to play through
 - (2) As a student, I want to be able to connect to and complete quizzes so that I can supplement my studying with other students. [5]
- [3] Code generation for joining
 - (3) As a Teacher, I want to generate alphanumeric join codes so that I can provide students with a means to join quiz sessions. [2]
- [4] Connect to server
 - (4) As a teacher, I want to have an easy and reliable way to host live quizzes so that I can guarantee my students will have access. [8]
- [5] Unique id (username?)
 - (5) As a student, I want to be able to set and change my username so that I can make myself an identifiable competitor in the class. [1]
- [6] Students can select answer choices
 - (6) As a student, I want to select what I think is the best answer out of some answer choices given to me so that I can participate in the quiz. [3]
- Functional ui [5]

Features: (sprint 2)

- Scoring
 - As a student, I want to be able to view the score of other students, including my own, so that I can gauge how well I understand the material relative to other students. [3]
- Leaderboard
 - As a Professor, I want to view the quiz results as grades/scores so that I can understand how well my class understands the material. [2]
- Timer for questions

- As a teacher, I want a timer so that I can maintain a consistent pace on the quiz. [2]
- As a student, I want questions to have a timer displayed somewhere so I can answer questions before time runs out [2]
- Decent ui
 - As a professor, I want to be able to experience a fully functional question editor [5]
 - As a student, I would like buttons to be in intuitive places, and be well labeled [2]
 - As a teacher, I want to be able to add images and videos to the questions so that I can improve the students' understanding of the question. [3]
 - As a student, I want to be able to create an avatar so that I can compete with the rest of the class as a more distinct player. [2]
- Export quizzes as plain text
 - As a student, I want to import my quiz questions and answers so that I can use them as study material. [3]
 - As a Teacher, I want to export quizzes in a readable format so that students can review quiz questions off the app on their own time. [5]

Convenience: (sprint 3,4)

- Quiz organization/searching
 - ~~○ As a Teacher, I want to group and organize quizzes into curriculums so that it is easier to visualize which quizzes are associated with which lessons. [5]~~
 - ~~○ As a Teacher, I want to be able to share quizzes I have created with fellow staff and students so that they can also use my quizzes to support their own classes. [3]~~
- QR generator
 - As a teacher, I want to provide QR codes for easily joining the game without typing in the code. [2]
- Moderation
 - As a teacher, I want to be able to kick users from a given quiz session so that I can ensure that there are no unwanted trolls. [5]
 - As a teacher, I want to be able to moderate usernames and avatars so that I can make sure that a safe space can be provided for students. [3]

- As a professor, I want to be able to share the link to the quiz to the students' emails so that they can quickly and efficiently have access to it. [3]

Sprint 4

- Teacher accounts
 - As a Teacher, I want to create and save quizzes to use repeatedly in the future using an account so that I can reuse or share them. [5]
 - As a student, I want to be able to select/view open sourced quizzes created by other teachers/users so that I can use them for my own studying. [10]
- Post-quiz stats
 - As a student, I want to go through quizzes with different modes so that I can determine how well and quickly I can understand the material in a new environment. (Game mode, etc) [5]
 - As a student, I want to view my performance improvement as a graph or pie chart so that I can see how effectively I am learning. [3]

Sprints:

→ Sprint 1

- ◆ {1} As a Teacher, I want to save quizzes in some sort of file so I can import them later [2]
- ◆ {1} As a student, I want to be able to connect to and complete quizzes so that I can supplement my studying with other students. [5]
- ◆ {1} As a Teacher, I want to generate alphanumeric join codes so that I can provide students with a means to join quiz sessions. [2]
- ◆ {1} As a teacher, I want to have an easy and reliable way to host live quizzes so that I can guarantee my students will have access. [13]
- ◆ {1} As a student, I want to be able to set and change my username so that I can make myself an identifiable competitor in the class. [1]
- ◆ {1} As a student, I want to select what I think is the best answer out of some answer choices given to me so that I can participate in the quiz. [3]

→ Sprint 2

→ Sprint 3

→ Sprint 4

Sanity check your release plan.

Is the plan within the team's capacity? Yes.

Product backlog: A listing of all high-level goals and user stories that were discussed in the release planning meeting, but which did not make it into the release at this point.

- Multiple game modes
- Really good UI
- Creating an account
- Website
- App
- Teams

Product backlog

- Teams
 - As a student, I want to solve quizzes together with my classmates as teams so that I can also learn from my teammates' contributions. [13]
- Theme
 - Crow themed mascot
- Amazing UI
 - As a student, I would like to see my avatar appear on a virtual podium (with confetti) so that I can feel motivated. [2]
 - As a teacher, I would like the app to be colorful and visually appealing so that the app is attractive to use for students. [3]