Team 7 Project Charter

Team: Riley Robertson, Jake Koontz, Walter Jacquette, Kyle Brown, Jeremy Putnam, Eric Thiem

PROBLEM STATEMENT

Technology is rapidly pushing itself to the forefront of our classrooms by providing cutting-edge advancements to learning, allowing the students to not only learn, but to have fun while doing so. Here is the problem though: there is no one stop shop for teachers and students to connect with each other. There needs to be a platform for all the students' and teachers' needs that is also user-friendly, easily accessible, and open to a wide variety of students of all ages. While there are certain applications that have some of these desired features, Blackboard, Piazza, Canvas, etc. , none of them combine them into an all in one classroom application. This application will feature in-class activities, out of class assignments, discussion boards, messaging systems between parents and teachers, a detailed dashboard for teachers to gauge student performance, and much, much more.

PROJECT OBJECTIVES

- Provide an interactive site for students to learn as well as complete homeworks and quizzes
- Allow for the creation of unique users for each student, parent, teacher, and admin
- Allow teacher accounts to create a class for students to be assigned to
- Provide a discussion board for students and teachers to interact with each other
- Provide teachers with a way to customize lessons to their needs using easy-to-use templates
- Allow for parents to easily contact the teachers their children are assigned to
- Implement a competitive learning game for students to compete against each other

STAKEHOLDERS

- Users: K-12 Students, Parents to the students, K-12 Teachers, Administrators
- Developers: Riley Robertson, Jake Koontz, Walter Jacquette, Kyle Brown, Jeremy Putnam, Eric Thiem
- Project Manager: Jenna Ellis
- Project Owners: Riley Robertson, Jake Koontz, Walter Jacquette, Kyle Brown, Jeremy Putnam, Eric Thiem

DELIVERABLES

- A ReactJS-based frontend web application for students to complete assignments inside and out of class, allowing teachers to track progress with their own dashboard.
- Firebase, by Google, will be used for backend services. Firebase has authentication, database, and storage capabilities for all the student and teacher information.
- Github Pages will host the site for easy updating using our github repository.