User Stories

1. As a **teacher**,
   I want to login specifically as a teacher,
   So that I can create and modify quizzes, and view my students' grades.

2. As a **teacher**,
   I want to create quizzes,
   So that I can test my students' knowledge of the course material.

3. As a **teacher**,
   I want to modify my existing quizzes,
   So that I can change any questions or details after I've already created the quiz.

4. As a **teacher**,
   I want to delete my existing quizzes,
   So that I can remove any quizzes that may be old, not applicable, or not useful anymore.

5. As a **teacher**,
   I want my quizzes to have passcodes to access them,
   So that only my students can take the quizzes that I create.

6. As a **teacher**,
   I want to categorize my quizzes under different classes,
   So that I can organize all of my quizzes based on which class they are for.

7. As a **teacher**,
   I want quiz options like a timer, multiple correct answers, and any amount of choices I want,
   So that I can have lots of variety in how my quizzes and their questions are structured.

8. As a **teacher**,
   I want to choose when to show the answer key after the quiz is completed,
   So that the students can see the correct answers after they take the quiz, but only when I want.

9. As a **teacher**,
   I want to view the quiz grades,
   So that I can see how my students' performed on the quiz and grade them accordingly.

10. As a **teacher**,
    I want to view the overall quiz statistics,
    So that I can see how the students performed on each question individually.

11. As a **teacher**,
    I want to set a quiz to be active or inactive at any time,
    So that I can control when a quiz is accessible by the students.

12. As a **student**,
    I want to login specifically as a student,
    So that I can take quizzes and view my grades.

13. As a **student**,
   I want to take quizzes,
      So that I can test my knowledge of the material and receive credit in the course.

14. As a **student**,
   I want to view my grades,
      So that I can see how I performed on each quiz and track my progress throughout the course.

15. As a **student**,
   I want to have a confirmation code after I finish a quiz,
      So that I can use it to verify with my teacher that I took the quiz.

16. As a **student**,
   I want to be warned if I try to submit a quiz without answering each question,
      So that I won't forget to answer every question and receive credit for all of them.

17. As a **student**,
   I want to be warned when I am running out of time while taking a quiz,
      So that I can be reminded to speed up my progress and finish in time.

18. As a **student or teacher**,
   I want to be able to change my email address,
      So that I can use a different email address for logging in and receiving email updates.

19. As a **student or teacher**,
   I want to be able to change my password,
      So that I can use a different email address for logging in and receiving email updates.

20. As a **student or teacher**,
   I want to be able to increase the font size of the application,
      So that I can see the text better if I need to.

21. As a **teacher**,
   I want to be able to see the confirmation codes of all submitted quizzes,
      So that I can verify that a student did submit their quiz.

Note: User stories will be mapped throughout the acceptance tests and storyboard using their respective numbers 1 to 21.

Acceptance Stories

- Feature: User logs in with credentials
  - Scenario: Teacher logs in for first time (**1**)
    - Given I am on the home screen,
    - When I select "Teacher Login"
    - Then I should be on the Teacher Login screen
    - When I select "Create Account"
    - Then I should on the New Teacher Account screen
    - When I enter my credentials (name, email, password)
    - And I select "Create Account"
    - Then I should be on the Teacher Dashboard
  - Scenario: Student logs in for first time (**12**)
    - Given I am on the home screen,
    - When I select "Student Login"
    - Then I should be on the Student Login screen
    - When I select "Create Account"
    - Then I should on the New Student Account screen
    - When I enter my credentials (name, email)
    - And I enter a quiz code that I received from my teacher
    - And I select "Verify Email"
    - Then I should be prompted to check my email for a verification code
    - When I enter the correct verification code
    - Then I should be prompted to create a password for my account
    - When I select "Create Account"
    - Then I should be on the Student Dashboard
  - Scenario: Teacher logs in after the first time
    - Given I am on the home screen,
    - When I select "Teacher Login"
    - Then I should be on the Teacher Login screen
    - When I enter my credentials (email, password)
    - Then I should be on the Teacher Dashboard
  - Scenario: Student logs in after the first time
    - Given I am on the home screen,
    - When I select "Student Login"
    - Then I should be on the Student Login screen
    - When I enter my credentials (email, password)
    - Then I should be on the Student Dashboard

- Feature: Teacher can develop a quiz
  - Scenario: Create a quiz (**2**)
    - Given I am on the Teacher Dashboard
    - When I select "Create New Quiz"
    - Then I should be on the New Quiz Screen
    - When I fill in "Quiz Title" with the name of the quiz I am creating
    - And I add each question with its corresponding choices and correct answer
    - And I set each option for the quiz (time limit, due date, answer key visibility) (**7, 8**)
    - And I select which of my classes the quiz is for (**6**)
    - And I select "Publish Quiz"
    - Then I should be on the Quiz Confirmation screen
    - And I should see a randomly-generated quiz code to give to my students (**5**)
  - Scenario: Modify a quiz (**3**)
    - Given I am on the Teacher Dashboard
    - When I select the active quiz that I want to modify
    - Then I should be on the Quiz Information screen
    - When I select "Edit Quiz"
    - Then I should be on the Edit Quiz screen
    - When I make the desired changes (quiz settings, add/change questions)
    - And I select "Publish Quiz"
    - Then I should be on the Quiz Information screen
    - And I should see my changes reflected on the listed information
    - When I select "Set Active" on a quiz on the quiz modification screen (**11**)
    - Then I should see that the quiz is now available to all students who have the quiz code
    - When I select "Set Inactive" on a quiz on the quiz modification screen
    - Then I should see that the quiz is now unavailable on the Quiz Information screen
  - Scenario: Delete a quiz (**4**)
    - Given I am on the Teacher Dashboard
    - When I select the active quiz that I want to delete
    - Then I should be on the Quiz Information screen
    - When I select "Delete Quiz"
    - Then I should be prompted to confirm the deletion
    - When I select "Confirm Deletion" again
    - Then I should be on the Teacher Dashboard
    - And I should not see the deleted quiz anymore

- Feature: Teacher can view student grades
  - Scenario: View grades for a quiz (**9**)
    - Given I am on the Teacher Dashboard
    - When I select an active or previous quiz under its corresponding class
    - Then I should be on the Quiz Information screen
    - When I select "View Grades"
    - Then I should be on the Student Grades screen
    - And I should see a list of all students that took the quiz and their scores
  - Scenario: View statistics for a quiz (**10**)
    - Given I am on the Teacher Dashboard
    - When I select an active or previous quiz under its corresponding class
    - Then I should be on the Quiz Information screen
    - When I select "View Stats"
    - Then I should be on the Quiz Statistics screen
    - And I should see quiz statistics like percentage who got questions right, time taken, etc.
    - When I select "View Confirmation Numbers"
    - Then I should be on the Quiz Confirmation Numbers screen
    - And I should see a list of all students that took the quiz with their confirmation number (**21**)

- Feature: Student can take a quiz
  - Scenario: Take a quiz and finish in time (**13**)
    - Given I am on the Student Dashboard
    - When I select an available quiz
    - Then I should be on the Start Quiz screen
    - When I select "Begin Quiz"
    - Then I should be on the quiz page with the first question
    - When I select "Submit Quiz"
    - Then I should be prompted to confirm the submission
    - When I select "Confirm Submission"
    - Then I should be on the Quiz Confirmation screen
    - And I should see my grade (if applicable) and a confirmation number (**15**)
  - Scenario: Take a quiz but run out of time (**17**)
    - Given I am taking a quiz
    - When there are 5 minutes remaining to submit the quiz
    - Then I should be warned that I am almost out of time
    - When I am out of time
    - Then my quiz should be submitted with my current selections
    - Then I should be on the Quiz Confirmation screen
    - And I should see my grade (if applicable) and a confirmation number
  - Scenario: Take a quiz and submit without answering all questions (**16**)
    - Given I am taking a quiz
    - And I have not answered every question
    - When I select "Submit Quiz"
    - Then I should be warned that I will not receive credit for unanswered questions
    - When I select "Confirm Submission"
    - Then I should be on the Quiz Confirmation screen
    - And I should see my grade (if applicable) and a confirmation number

- Feature: Student can view previous quizzes
  - Scenario: View previous quiz information and grade (**14**)
    - Given I am on the Student Dashboard
    - When I select a previous quiz
    - Then I should be on the Quiz Information screen
    - And I should see the quiz title, due date, and my score on the quiz
  - Scenario: View previous quiz answer key
    - Given I am on the Student Dashboard
    - When I select a previous quiz
    - Then I should be on the Quiz Information screen
    - And I should see the quiz title, due date, and my score on the quiz
    - When I select "See Answer Key"
    - Then I should be on the Answer Key screen
    - And I should see each question with its correct answer and the answer that I selected

- Feature: User can change account settings
  - Scenario: Change email address (**18**)
    - Given I am on the Dashboard (Student or Teacher)
    - When I select the side menu button
    - Then the side menu should open up
    - When I select "Settings"
    - Then I should be on the Settings screen
    - When I select "Change Email"
    - Then I should be on the Change Email screen
    - When I verify my password and enter my new email address
    - Then my email should be updated
    - And I should be returned to the Settings page
  - Scenario: Change password (**19**)
    - Given I am on the Dashboard (Student or Teacher)
    - When I select the side menu button
    - Then the side menu should open up
    - When I select "Settings"
    - Then I should be on the Settings screen
    - When I select "Change Password"
    - Then I should be on the Change Password screen
    - When I verify my current password and enter my new password
    - Then my password should be updated
    - And I should be returned to the Settings page
  - Scenario: Change the font size (**20**)
    - Given I am on the Dashboard (Student or Teacher)
    - When I select the side menu button
    - Then the side menu should open up
    - When I select "Settings"
    - Then I should be on the Settings screen
    - When I select "Set Font Size"
    - Then I should be on a slider in which I am able to increase or decrease the font size