SOFTWARE REQUIREMENT SPECIFICATION

Quiz Wiz Pro

Team Trinity Software Group

Spring 2022

3/30/2022

1. Introduction –Team Trinity Software Group Spring 2022 Capstone

1.1 **Purpose** -The Purpose of this of this project, Quiz Pro, a Quiz Management Software is to provide a simple, intuitive and convenient way for teachers to create simple quizzes for test takers. The goal is to have this project completed no later than April 17, 2022.

2. Overall Description - – Quiz Wiz Pro is intended to be used to by teachers and administrators at institutions of learning to create quizzes, exams and test and administer them to students. In version1 of QWP Administrators will be able to create quizzes with up to 10 questions and store them in a database to be administered to students. Students will be able to login and take quizzes made available and have them graded instantly ant automatically by the software providing them their results at the completion of quiz. Institutions of learning of all kinds have a need to create and organize quiz examinations for their students and our goal is to make it simple.

2.1 *User Needs* – Use needs for the software to be secure, simple, intuitive to use and completed by April 17, 2022.

2.2 *Assumptions and Dependencies* – knowledge of AWS, JDBC, Java and SQL will be needed to complete this project.

3. System Features and Requirements

3.1 *Functional Requirements*

- **Login** Function– Software will have a login for all users, admin and students. Login function will check to see if user's password and username combination is correct before granting access to system. Users will be allowed 3 attempts before the system exits for security purposes. Once logged in the system will grant students access to the Student Main menu and grant access to the Admin Main Menu for admins.
- **Run Quiz Function** – This function runs the quiz created by admin when a student runs the quiz from the Student Main Menu or when an admin runs a simulation of the quiz to test it from the Admin Main Menu.

- **Create Quiz Function –** this function available to admins allows the user to create custom quizzes and store them in a database to be made available to test takers and admins when they run the quiz. All Quizzes should have a Name, Author, Date Created, Subject and a generated Unique Quiz ID., and Admin ID.
    - **Create Questions –** The create Quiz function takes the questions created by the "Create Question
    - **Set Timer** – method allows admin to set quiz timer to 5, 10,15, or 30 mins.
- **Create New User Function** – When the software creates a new user account it captures the users First Name, Last Name, Email Address, username, password and generates a unique user ID.
    - Admins
    - Students
- **Delete Quiz Function**
- **View All Created Quizzes Function**
- **View Grade Result Function**

3.2 *External Interface Requirements*

- JDBC
- MSQL Connector

3.3 *Nonfunctional Requirements*

- User Documents
- User Flow Diagrams
- Visual Presentation