Requirements Document for Coder Pad

Objective

Create a web application to evaluate candidates on Database fundamentals using Coding and Multiple-Choice Questions.

Definitions

Coding Question

A coding question must allow the users to write sql code for the Problem given.  A Data administrator must be able to set up the question along with the test cases for the given question.

Multiple Choice Question

A multiple-choice question must allow users to select single or multiple choices for the given question.

Section

The Data Administrator must be able to group the questions into logical sections.

*Scoring*

Upon submission of the test the candidate scores must be computed, and a detailed test report must be created. Create Grids to search the candidate progress on the test and results for easy access.

*Code Execution Environment*

Create a secure and isolated environment to execute code. Display output and error messages.

Roles

The following roles must be defined for the application to be used effectively.

System Administrator

As a system administrator I should be able to add Data Administrator and Test Administrator to the System.  A system administrator must be able to access all the functionality of the system

Data Administrator

As a Data Administrator I must be able to create tests in the System using Multiple choice questions. I must be able to set the Duration of the test and proctoring options.

Test Administrator

As a Test Administrator I must be able to send the tests to the Candidates. I must be able to view the results of the Candidate and download Test Report in PDF.

Candidate

As a candidate I must be able to attempt the test scheduled for me by the team. I will be able to attend the test until the duration specified. I should be able to skip the questions later and submit the tests once done.