Midwestern State University

Department Of Computer Science

CMPS 4113 - Software Engineering

Spring Semester

Project: Exit Exam Application

Version: 1.0

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INTRODUCTION

Dear Students,

Welcome to the Interactive learning system known as the Exit Exam Application. It is an application that is intended to fully prepare graduating computer science students for the Computer Science Exit Exam. Our project is a stand-alone interactive application that would allow the user to either take a practice test composed of a number of different related computer science concepts or take an exam based on an individual concept of their choice. This project is designed to create a suitable application that has a user-friendly GUI, in order for students to use the application and come to understand the course topics easily. Therefore, I urge you to read this manual carefully before using the application. This manual will provide you with the necessary information for the correct use of the program.

Sincerely,
Team G

SYSTEM REQUIREMENTS

<u>Hardware Requirements:</u>

To run this application properly, make sure you have the following minimum system requirements:

- 1 GHz 32-bit (x86) or 64-bit (x64) CPU
- 1 GB of RAM
- 128 MB of graphics memory
- 2 GB of storage
- One mouse

<u>Software Requirements</u>:

- Any Operating System (Windows, MAC, Linux)

GETTING STARTED

3.1 User Interface Layout

The basic user interface layout includes the following:

- Application's Title Page
- A New Exam Button - Allows the user to start a new exam
- A Load Exam Button - Allows the user to load a previous exam session
- An About Button - Which provides information pertaining to the application's development

3.2 This is how you get started (Main Menu Page):

- Click on EXIT EXAM APPLICATION ICON
- The Main Menu Screen will appear as follows after launching the application
- User will be able to select from three options
  - New Exam (Implemented)
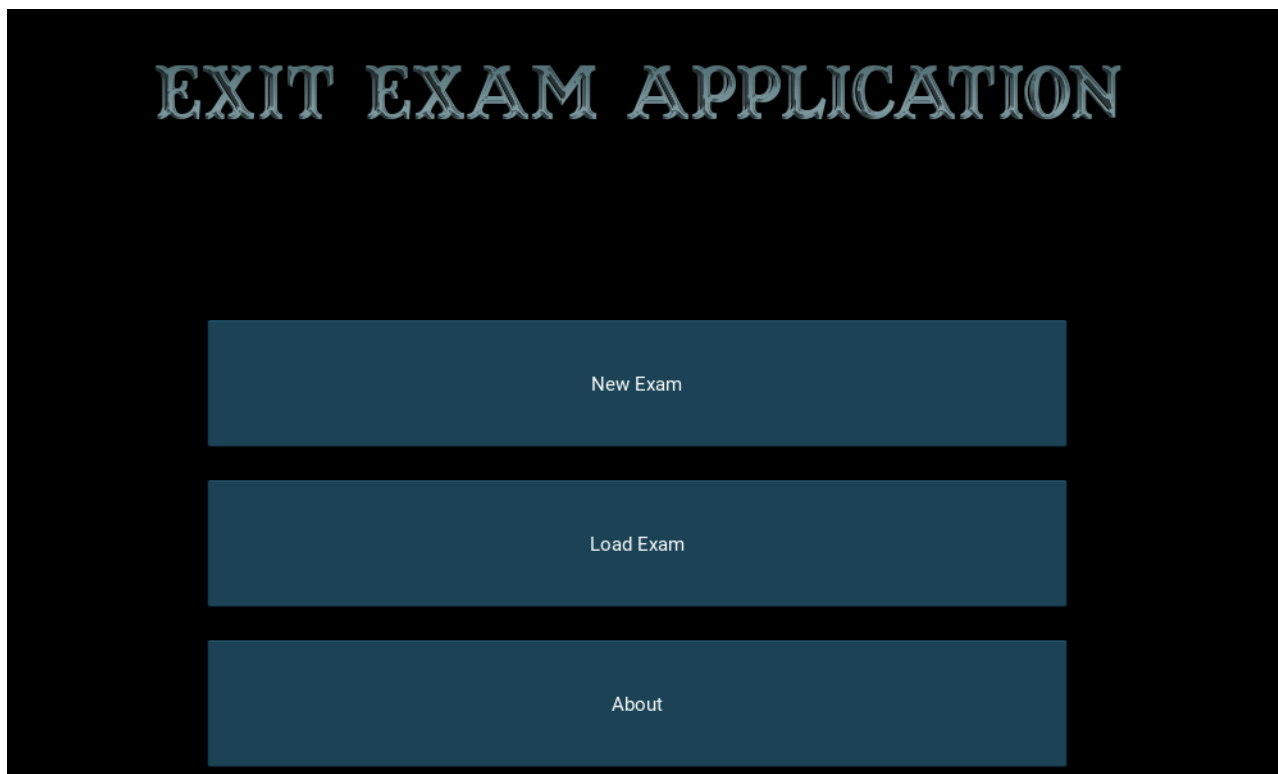 - Load Exam (Not implemented)
  - About (Implemented)

Figure 1. Main Menu Page

3.3 New Exam Page

- Once a user is in figure 1 he/she can begin a new exam. By selecting the new exam button the user is directed to figure 2 as shown:
- User will be able to select from three options
    - Help (Implemented)
    - Select a Question (Not implemented)
    - Close and Save (Implemented)

- Questions and their choices will be displayed
- Users will be able to toggle back and forth between questions
- No answer selected is automatically considered an incorrect answer
- Previous button disabled (On first question)
- Next button disabled and Submit Button displayed (On final question)
- Close and Save button allows the user to close the application and save any current progress

Figure 2. New Exam Page

3.4 Help Page

- Once a user is in figure 2 he/she can select the help option. By selecting the help button the user is directed to figure 3 as shown:
- User will be provided with information on what is currently being displayed on screen along with its functionality
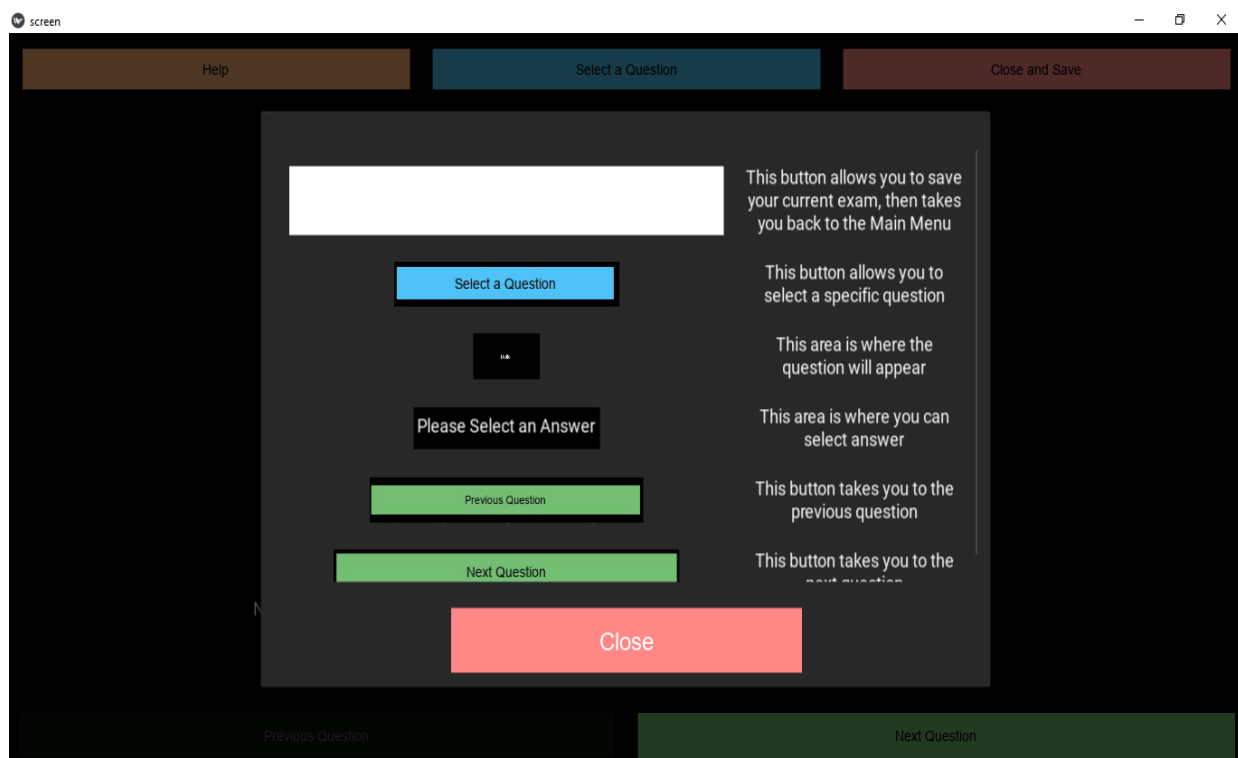- Close button exits the help page and takes you back to the current screen

Figure 3. Help Page

3.5 Summary Page

- Once a user is in figure 2 and completes all the questions, he/she will be directed to figure 4 as shown:
- Information regarding the number of questions attempted out of the total is given along with their percentage grade.
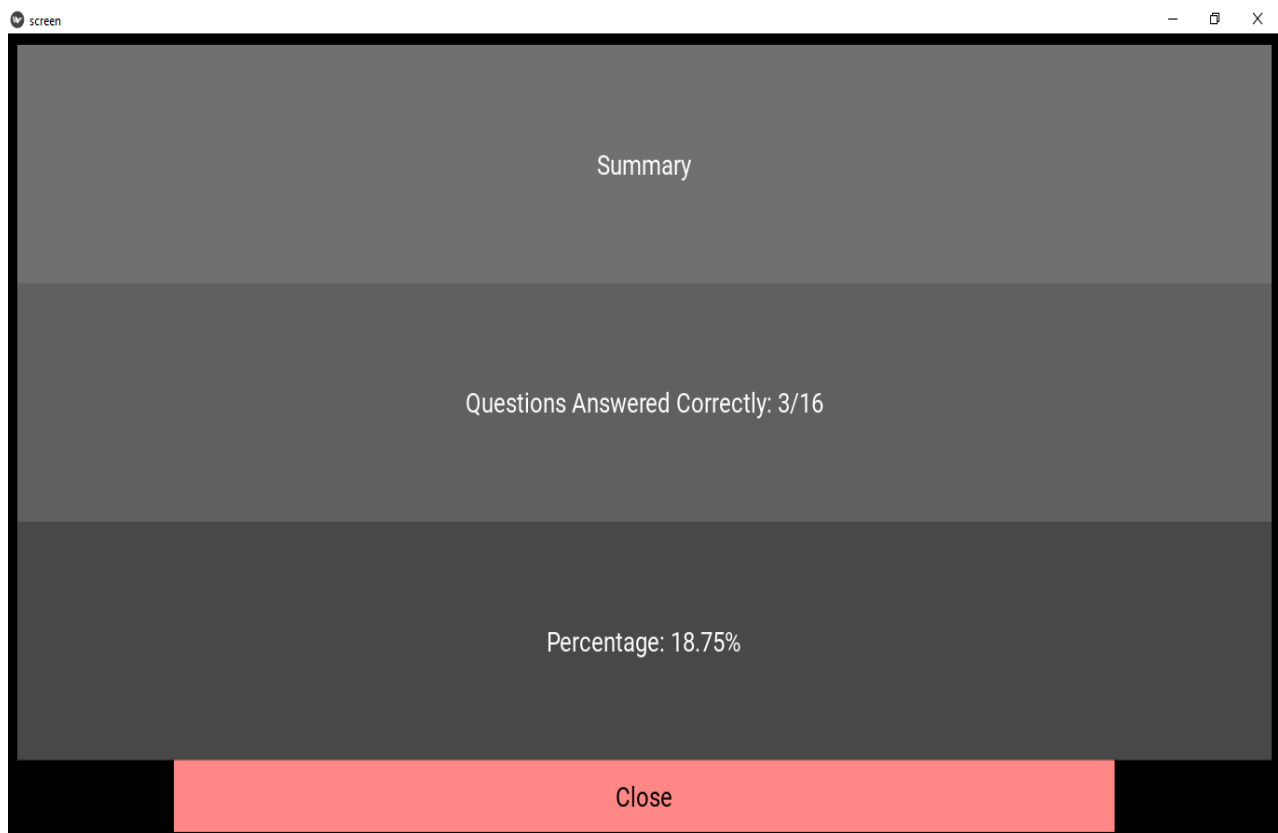- Close button exits the application

Figure 4. Summary Page