

Quizmania

Quiz Manager User Manual

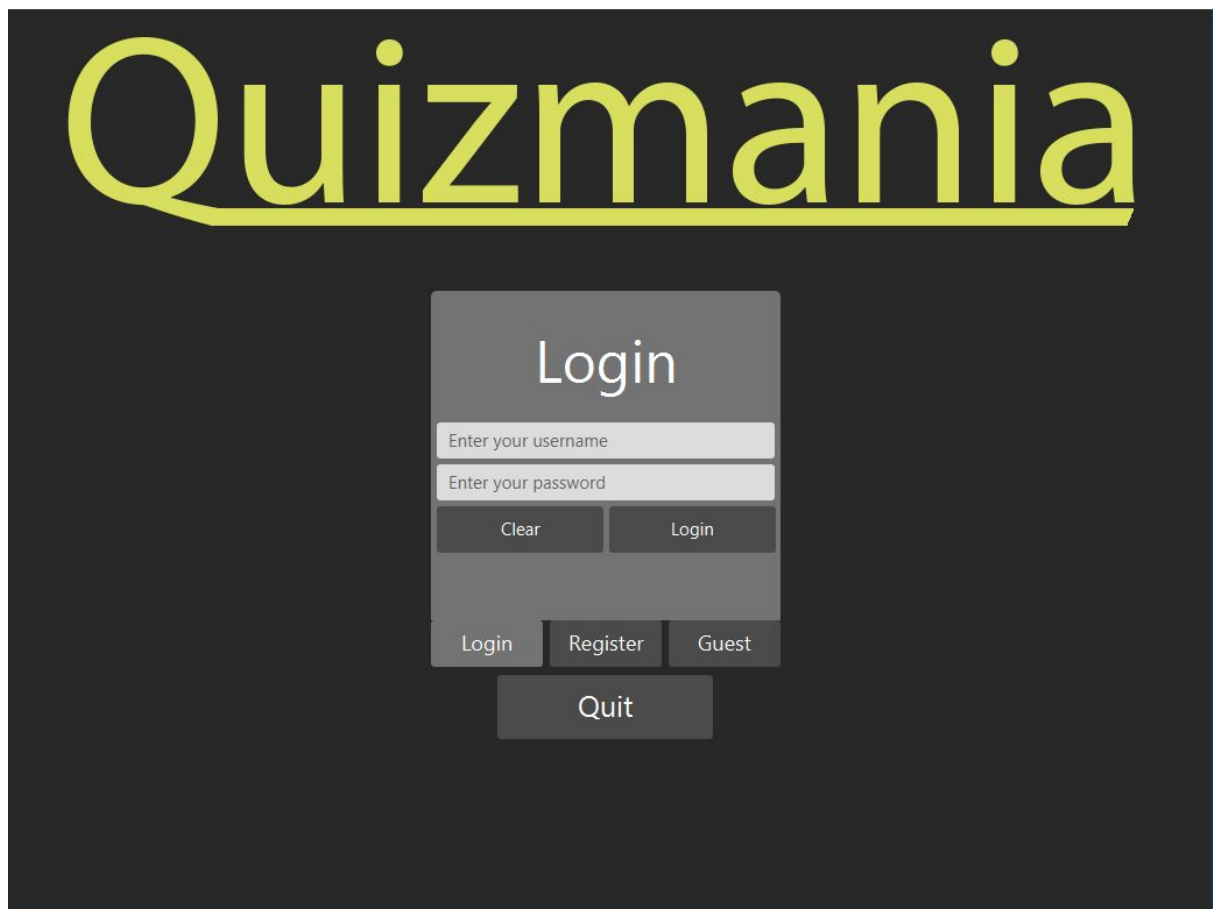
Intention of this document is to give knowledge about how to use the program on both console and graphical user interface

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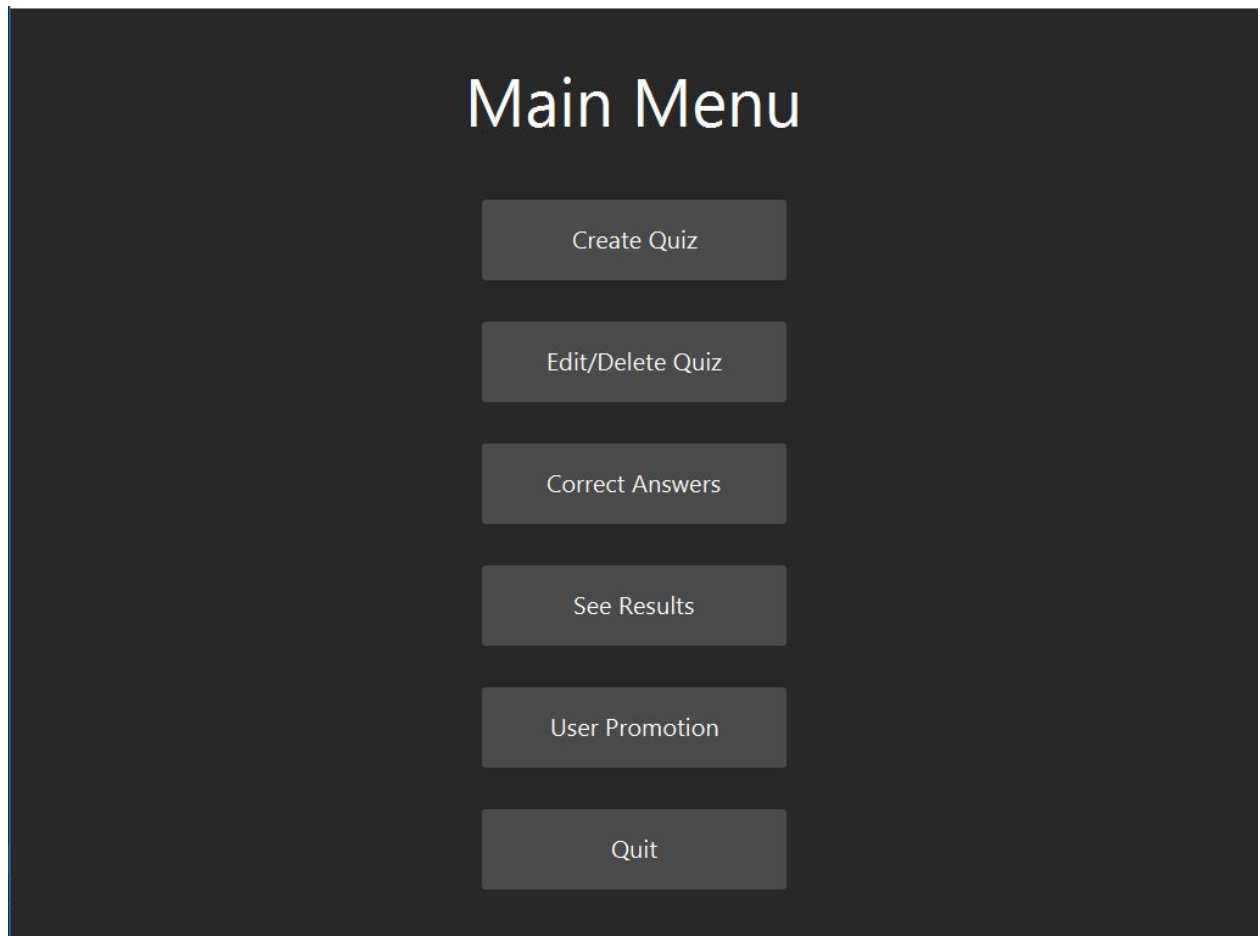
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1) Login Menu

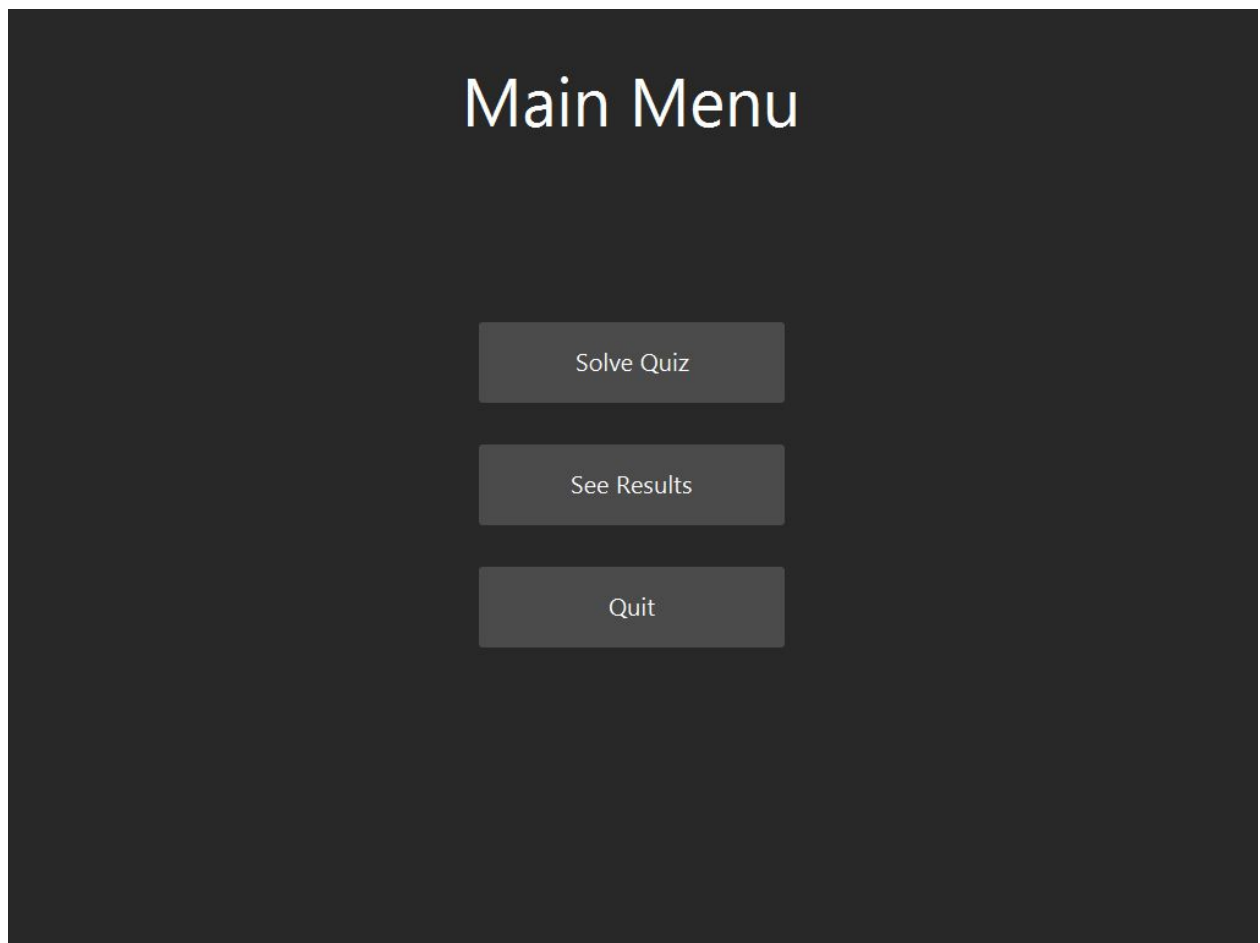


Login menu is the first screen when program starts executing. There are 3 options to do; login, register and guest login. Guest login was intended to grant access to public quizzes but there wasn't enough time left to complete implementation. Therefore it is not available to use. Register option takes username and password information to create a new user. Login option takes username and password information to log in to an existing user. Program continues with Main Menu once there has been a successful login attempt made.

2) Main Menu



Main Menu for a user with authority



Main Menu for a user without authority

Main menu is a navigation point for users to select an action and use the program. Actions of users can do differs with their authority situations. Authority means being able to access rural and managing stuff.

Only a user with authority can create a quiz, edit a quiz, correct an answer to complete the evaluation of a quiz, and promote/demote the other users.

Meanwhile a normal user can only access to quiz solve part which is not available for authoritative people.

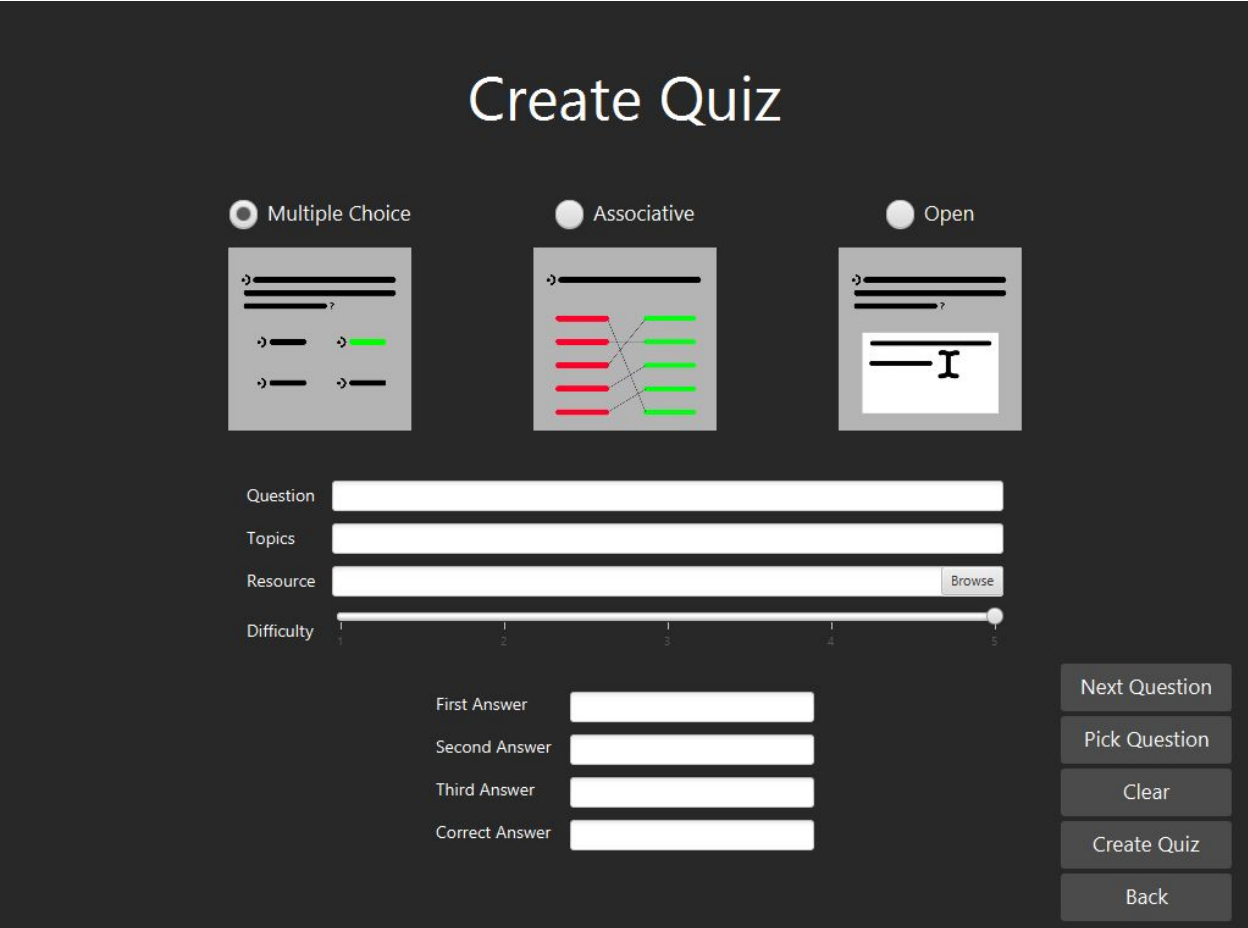
There is only one common selection both can do: see results. While the button, menu name and menu design is same for each user, the content changes again according to the authority.

If the user has authority then the results shown on the table will be the results of quizzes created by that user. So basically this is a place to see the results of students or other normal users who took your exam/quiz.

If user doesn't have authority then the results shown will be the results of quizzes solved by the user. So instead of a partially global result list it will be a private list constructed from solved quizzes.

Once the user clicks one of the buttons, main menu will navigate to the desired menu.

3) Create Quiz Menu



The "Create Quiz" menu is displayed on a dark background. At the top, the title "Create Quiz" is centered in a large, white, sans-serif font. Below the title, there are three radio buttons with corresponding labels: "Multiple Choice" (selected), "Associative", and "Open". Each radio button is accompanied by a small icon representing the question type. Below these options, there are four input fields: "Question", "Topics", "Resource" (with a "Browse" button to its right), and "Difficulty" (a slider ranging from 1 to 5). To the right of the "Question" field, there are four input fields for answers: "First Answer", "Second Answer", "Third Answer", and "Correct Answer". On the far right, there are five buttons stacked vertically: "Next Question", "Pick Question", "Clear", "Create Quiz", and "Back".

As indicated before this menu is accessible only for users who has authority. When navigated through the menu it asks from you to create or select previously created questions. Therefore this can be inspected under 2 sub menus: create new question, select previous question.

Create New Question

This menu takes inputs from user to assembly new question. To create a question all required fields must be valid. For common parts; there must be a question text (body), question type and question difficulty. Question difficulty and type is automatically selected since they are represented by a choice box and a slider. User can change the values as they wish. They need to give input for question body. Topics and resources are not required, so they can be left empty.

For a multiple choice question there are 4 input fields and they are required.

For an associative question there are 5 rows with 2 columns. There is a minimum (2) and maximum (5) number of rows that an associative question can have. User needs to fill rows between those limits. Remaining rows can be left empty once the lower bound has provided.

For an open question there is only a text field that waits for question tips. It is not required, it can be left blank

Select Previous Question

Selecting a previously created question will bring a list/table to the screen to let user select among them. User can filter questions with search parameters to find their desired question. Questions can't be selected multiple times for a quiz

Search option is available for both GUI and console to let users assembly a quiz quickly with previous questions. Multiple selection is available for both GUI (clicking multiple rows) and console (giving more than one index separated with spaces “ ”, ex: “1 2 5 6”) application.

On question selection table one can see the column named True Difficulty. This is the difficulty calculated by ratio of the number of true answers over number of all answers. It is also limited between 1 and 5 like normal difficulty the user can give. Intention of this was to build a more consistent level matching algorithm to recommend questions or quizzes according to user's own level. But due to time limit it couldn't implemented fully. Therefore it is only shown on tables to let users see the true difficulty of the question and quizzes

Finalization

Once everything is done, user can finalize quiz and save it. To finalize quiz there needs to be at least 1 question either created or selected. If there is at least a question exists then user will be taken to the finalization screen, where they need to provide required attributes for a quiz. Quiz title is required to name it. There are 2 difficulty selections to be shown to other users while listing the quiz. Average difficulty automatically constructed from the average difficulty of selected and created questions. But user can give a custom difficulty to override the average difficulty. There is also a publicity option to make the quiz (and the questions) public or private. A public question can be solved from other users and the questions of the quiz can be selected by other users who create quiz. Questions can later be edited for their publicity attribute. Quizzes can't.

4) Edit Quiz Menu

[illegible]

As indicated before this menu is accessible only for users who has authority. When navigated through the menu shows a list of quizzes which are created by the current user. Using this menu a user can select a quiz to see the questions of that quiz. Then the user can remove the question from this quiz, entirely delete the question (deletes from other users' quizzes too), edit the question (changes from other user's quizzes too). While GUI lets user to change the type of question, console application doesn't let user to change the type of question. All other attributes are open to changes on both sides.

[illegible]

Once a quiz has been solved, multiple choice and associative questions are automatically corrected. But open questions are left to the owner of the users to evaluate. An authoritative user can find answers waiting to be evaluated from this menu to declare answer as correct or false to complete the evaluation.

6) User Promotion Menu

Promote / Demote Users

Username

Search

Username	Authority
layso	true
batu	false
deneme	false
a	false
user	true
	true
asdasd	false
ehe	true
naber	false
999	true
reg	false

Promote

Demote

Back

User promotion menu designed to give (or take) authority to (from) other users. This way more users can be declared as authoritative to have more teachers or quiz makers in action. There is no “root” or first admin. So a user can declare itself as non authoritative and may not be able to reach the system as authoritative unless someone reverts the change.

Since there is no root or special admin role, the first user to be registered to the system automatically saved as an authoritative. All the other people will be saved as normal users. Even if there is no authoritative user left, all new comers will be created as normal users since there are previously created users.

On the console application it needs to be refreshed by going back and coming back to the menu once a change has been made to see the change immediately.

7) Solve Quiz Menu

Taking Quiz

Question: 3 / 4

consoleAss

3	22
1	11
2	33

Next Quit Quiz

This is the only menu that is special for normal users. Once it has been loaded it will show all public quizzes available to solve to let user solve a quiz. Once a quiz has been selected it will start and ask all the questions.

Quiz can either be finished or aborted by going back to the menu. Only a finished quiz will be saved as a result. There is no save functionality in mid-quiz. Once all the questions are solved user will automatically be navigated to the quiz selection menu.

A quiz can't produce multiple results for a user. So after solving a quiz second time result will be discarded and result of first solving will remain on the results menu.

To get to the next question user needs to give a valid answer to the question. Validity changes according to GUI/console application and question types

GUI

Multiple Choice Question

A multiple choice question on GUI gives 4 selectable options to user. One of them must be selected to continue. There is no un-selection option.

Associative Question

An associative question on GUI gives 2 columns with mixed rows. User needs to associate them by clicking to the buttons. A selection or association can't be undone.

Open Question

An open question on GUI asks user to give a text input. It must at least filled with a character to be continued (space character counts too).

Console

Multiple Choice Question

A multiple choice question on console prints 4 selectable options to user. User must give an input associates with the index of one of the choices to continue

Associative Question

An associative question on console prints 2 columns with mixed rows. Left hand side rows are indexed with numbers while right hand sides are indexed with characters. User needs to give a single input including all associations for this question. Character and number separations must be done with a dash "-" and row separations must be done with a space " ". Ex: "1-c 2-b 3-c". It will ask user to provide answer again until a valid input has given.

Open Question

An open question on console prints the question and tip, then asks for an input.

