

Quiz Manager

User Guide

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Minimum Requirements

Before attempting to use Quiz Manager please ensure that your system meets the following requirements:

Windows:

- Windows 10
- Windows 8.x (Desktop)
- Windows 7 SP1
- Windows Vista SP2
- Windows Server 2008 R2 SP1 (64-bit)
- Windows Server 2012 and 2012 R2 (64-bit)
- RAM: 128 MB
- Processor: Pentium 2 266 MHz

Mac OS X:

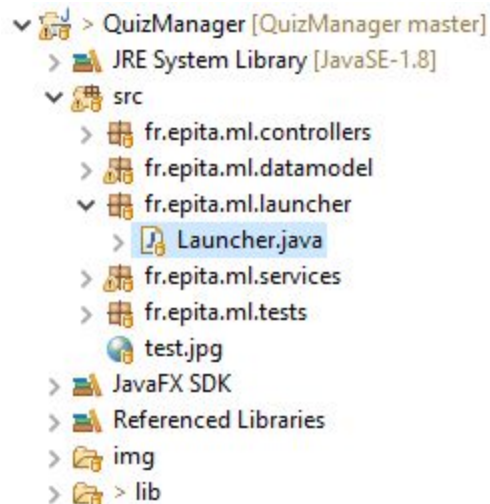
- Intel-based Mac running Mac OS X 10.8.3+, 10.9+

Linux:

- Oracle Linux 5.5+
- Oracle Linux 6.x (32-bit), 6.x (64-bit)
- Oracle Linux 7.x (64-bit)
- Red Hat Enterprise Linux 5.5+1, 6.x (32-bit), 6.x (64-bit)
- Red Hat Enterprise Linux 7.x (64-bit)
- Suse Linux Enterprise Server 10 SP2+, 11.x
- Suse Linux Enterprise Server 12.x (64-bit)
- Ubuntu Linux 12.04 LTS, 13.x
- Ubuntu Linux 14.x
- Ubuntu Linux 15.04
- Ubuntu Linux 15.10

Installing and Starting

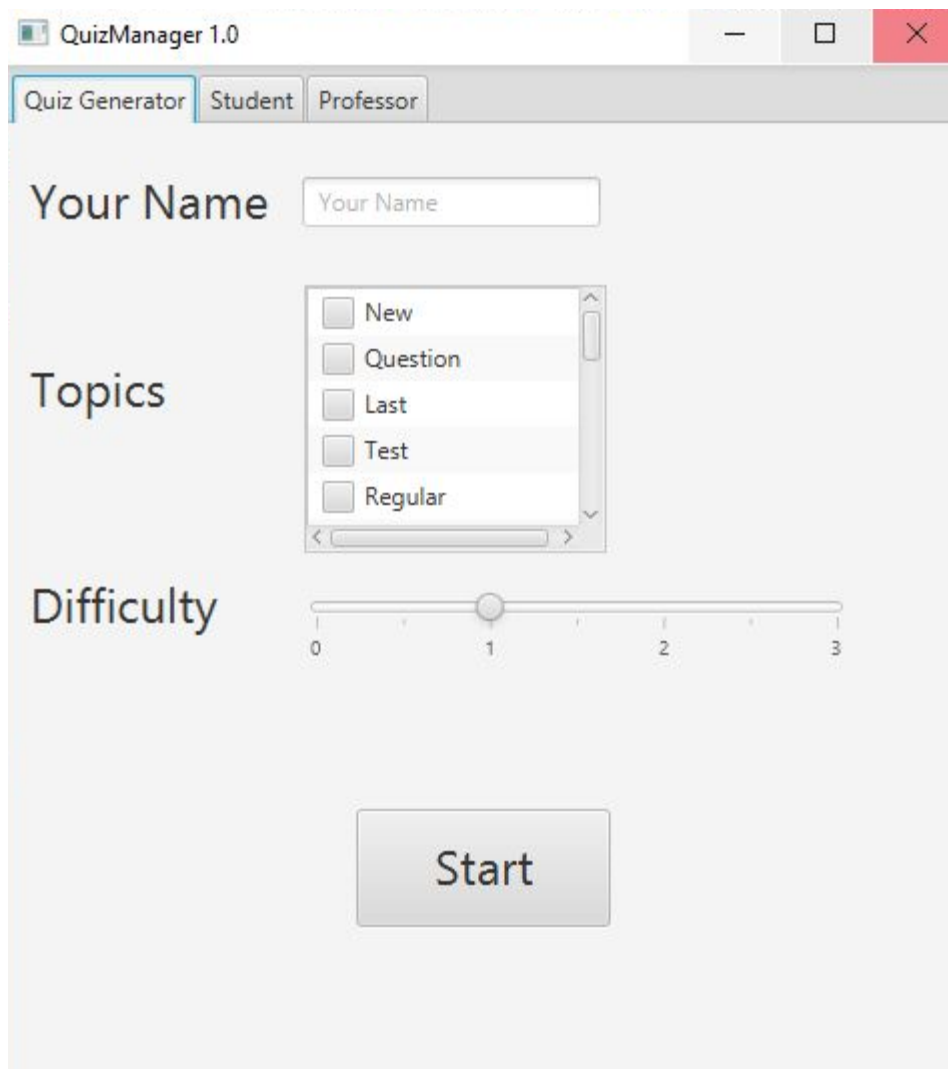
In order to run Quiz Manager, import the project into your preferred java IDE. Make sure you have the latest versions of Java and JavaFX installed. Run the Launcher.java file inside src/fr.epita.ml.launcher.



Alternatively, you can run the executable .jar file on the command line. To do so, access the folder containing the .jar file on the the command console and type **java -jar source.jar app.location**

Menu and Profiles

When you start Quiz Manger you should see the following menus on the screen. Here you can choose whether you want to take a quiz based on topics and difficulty, log in as a Student and take a quiz prepared by the Professor, or log in as a Professor and manage questions and quizzes.



The image shows a screenshot of the QuizManager 1.0 application window. The window has a title bar with the text "QuizManager 1.0" and standard window controls (minimize, maximize, close). Below the title bar is a tabbed interface with three tabs: "Quiz Generator" (selected), "Student", and "Professor".

Under the "Quiz Generator" tab, there are three main sections:

- Your Name:** A text input field with the placeholder text "Your Name".
- Topics:** A list box containing five items, each with a checkbox:
 - ☐ New
 - ☐ Question
 - ☐ Last
 - ☐ Test
 - ☐ Regular
- Difficulty:** A horizontal slider control with a range from 0 to 3. The slider is currently positioned at 1.

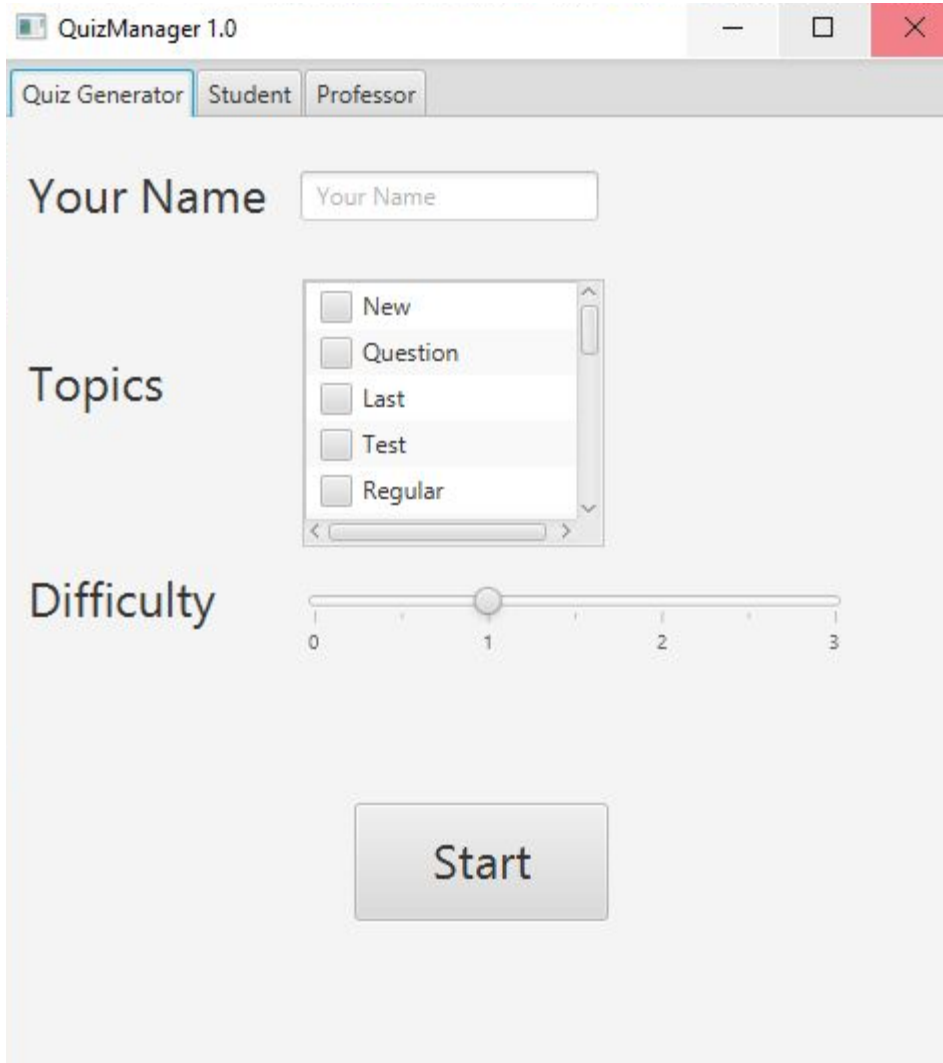
At the bottom of the window is a large "Start" button.

Quiz Generator

In this tab, it is possible to generate a quiz based on a list of topics and a difficulty. To generate a new quiz, select the desired topics (at least one) and then chose the Difficulty (0, 1, 2 or 3) on the slider button. Option 0 will generate a balanced quiz with 4 questions of each difficulty.

If you want to take a quiz fill the "Your name" with your name then press "Start".

If you want to export the quiz into a .pdf file, press Export. The file will be saved on the program folder with the name Quiz Generator.pdf

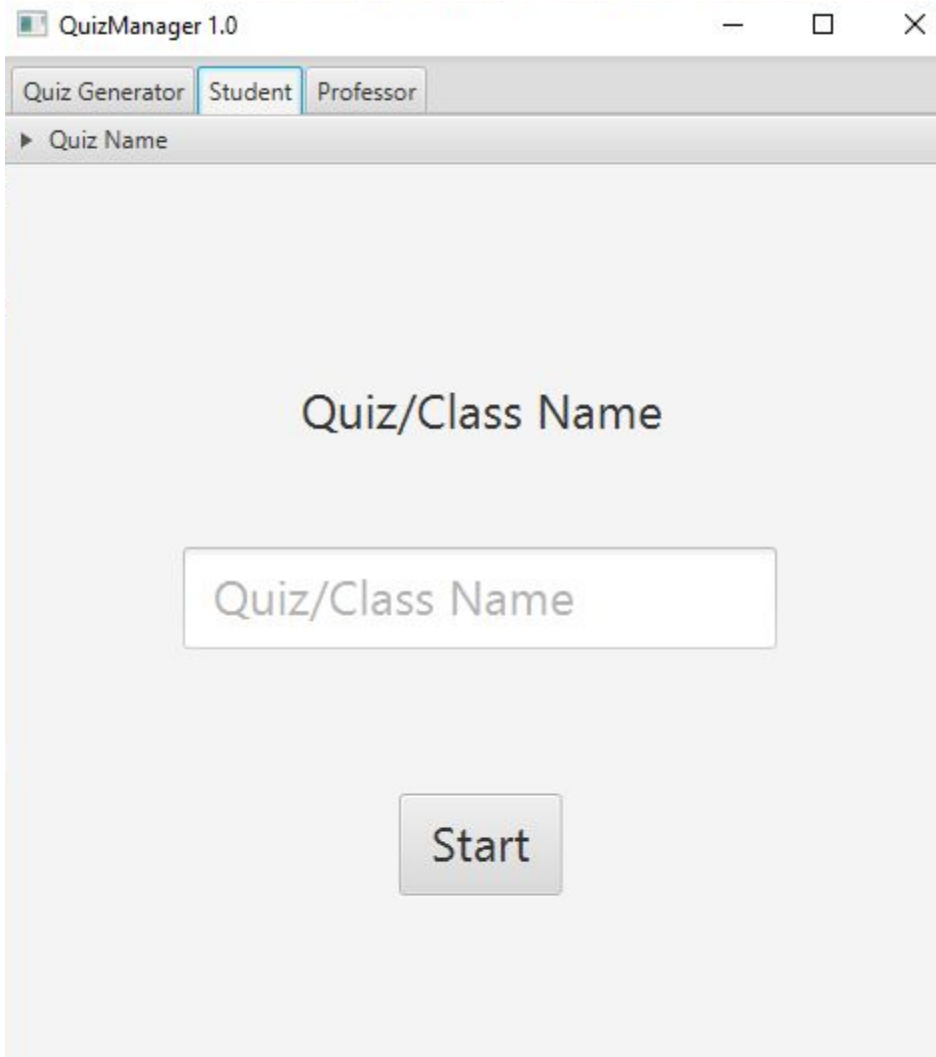


The image shows a screenshot of the QuizManager 1.0 application window. The window has a title bar with the text "QuizManager 1.0" and standard window controls (minimize, maximize, close). Below the title bar is a tabbed interface with three tabs: "Quiz Generator" (selected), "Student", and "Professor". The main content area of the "Quiz Generator" tab contains the following elements:

- Your Name:** A text input field with the placeholder text "Your Name".
- Topics:** A list box containing five items: "New", "Question", "Last", "Test", and "Regular". Each item has a checkbox to its left. The "Question" item is currently selected.
- Difficulty:** A horizontal slider control with a range from 0 to 3. The slider knob is positioned at 1.
- Start:** A large, light gray button with the text "Start" centered on it.

Student

As a Student you are able to take a quiz generated by your Professor. In order to do this, fill the Quiz/Class Name field with the name provided by your professor. Then press Start to start the quiz.



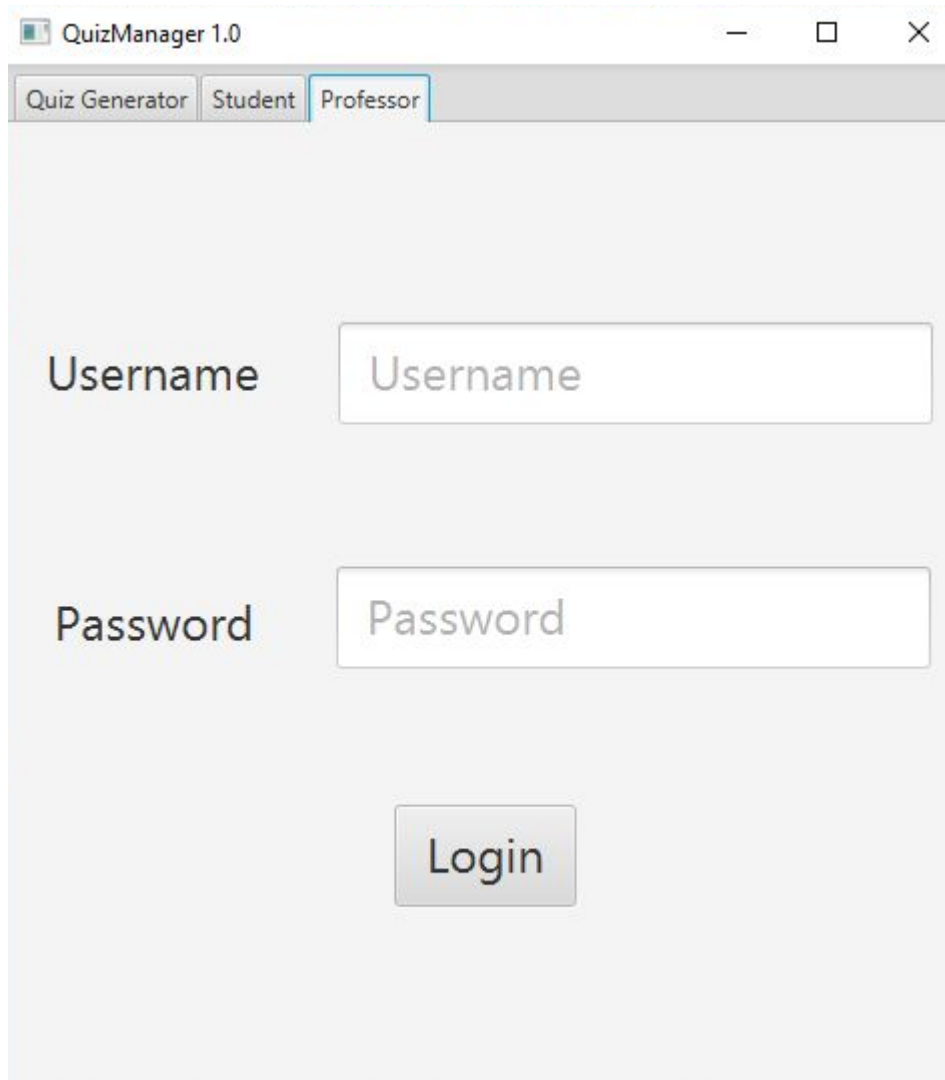
The image shows a screenshot of a software application window titled "QuizManager 1.0". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the title bar is a tabbed interface with three tabs: "Quiz Generator", "Student" (which is currently selected and highlighted with a blue border), and "Professor". Below the tabs is a section labeled "Quiz Name" with a right-pointing arrow. The main area of the window is light gray and contains the text "Quiz/Class Name" in a large, dark font. Below this text is a white rectangular input field with the placeholder text "Quiz/Class Name" in a light gray font. At the bottom center of the window is a gray button with the text "Start" in a dark font.

Professor

As a professor you can manage questions and quizzes. You are also able to view the answers given by students.

Login

To be able to access the function mentioned above you must first enter your username and password provided in the README.txt file.



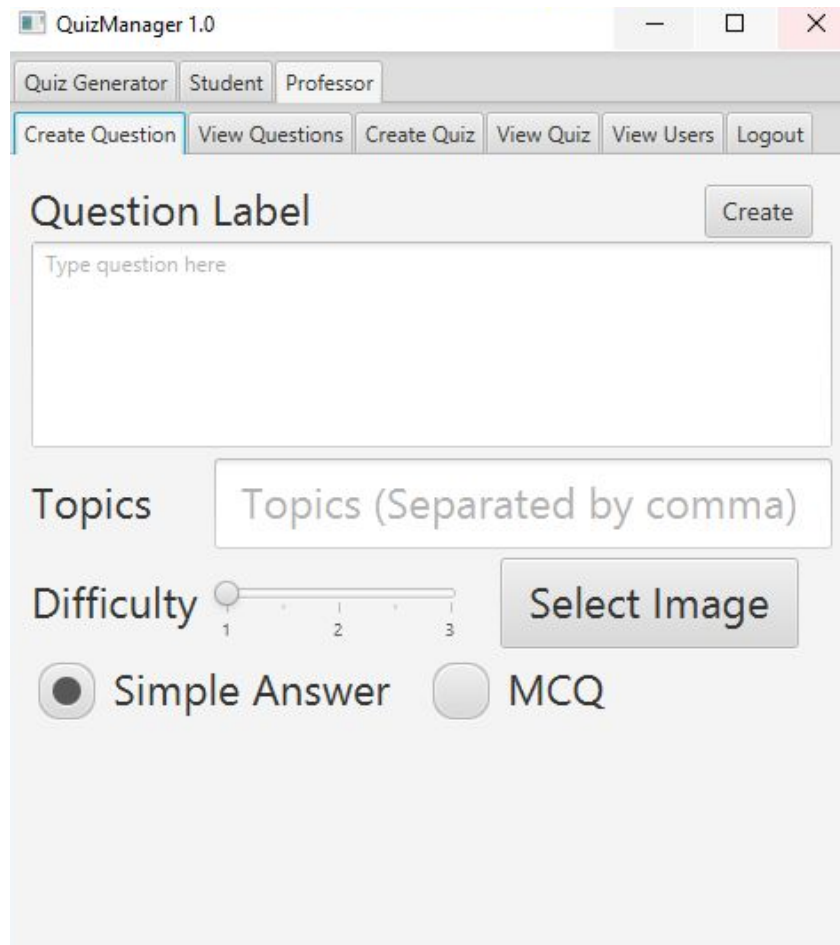
The image shows a screenshot of a software window titled "QuizManager 1.0". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the title bar is a tabbed interface with three tabs: "Quiz Generator", "Student", and "Professor". The "Professor" tab is currently selected and highlighted. The main area of the window is light gray and contains two text input fields. The first field is labeled "Username" and contains the placeholder text "Username". The second field is labeled "Password" and contains the placeholder text "Password". Below these fields is a single button labeled "Login".

Quiz Generator	Student	Professor
<div><div>Username</div><div>Username</div></div> <div><div>Password</div><div>Password</div></div> <div>Login</div>		

Create Question

Here you can create a new question. To do so you must:

- Type the question in the "Question Label" textbox.
- Define topics for the question, they should be separated by comma.
- Define a Difficulty for the question using the sliding button.
- Add an image to the question (optional).
- Choose if the question is an open question or a multiple choice question.
- If it's a multiple choice question, click on the +Choice button to add choices to your question. After adding all the choices, check the boxes of the correct answers. You will be prompted to edit them if desired.
- Finally, click on the button Create to put the question in the database.

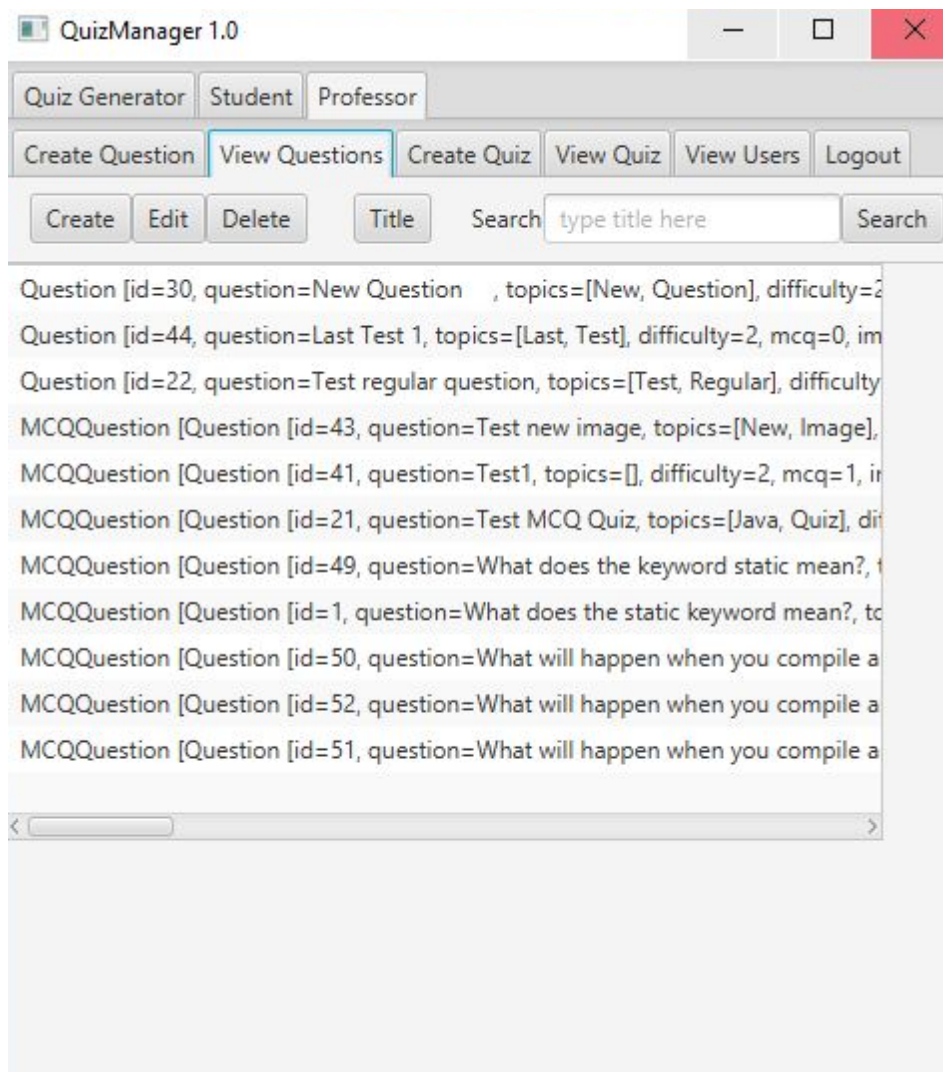


The screenshot shows the 'QuizManager 1.0' application window. At the top, there are tabs for 'Quiz Generator', 'Student', and 'Professor'. Below these are buttons for 'Create Question', 'View Questions', 'Create Quiz', 'View Quiz', 'View Users', and 'Logout'. The 'Create Question' button is highlighted. The main form has a 'Question Label' section with a large text area labeled 'Type question here' and a 'Create' button. Below this is a 'Topics' section with a text box labeled 'Topics (Separated by comma)'. The 'Difficulty' section features a slider with markers at 1, 2, and 3. To the right of the slider is a 'Select Image' button. At the bottom, there are two radio buttons: 'Simple Answer' (which is selected) and 'MCQ'.

View Questions

Here you can view the questions that are saved in the database. Click on Title to display them by their label. Type a word in the search box to search the questions by content.

From this tab it's possible to create new questions by clicking on the button Create. If you select a question you can edit it by clicking on the button Edit, or delete it by clicking on the button Delete.



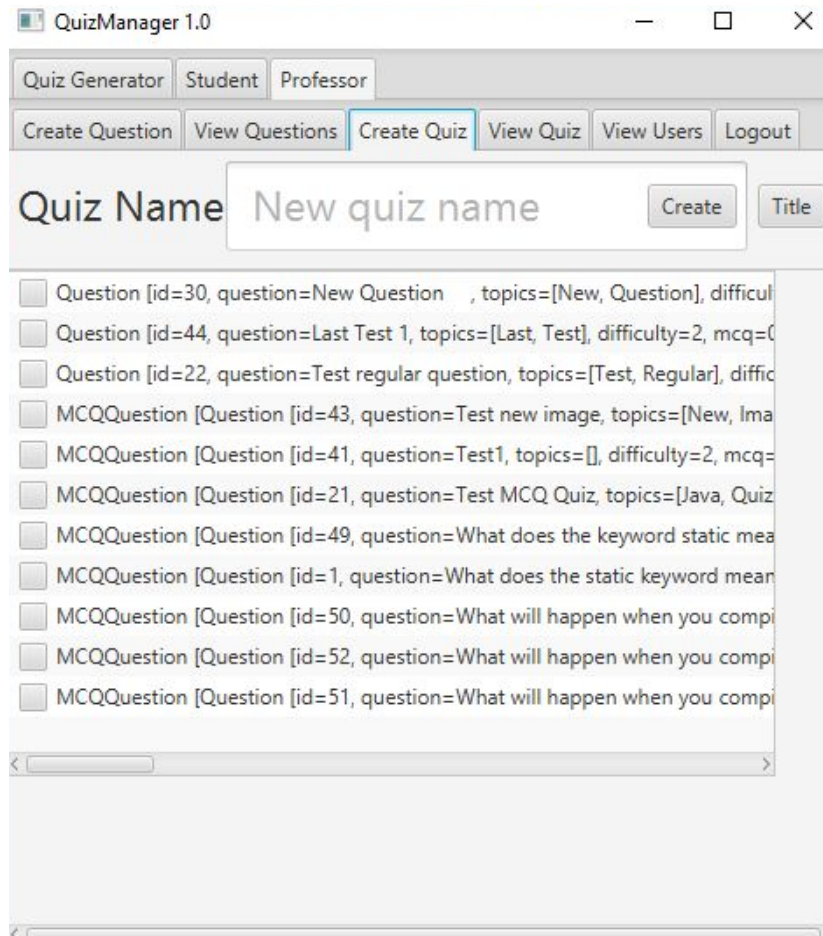
Create Quiz

Here it's possible to create custom quizzes with the selected questions from the database. To do so, you must:

- Select the desired questions that will compose the quiz.
- Type a name for the quiz.
- Click on the button Create.

You can choose to view the questions by their label clicking on the button Title.

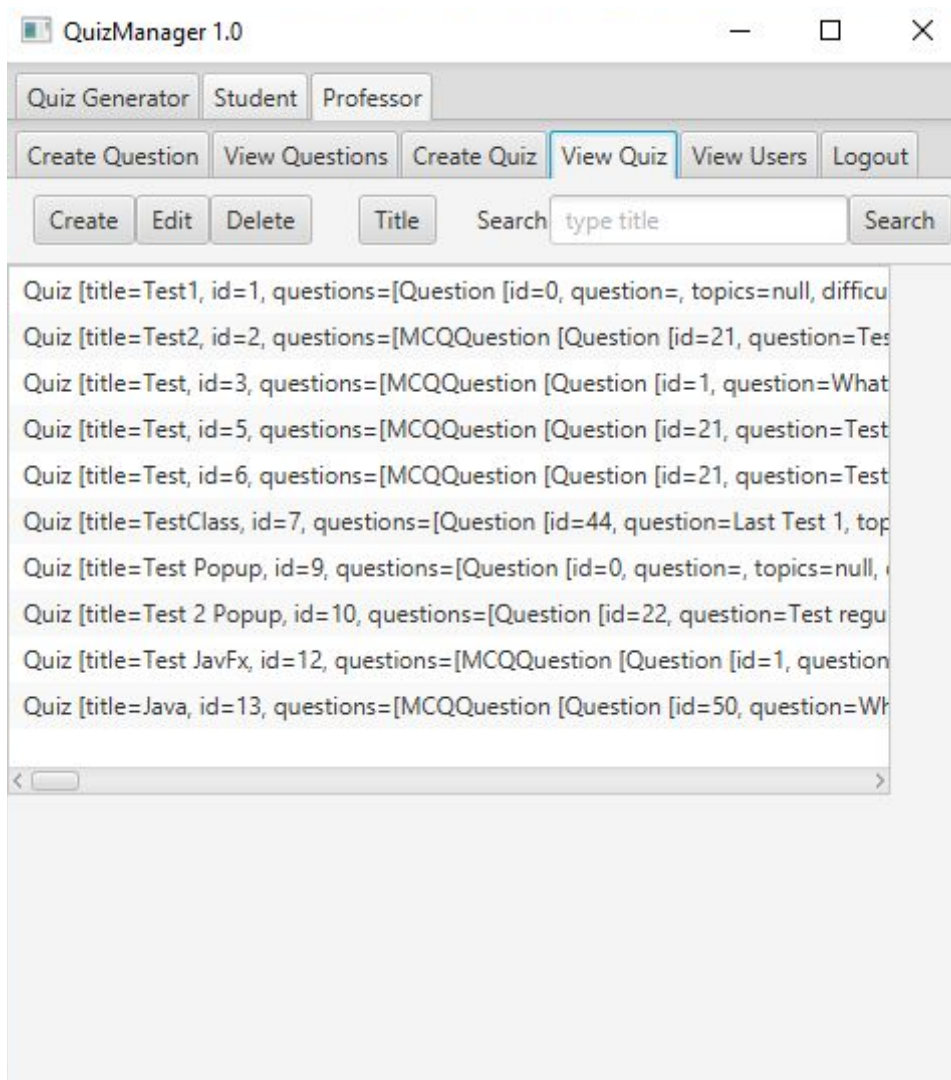
It's possible to export the quiz to a .pdf file by clicking on the button Export. The file will be saved on the program folder in the format quiz_name.pdf



View Quiz

Here you can view the quizzes that are saved in the database. Click on Title to display them by their name. Type a word in the search box to search the quiz by name.

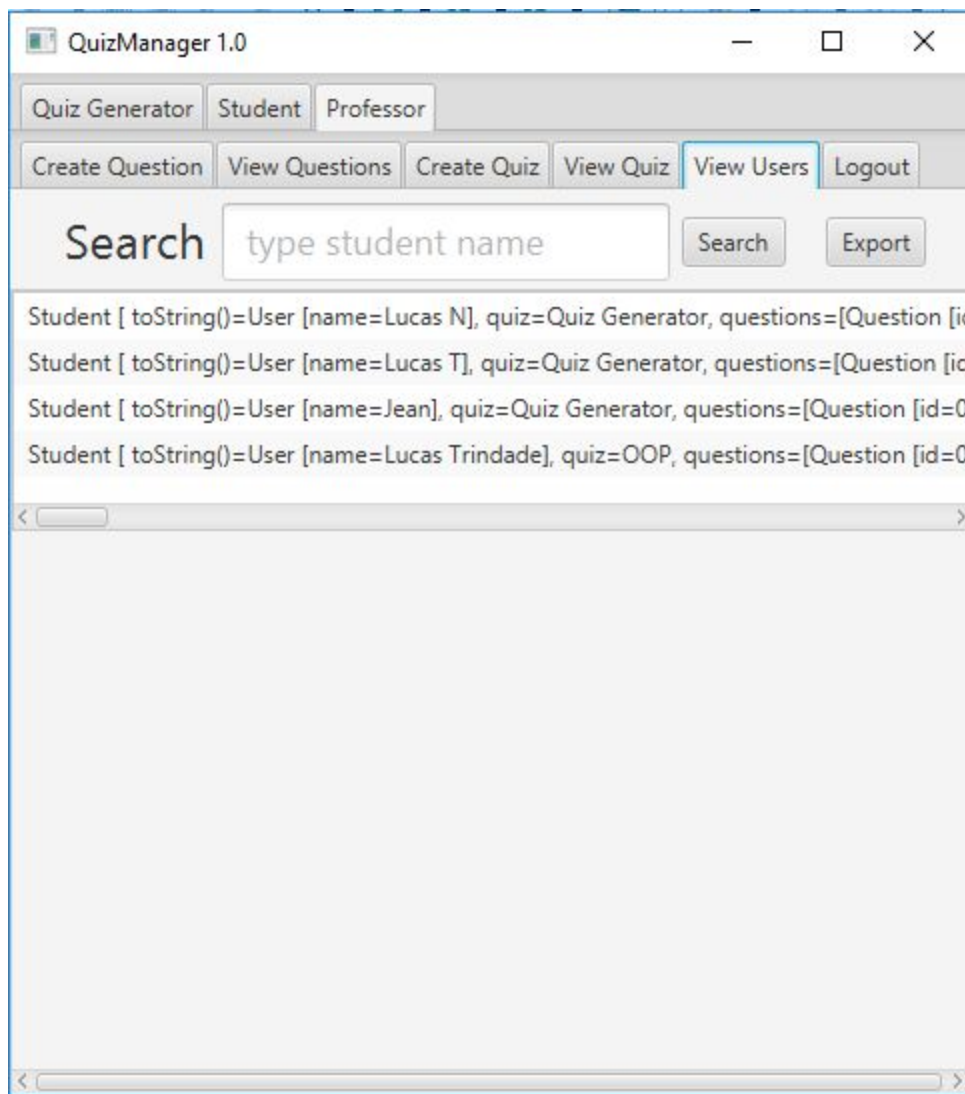
From this tab it's possible to create new quizzes by clicking on the button Create. If you select a quiz you can edit it by clicking on the button Edit, or delete it by clicking on the button Delete.



View Users

Here you can export the questions and answers submitted by the students to a .pdf file. Click on their name in then click on Export. The file will be saved on the program folder in the format quizName-studentName.pdf

In the exported file, each question and answers will be displayed in a page. Correct answers will be marked in green, wrong answers will be marked in red.

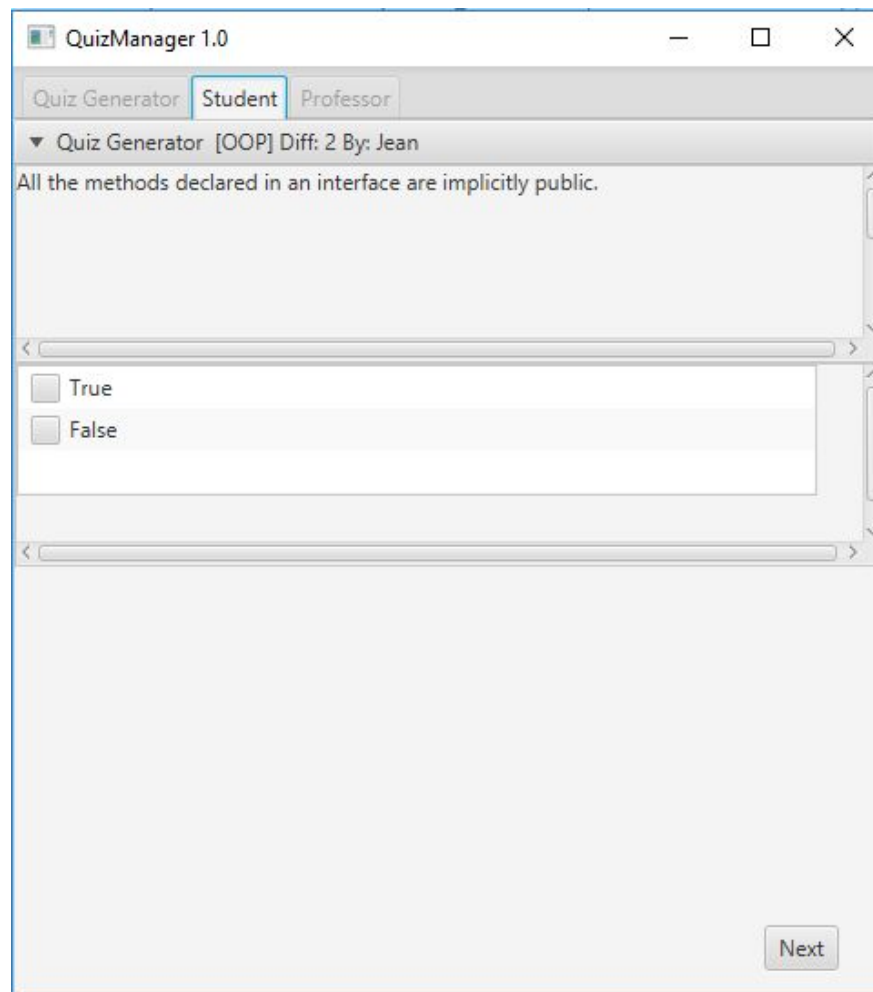


Quiz

During the quiz you will be faced with three possible types of questions:

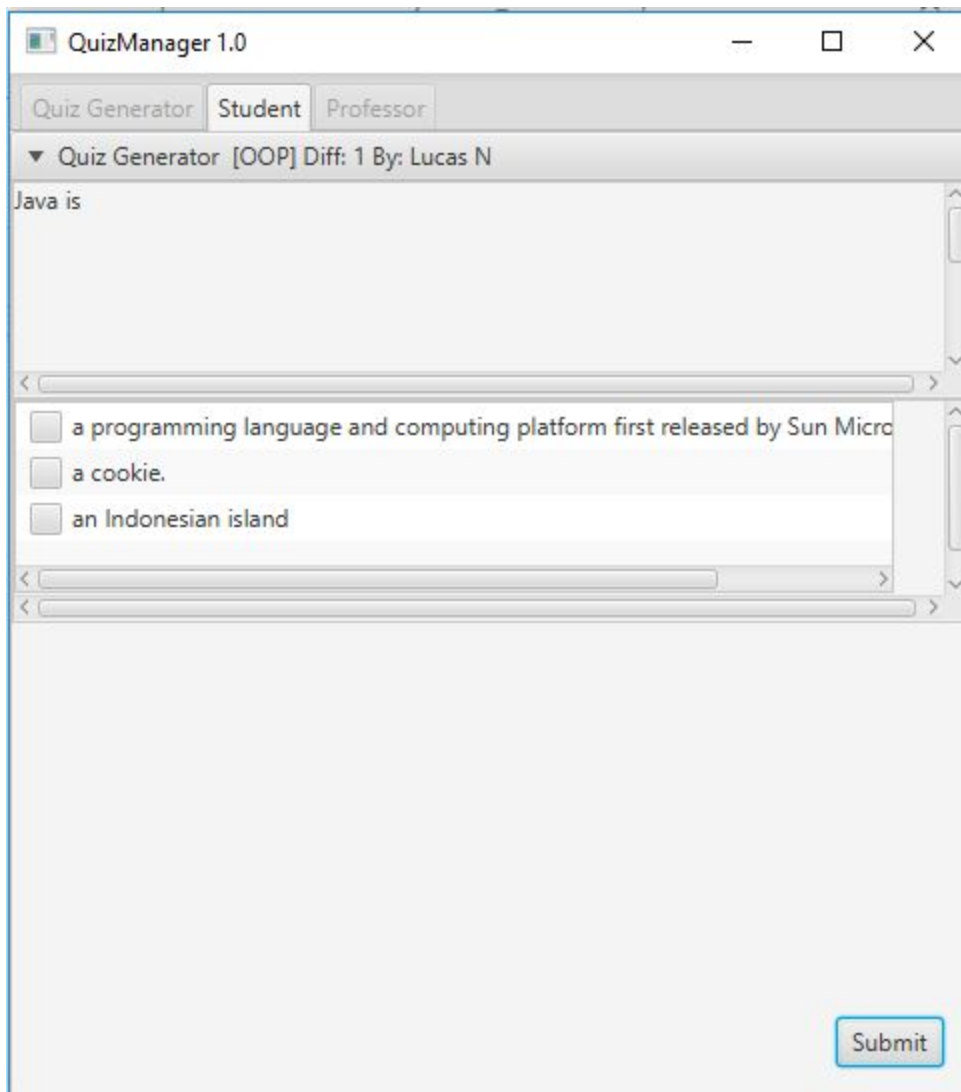
Multiple Choice Questions

You will be prompted a question and a list of possible choices. You may select none, one or more choices.



Associative questions

You will be prompted a preposition and a list of possible descriptions. You may select none, one or more choices.



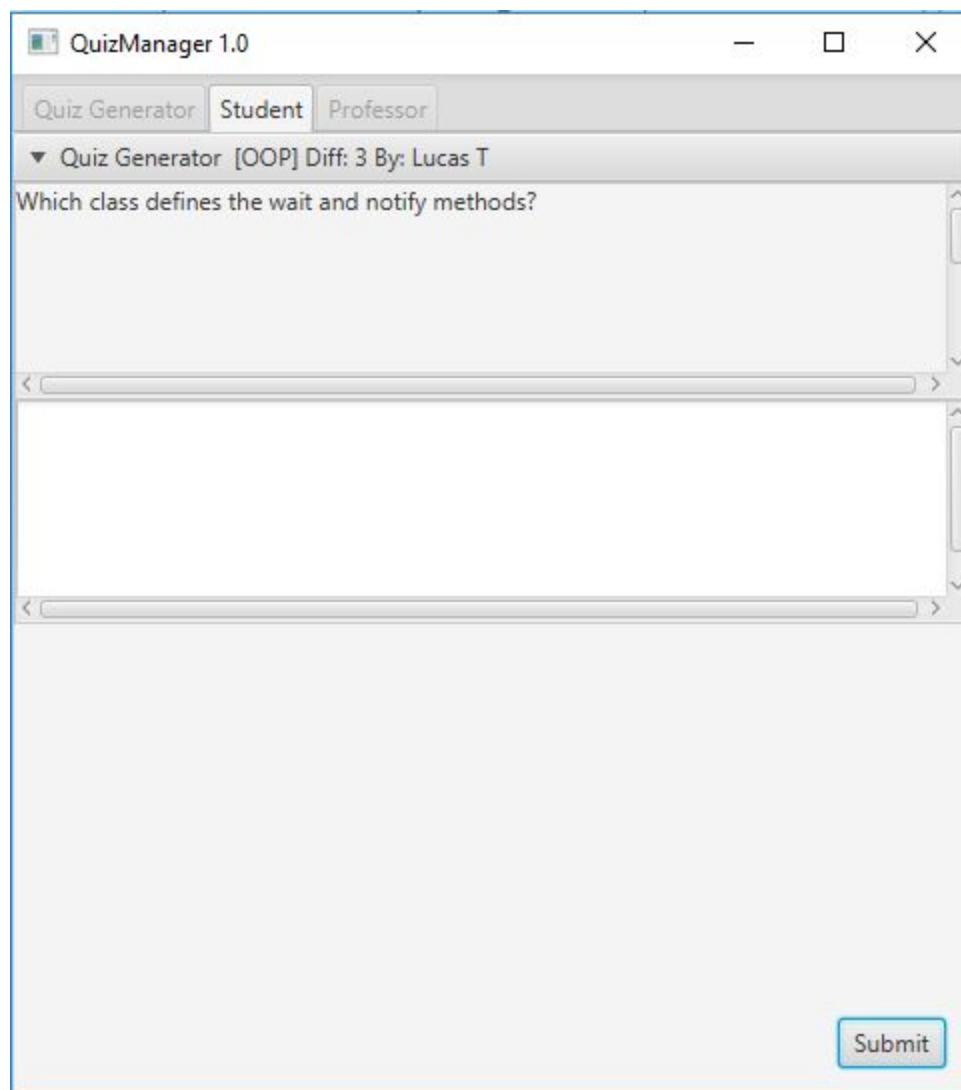
The screenshot shows a software window titled "QuizManager 1.0" with standard Windows window controls. Inside the window, there are three tabs: "Quiz Generator", "Student" (which is selected), and "Professor". Below the tabs, a dropdown menu shows "Quiz Generator [OOP] Diff: 1 By: Lucas N". The main content area displays the question "Java is" followed by a large empty text box for the user's answer. Below this, there is a list of three possible descriptions, each preceded by an unchecked checkbox:

- ☐ a programming language and computing platform first released by Sun Micro
- ☐ a cookie.
- ☐ an Indonesian island

At the bottom right of the window, there is a "Submit" button. The interface includes horizontal and vertical scrollbars for the question text and the list of options.

Open Questions

You will be prompted a question and a field to type your answer. This type of question will not be correct automatically, your professor will have access to your answer in order to grade.



The image shows a screenshot of a web application titled "QuizManager 1.0". The application has three tabs: "Quiz Generator", "Student" (which is currently selected), and "Professor". Below the tabs, there is a dropdown menu showing "Quiz Generator [OOP] Diff: 3 By: Lucas T". The main content area displays a question: "Which class defines the wait and notify methods?". Below the question is a large, empty text input field for the user's answer. At the bottom right of the input field is a "Submit" button. The application window has standard window controls (minimize, maximize, close) in the top right corner.