



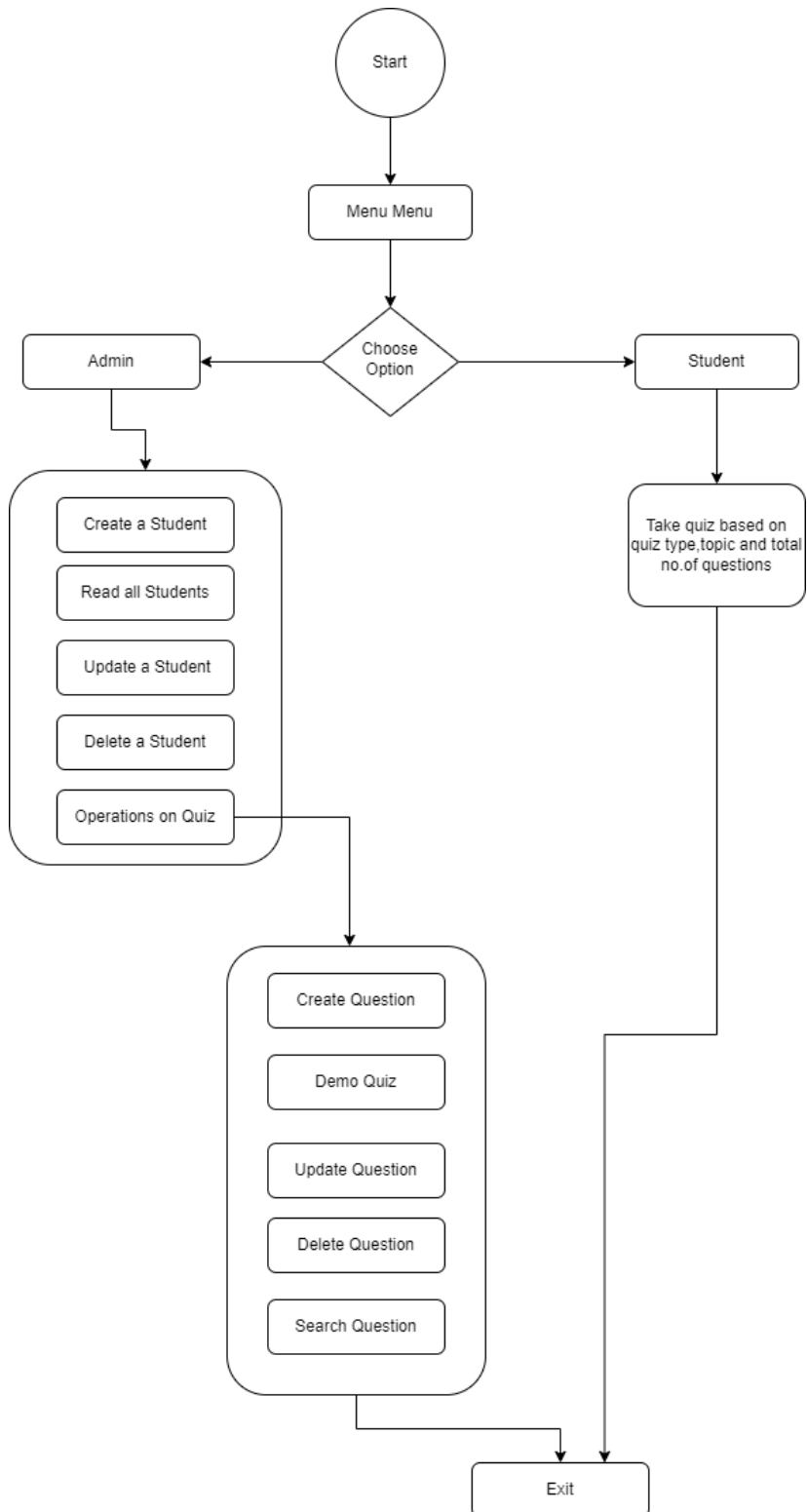
TECHNICAL GUIDE

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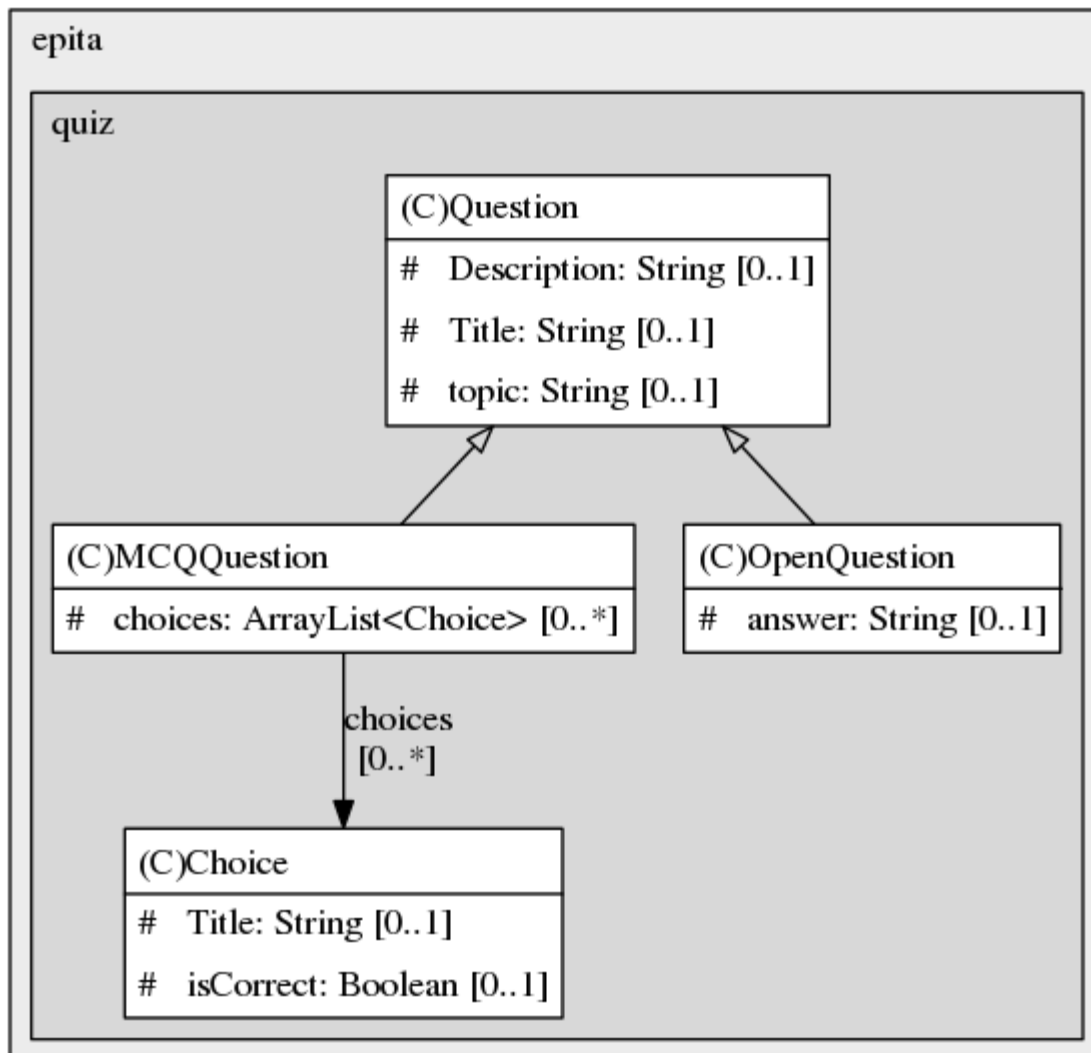
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16-08-2022

Overall Flow Chart:



DataModel Diagram:



As can be seen from above diagram, both MCQQuestion and OpenQuestion classes are child class for the Question parent class .

Choice class is the arraylist of choices in the MCQQuestions.

UML Model Diagram:

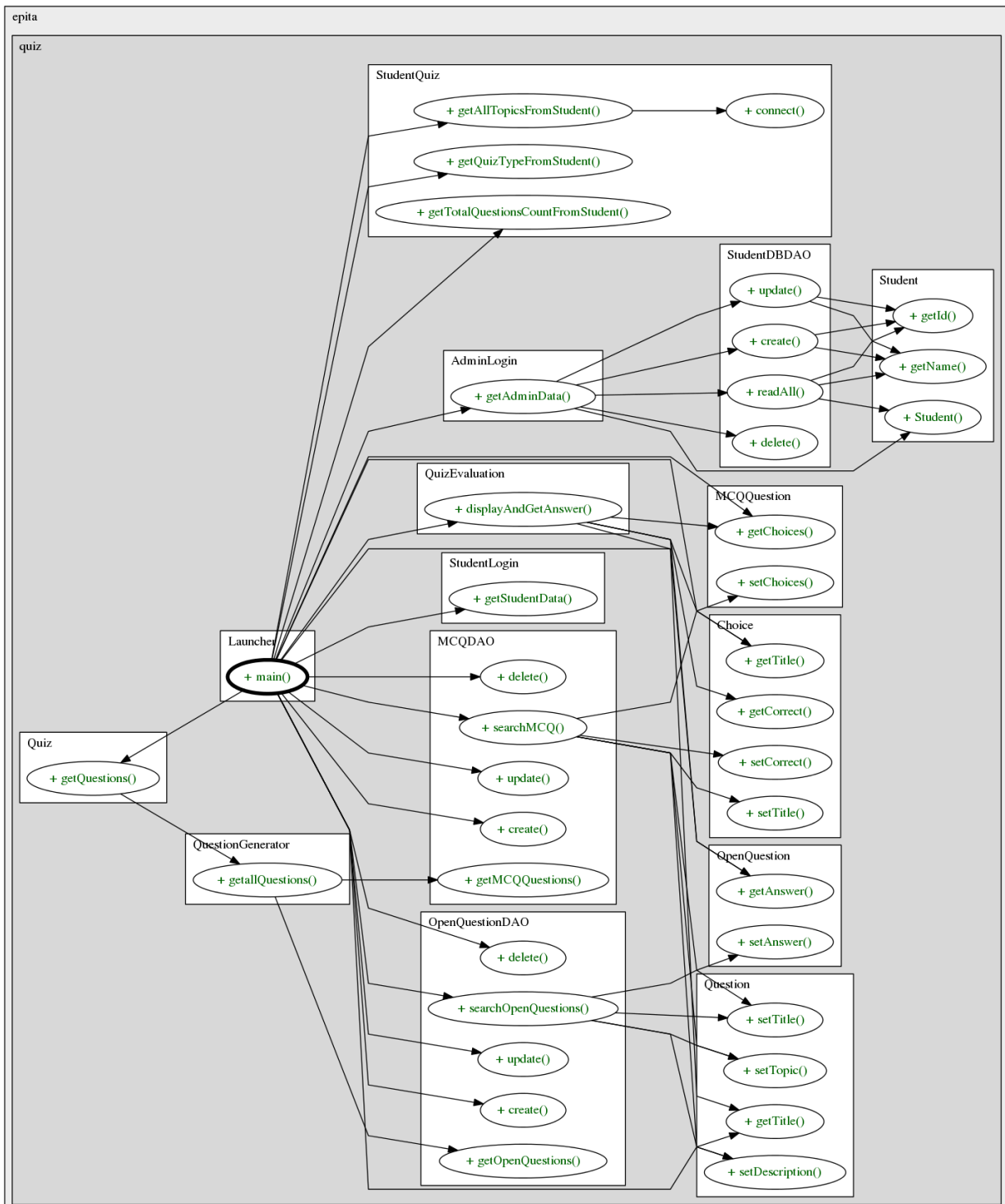


Figure 1: UML Model Diagram

Launcher:

Program starts here.

QuestionGenerator:

getAllQuestions():

It has a method to generate a question.

Admin login:

Step 1: Enter the Admin username and password

Step 2: CHECK the Admin login is successful

Step 3: choose the operation you want to perform

Step 4: Enter the required details

Step 5: CHECK the operation is successful

Step 6: Exit the Admin login

Student login:

Step 1: Enter the Student username and password

Step 2: CHECK the Student login is successful

Step 3: choose the operation you want to perform

Step 4: Enter the required details

Step 5: CHECK the operation is successful

Step 6: Exit the application

MCQDAO class:

It has the following methods:

1. create question():

This method is used to create a question

2. Demo quiz():

This method is used to take a demo quiz

3. update question():

This method is used to update a question

4. delete question():

This method is used to delete a question

5. Search MCQquestion():

This method is used to search a question

OpenQuestionDAO class:

It has the following methods:

1. create question():

This method is used to create a question

2. Demo quiz():

This method is used to take a demo quiz

3. update question():

This method is used to update a question

4. delete question():

This method is used to delete a question

5. Search Openquestion():

This method is used to search a question

StudentDBDAO class:

It has the following methods:

1. create student():
This method is used to create a student
2. update student():
This method is used to update a student
3. delete student():
This method is used to delete a student
4. readAll student():
This method is used to read all the students

QuizEvaluation:

- 1.displayAndGetAnswer():
This method is used to get the answer from the user
2. displayAndGetAnswersForMCQ():
This method is used to display the question and get the answers from the user
- 3.displayAndGetAnswersForOpen():
This method is used to display the open_question and get the answers from the user

StudentQuiz:

It has the following methods:

1. getQuizTypeFromStudent():
This method is used to get the quiz type from the user
2. getTotalQuestionsCountFromStudent():
This method is used to get the total questions count from the user
3. getAllTopicsFromStudent():
This method is used to get the topics from the user