2016A7PS048H-OOPS MINI PROJECT

* Use of Swing,awt for design.
* Use of awt event handling for actions.
* Use of 'defined' class to store Subject input and Test Range Input.
* Done to minimize no. of classes/frames required(3 instead of 9).
* String class used extensively for operations in Add, Modify, Delete.
* Window handling event listeners to close/dispose frames on clicking the X button in the window.
* FileWriter used to write data to files.
* BufferedReader used to read files line-by-line.
* First line in file is used to denote total number of questions present in the file currently(Updated, if needed, after every operation).
* Delimiters like 'Q1','A1' used to find lines with required data.
* Main window with Admin(backend) and Test options.
* Select and selectTest classes to handle Subject requests, stored in 'defined' class.
* Add class with options to set question type, with data fields for Options in case of MCQ.
* Modify class which allows user to modify a particular question.
* Delete class which recopies Q&A's to the file except the input.
* Functionality to generate tests with specified number of questions, with exception handling for cases with input greater than no. of questions available.
* Random numbers generated for generating test, and questions are marked 'read' when encountered to avoid repetition.
* Program Flow to add Question: Main->login->select->add.
* Program Flow to delete Question: Main->login->select->delete->Enter number.
* Program Flow to modify Question: Main->login->select->Modify->Enter number.
* Program Flow for Test generation: Main->Test->Enter range->Gen Q.



