

GALGOTIAS UNIVERSITY

PROJECT NAME :- ONLINE MCQ QUIZ SYSTEM

TEAM NAME :- VISIONARY

TEAM MEMBERS NAME

- **AYUSH YADAV (TEAM LEADER)**
- **HAPPY SAINI**
- **MANVENDRA SINGH**
- **HARSH PRATAP SINGH**

Here is your **final project documentation change report**, including **enhanced features, proposed improvements, and how your .java class files integrate into the updated Quiz/Exam Management System.**

Final Change Report: *Quiz/Exam Management System*

Original Project Summary (from your PDF)

The current "Online MCQ Quiz System" includes:

- Admin panel for question management
 - Student panel for test participation
 - Java Swing for GUI
 - Java JDBC for MySQL database connectivity
 - Results stored and retrieved through MySQL
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Final Changes & Additions Report

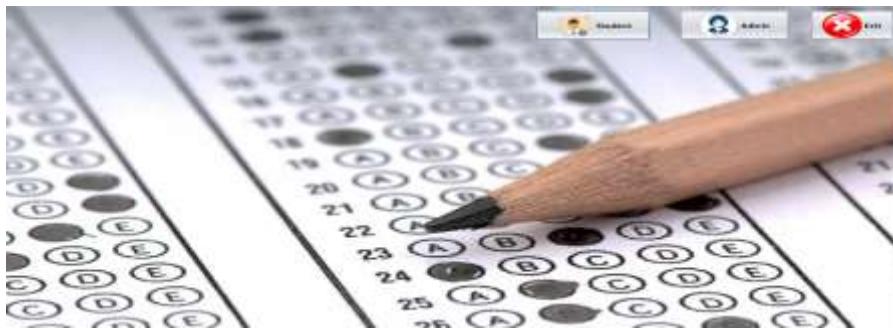
Here are the **updated modules** and **final documentation improvements** based on the .java classes you listed:

1. Index.java

Current: Serves as the application entry point.

Proposed Enhancement:

- Add a welcome screen with options for “Admin Login” or “Student Login.”
- UI polish with logos or institution name.

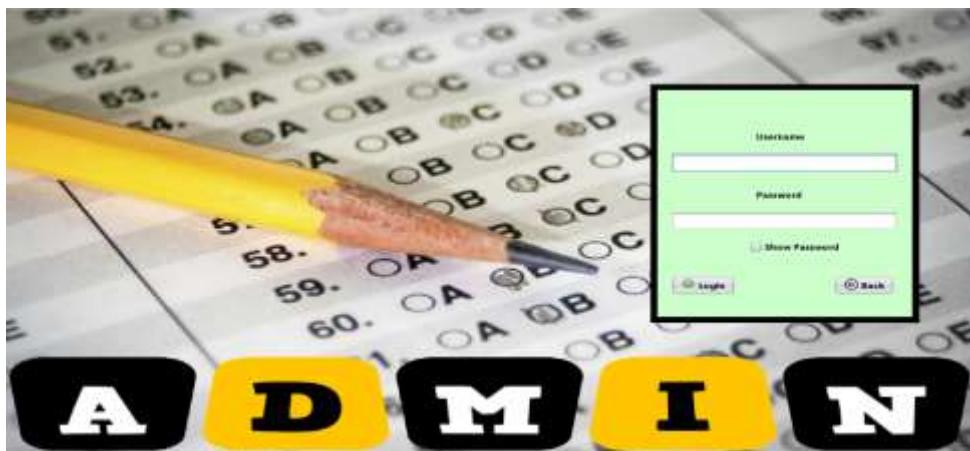


◆ 2. loginAdmin.java

Current: Allows admin authentication.

Proposed Enhancement:

- Add “Forgot Password” logic or CAPTCHA.
- Implement hashed password verification (security improvement).

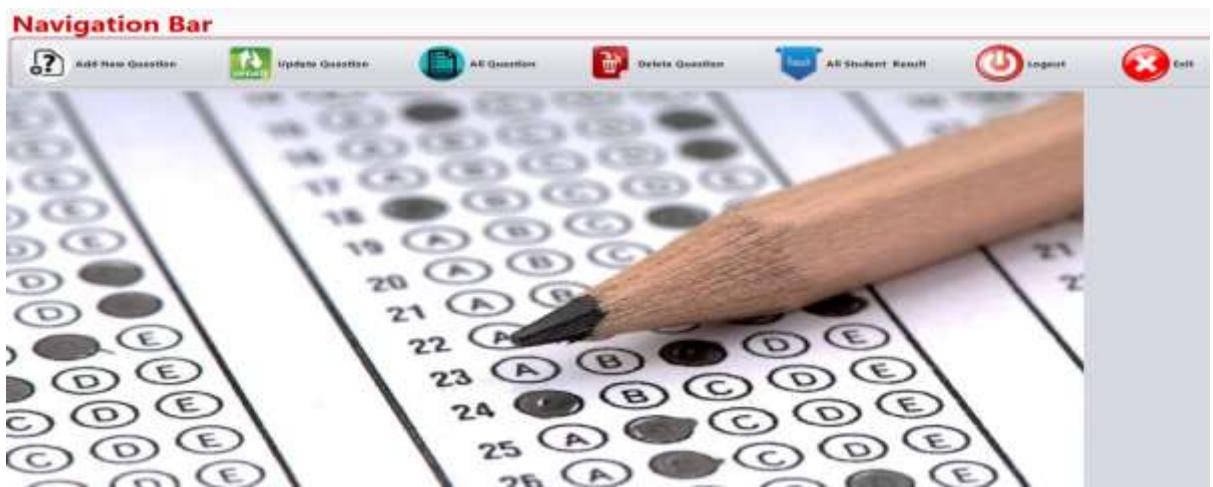


◆ 3. adminHome.java

Current: Main admin dashboard with navigation.

Proposed Enhancement:

- Add search/filter options for questions and students.
- Show summary cards (Total Questions, Attempts, etc.).



◆ 4. addNewQuestion.java

Current: Allows admin to add new questions.

Proposed Enhancement:

- Add image-based question support.
- Enable bulk upload via CSV/Excel.
- Validation prompts on empty fields.

The image shows a user interface for adding a new question. At the top, there is a title bar with a question mark icon and the text "ADD NEW QUESTION". In the top right corner is a red "X" button. The main area contains fields for inputting question details:

- Question ID : **2**
- Question :
- Option 1 :
- Option 2 :
- Option 3 :
- Option 4 :
- Answer :

At the bottom of the form are two buttons: "Save" and "Clear".

◆ 5. updateQuestion.java

Current: Admin updates question data.

Proposed Enhancement:

- Add question preview before saving.
- Auto-save feature during edit.

The screenshot shows a yellow-themed web form titled "UPDATE QUESTION". At the top left is a green "UPDATE" icon. On the right is a red "X" button. The form contains fields for "Question ID" (with a search icon), "Question", "Option 1" through "Option 4", and "Answer". Below these are "Update" and "Clear" buttons. The entire form is set against a light blue background.

◆ 6. deleteQuestion.java

Current: Admin deletes questions via ID.

Proposed Enhancement:

- Add a confirmation dialog with question text before deletion.
- Add undo option or soft delete (mark as inactive).

The screenshot shows a yellow-themed web form titled "DELETE QUESTION". At the top left is a red "Delete" icon. On the right is a red "X" button. The form contains fields for "Question ID" (with a search icon), "Question", "Option 1" through "Option 4", and "Answer". Below these are "Delete" and "Clear" buttons. The entire form is set against a light blue background.

◆ 7. allQuestion.java

Current: Shows all questions in a table.

Proposed Enhancement:

- Add search bar, pagination, and sorting.
- Option to filter by topic or difficulty.

The screenshot shows a yellow-themed application window titled "ALL QUESTION". At the top, there is a search bar with the placeholder "All keywords in Case In". Below the search bar are several filter options: "opt1" (set to "LowerCase"), "opt2" (set to "UpperCase"), "opt3" (set to "CamelCase"), "opt4" (set to "None"), and "opt5" (set to "LowerCase"). On the right side of the window is a red "X" button.

◆ 8. studentDetails.java

Current: Gathers student info before quiz.

Proposed Enhancement:

- Validate email/roll number.
- Save info in users table for result mapping.

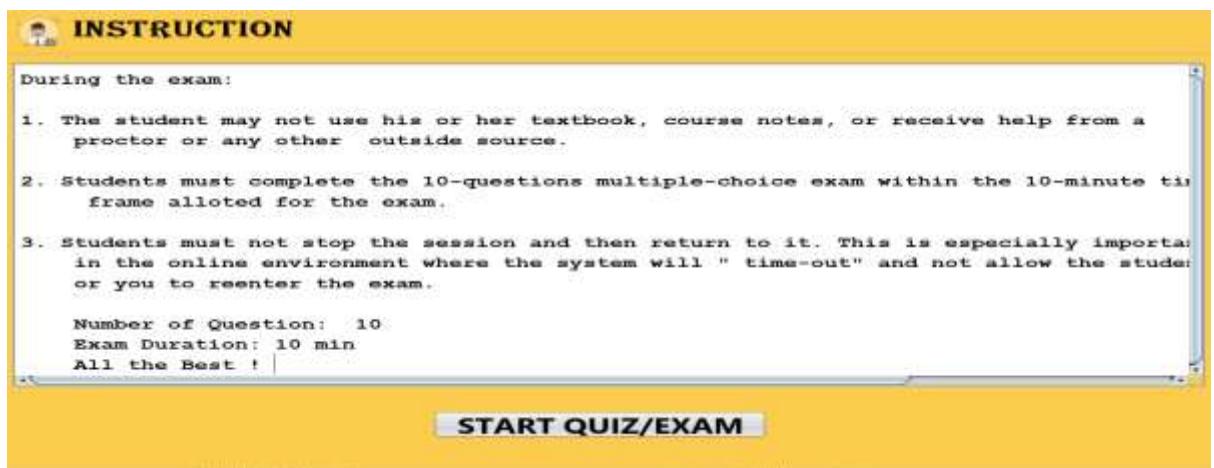
The screenshot shows a yellow-themed application window titled "FILL UP THE FORM". At the top, it displays the date "09-06-2025" and buttons for "Back" and "X". The form contains fields for "Roll Number", "Name", "Father Name", "Mother Name", "Gender" (with "Male" selected), "Contact Number", "Email", "10th", "12th", "Graduation", and "Address". To the right of the form is a text box containing a message about the examination management system. At the bottom, there are three sets of input fields for "Enter School Name", "Enter Percentage", and "Enter Passout Year", each with three corresponding input boxes below them. A "Save & Next" button is located at the bottom center.

◆ 9. instructionStudent.java

Current: Displays quiz instructions.

Proposed Enhancement:

- Add countdown timer for quiz start.
- Include option to download instructions as PDF.



◆ 10. quizExamStudent.java

Current: Displays MCQs for the student to answer.

Proposed Enhancement:

- Add progress bar and countdown timer.
- Auto-submit when time expires.
- Allow image/audio-based questions.



◆ 11. successfullySubmitted.java

Current: Confirmation and score display screen.

Proposed Enhancement:

- Add breakdown (Correct/Wrong/Unanswered).
- Allow export result as PDF.
- Email result to student (optional SMTP feature).



◆ 12. allStudentResult.java

Current: Admin view of all results.

Proposed Enhancement:

- Export results to Excel or PDF.
- Graphical result visualization (bar chart, pie chart).
- Filter by date, score range, or student ID.

rollNo	name	fatherName	motherNa...	gender	9th	email	tenthUnive...	tenthPerce...	tenthPass...	twelvUniv...	twelvePer...	twelvePas...	graduation
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2412	Tushar Sal...	Harihar Sin...	Kiran Devi	Male	90%	tushar3168...	S.V. PUBL...	74	2020	S.M.S. SE...	82	2022	GALGOTI...
211310	Amrit Kumar	XYZ	ABC	Male	100%	abc@gmail...	PGR	70	2020	ABC	80	2022	XYZ
12345	Piyal Saini	Mangal sin...	Saloni Devi	Female	95%	7819993168...	xyz@gmail...	abc	2022	xyz	90	2024	pqr
1234	Shree Rajan	Santosh R...	Nedam D.	Female	100%	1234567890...	shree123...	abc	2021	xyz	99	2023	galgatas u...



Additional Enhancements

Area	Suggested Change
UI Design	Apply consistent color theme, add institutional branding
Database Security	Use prepared statements to avoid SQL injection
User Roles	Add teacher or evaluator role (optional)
Analytics Module	Track most missed questions, average score, attempt count
Mobile Support	Plan Android version using JavaFX or Kotlin (future scope)



Summary of New Features Proposed

Feature	Benefit
Search & Filter in Questions	Easier management for large databases
Timer and Auto-Submission	Enforces exam discipline
Result Export & Email	Increases professionalism and usability
CAPTCHA and Password Hashing	Improves security and integrity
CSV Bulk Upload	Saves admin time on question input



Conclusion

With these final enhancements and module documentation, your **Quiz/Exam Management System** becomes more robust, user-friendly, and production-ready. These changes also support scaling the system for larger institutions or competitive testing platforms.