



CSE 2100: SOFTWARE DEVELOPMENT II

PROJECT PROPOSAL

Project Name: Class Management
System

Group Members:

- Md. Monim Hossain – 190104062
- Md. Shakir Mahmud – 190104063
- Rakib Hasan Bappy - 190104067

- Rafiur Rahman Siddiqui – 180204006

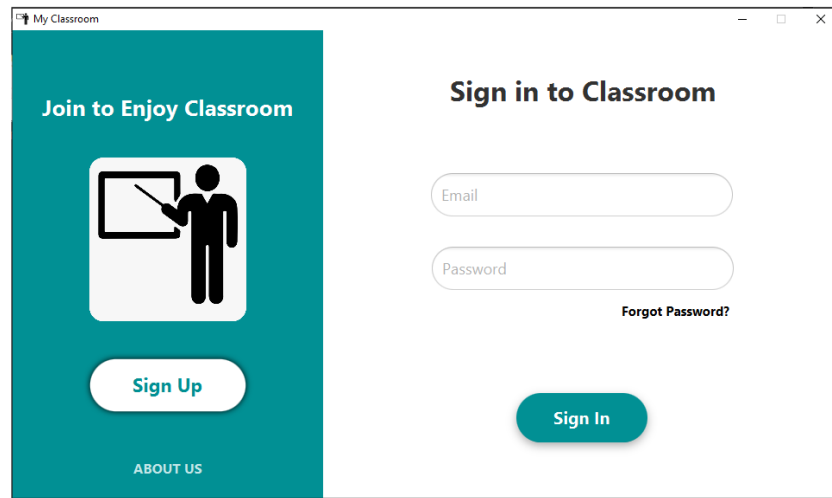
Introduction:

Class management system is an application by which a teacher can monitor his students easily. Here, teacher can give attendance and marks to his students and at the same time students can access those.

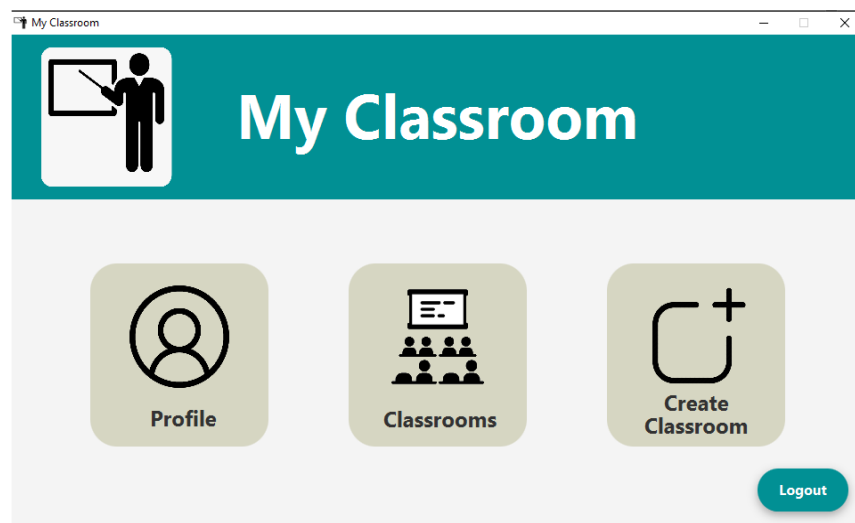
Motivation for choosing the topic:

In this pandemic situation, most of our teachers have to face difficulties managing the attendance, exam marks which results in wastage of valuable time. To solve this problem, we want to make a user-friendly application for teachers of all kind of different institutions like schools, colleges and universities. With our application, teachers can manage their students' attendance and calculate it only by a couple of clicks. Besides, the application has a feature to manage the exam marks of the students easily. Even the teachers can convert the marks into a specific percentage that will reduce their trouble vastly. At the same time, teacher can give announcement to their specific classroom. Students, included in the classroom, also can see their marks, date wise attendance and announcement in the meantime.

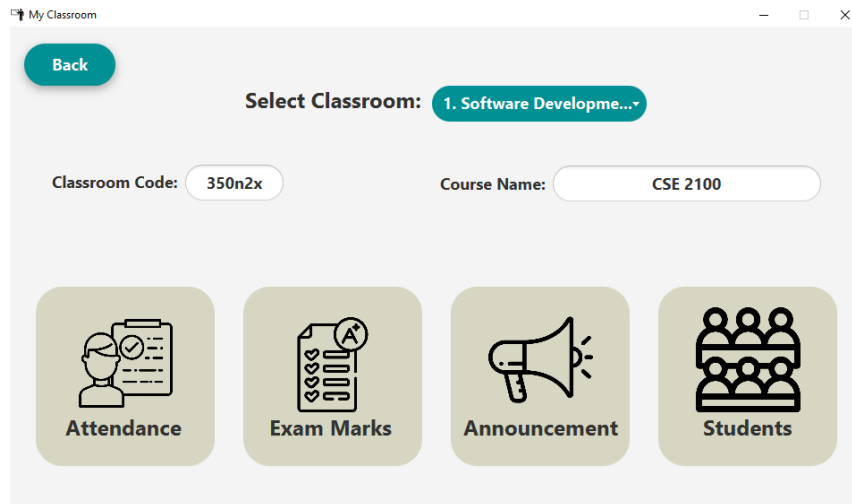
Description of the project:



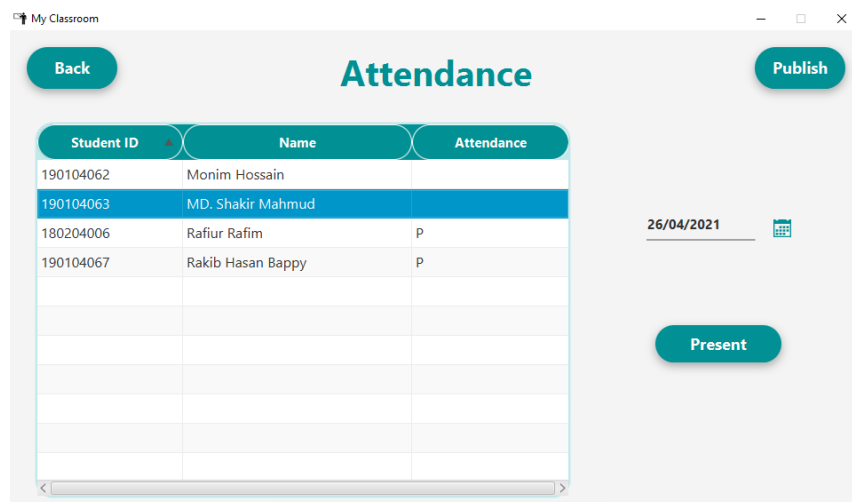
This is our login page. You can login with your teacher or student account. There is an option to recover your password if you forget it.



This is the teacher's dashboard. Here, a teacher can see his/her profile and classrooms. He/she also can create a classroom.



Teacher can manage his/her classroom from here.



Teacher can give attendance to his/her students for a specific date here.

My Classroom

[Back](#)

Exam Marks

[Publish](#)

Student ID	Name	Marks	Converted Marks
190104067	Rakib Hasan Bappy	8.0	12.0
180204006	Rafiur Rafim	9.0	13.5
190104062	Monim Hossain	5.0	7.5
190104063	MD. Shakir Mahmud	1.0	1.5

Exam Name:

Quiz 01

Total Marks:

10

Converted Total Marks:

15

Marks:

Done

Teacher can give his/her students marks for a specific exam.

My Classroom

[Back](#)

Announcements

[Edit](#)

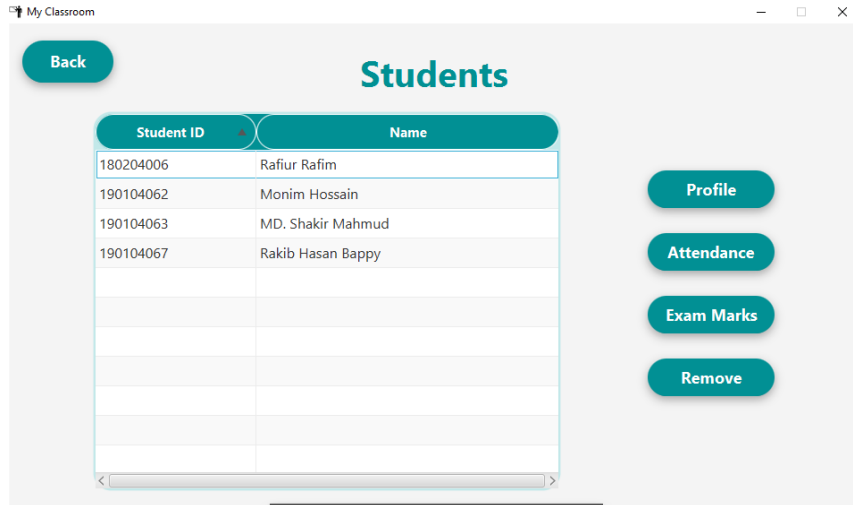
Saved!

Quiz 02 will be held on 4th April, 2021 (Sunday).

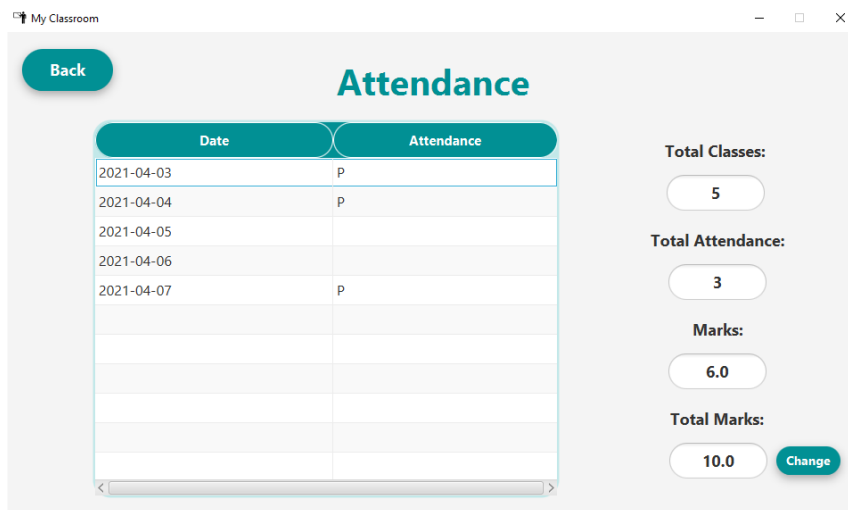
Syllabus:

Lecture 1 to 5.

Here, a teacher can give any type of announcement and students of this classroom can view this announcement.



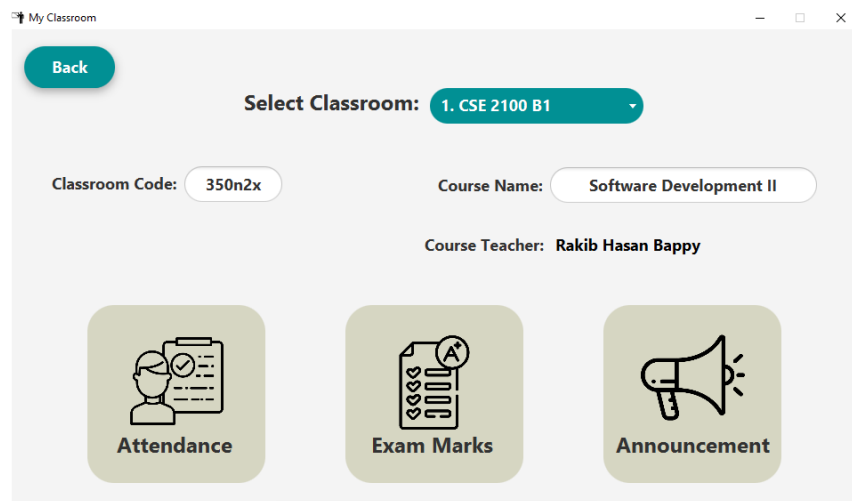
Here, a teacher can see all of his/her students of a classroom. He/she can also view a student's profile, date wise attendance and exam marks. He/she can also remove a student from the classroom.



Here, a teacher can view attendance marks of a student and can change the total marks.



This is the student's dashboard. Here, a student can see his/her profile and classrooms. He/she also can join a classroom.



Here, a student can see his/her attendance, exam marks and announcement for a specific classroom. He/she can also see the profile of the course teacher.

My Classroom

[Back](#)

Attendance

Date	Attendance
2021-04-03	P
2021-04-04	P
2021-04-05	
2021-04-06	
2021-04-07	P

Total Classes:

5

Total Attendance:

3

Here, a student can see his/her date wise attendance. He/she can also see the total number of classes and attendance.

My Classroom

[Back](#)

Exam Marks

Exam Name	Marks	Total Marks	Converted Marks	Converted Total Marks
Quiz 01	8.0	10.0	12.0	15.0
Quiz 02	8.5	10.0	12.75	15.0
Quiz 03	9.0	10.0	13.5	15.0

Here, a student can see the marks of different exams.

My Classroom

Back

Profile

Name: Rakib Hasan Bappy

Institution: AUST

Department: CSE

Year: 2nd **Semester:** 1st

Section: B **Student ID:** 190104067

Contact No: 01572136789

Email: rakibhasan15144@gmail.com

Edit

In the profile section, a student/teacher can see his/her details information and can edit this if needed.

So, this is a brief overview of our application.

Software Tools:

- Language - Java (JDK 1.8.0)
- GUI – JavaFX

- JavaFX Scene Builder – 8.5.0
- IDE – Apache NetBeans 12.0
- Database – MySQL
- XAMPP Control Panel
- Libraries:
 - Jfoenix.jar
 - Mail.jar & Activation.jar
 - mysql-connector-java-8.0.23.jar
 - org-apache-commons-codec.jar

Conclusion:

We hope that, teachers and students will be benefited by using this application. Our team will always try to improve the feature of this application based upon the feedback and demand of our users.