



SECP3204: Software Engineering WBL

## **System Design Descriptions (SDD)**

MengajiOnetoOne Salary Management System

Version 3.0

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School of Computing, Faculty of Engineering

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## 3. System Architectural Design

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### 3.1 Architecture Style and Rationale

In this system development project, our team decided to use the MVC architecture for the development. To be more specific, the system is written using the .NET Framework in the C# language.

Model-View-Controller (MVC) architecture is system architecture. This architecture consists of 3 main components which are Model, View and Controller. Model is the class and object that models around the data needed by the system. In short, it represents the data. While for view, it is about how the data is presented visually to the user in the form of a user interface. And lastly, the controller. It is the bridge between Model and View. It determines what view and model are needed when it receives interaction from the user. A user's interaction is the input it takes. And the output it produces is calling the corresponding view and model. It also performed many logical operations in the process.

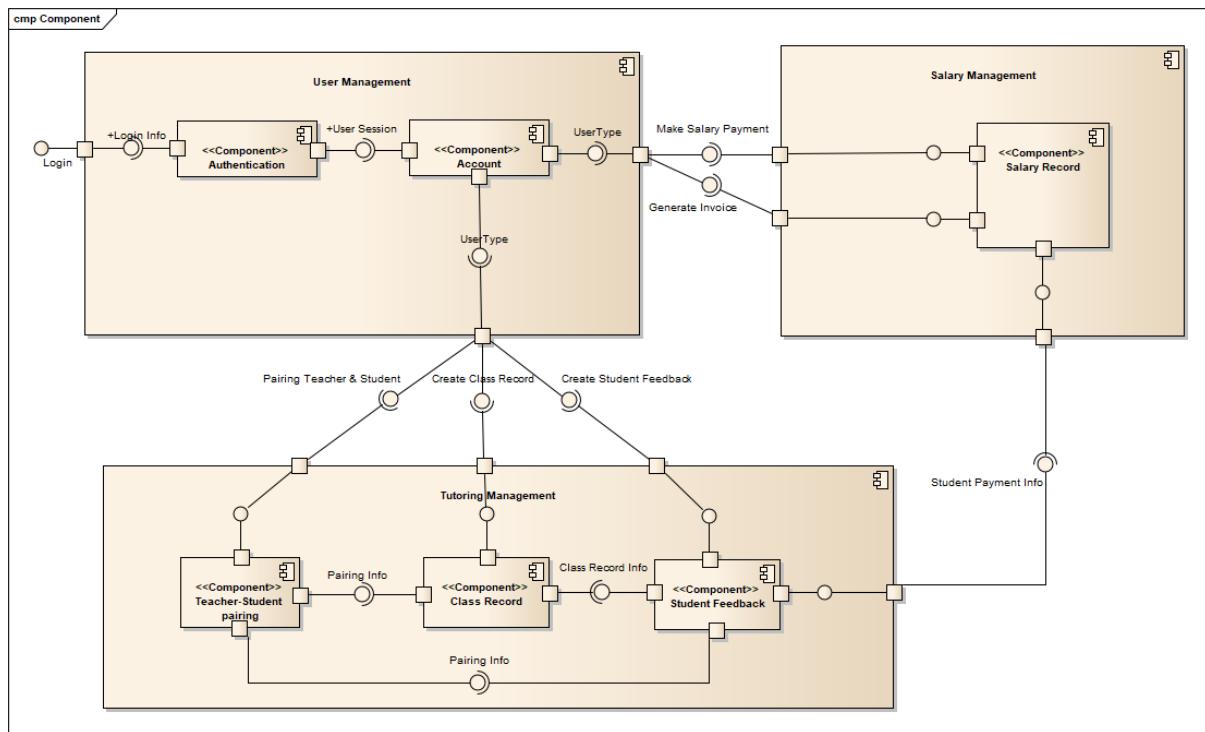
MVC Architecture is very popular among developers. Its unique way of organising the application logic and coding has gained the favour of many developers. Therefore, the developer community of MVC is very large. There are also a lot of resources and documentation for reference and learning. So choosing MVC as system architecture is definitely a rational choice.

Next, another reason we choose MVC is that it encourages modularisation. Its nature to separate application logic and coding into 3 components is in fact enforcing the modularisation practice. This can avoid code duplication a lot. And when code duplication is being cut to a minimum, human error will also happen less often. Because when there is duplicated code in a system, the developers will have to make the same changes multiple times whenever there are changes to make. This is very tiring and confusing to developers.

From the previous benefits, it also brings out another benefit of MVC which is it is suitable for team collaboration. Due to its 3-component nature, it makes the task distribution to be very easy. Developers in a team can have a clear understanding of their tasks. In other words, there won't be a situation where more than 1 developer is working on the same coding at the same time. Its 3-component also makes the integration process to be very easy and smooth for developers.

Lastly, MVC architecture is suitable for large-scale applications. This is because MVC architecture allows easy modification. The developers only need to make the changes in 1 place to let the changes take place everywhere. Therefore, it also means that the system developed with MVC is highly scalable. The developers can scale up the system easily.

## 3.2 Component Model



**Figure 3.1: Component Diagram of <MengajiOnetoOne Salary Management System>**

This Component Diagram consists of three subsystems which house components that provide corresponding functionality. Each component either interacts with each other inter or intra subsystem via interface. The three subsystems are “User Management”, “Salary Management” and “Tutoring Management”.

The “User Management” subsystem consists of an “Account” component and “Authentication” component. The “Account” component allows one to perform CRUD (Create, Read, Update and Delete) operation on users (Teacher and Student) accounts, including allowing registration of new accounts. Whereas the “Authentication” component provides user authentication service, which consists of the Login and User Session provider interface. From the view level, the Login function of the Authentication component is invoked whenever a user is logged in. Then, the User Session supplies information of the authenticated user. The “Account” component has five provider interfaces which are “Make Salary Payment”, “Generate Invoice”, “Pairing Student and Teacher”, “Create Class Record”, “Create Student Feedback”. The first two providers were invoked by Teacher users to facilitate the “Salary” process while the rest three providers were invoked by Teacher and Student users to facilitate the “Tutoring” process.

The “Salary Management” subsystem comprises the “Salary Record” component. It has three providers which are “Make Salary Payment”, “Generate Invoice” and “Student Payment Info”.

The “Tutoring Management” subsystem has components of “Teacher-Student Pairing”, “Class Record” and “Student Feedback”. These all three components are related to tutor options of the teacher hence are classified in the “Tutoring Management” subsystem. There is one provider interface called “Student Payment Info” that is functioned to send the payment info to the “Salary Management” subsystem so they can process the salary after receiving students’ payment. There are three other provider interfaces called “Pairing Student and Teacher”, “Create Class Record”, “Create Student Feedback” created according to the usertype. In the subsystem, there are two intra-connections called “Pairing Info” which are used to pair the info of “Class Record” and “Student Feedback” with the “Teacher-Student Pairing”. The Class Record Info supplies info from the Class Record to the “Student Feedback” component.

## 4. Detailed Description of Components

### 4.1 Complete Package Diagram

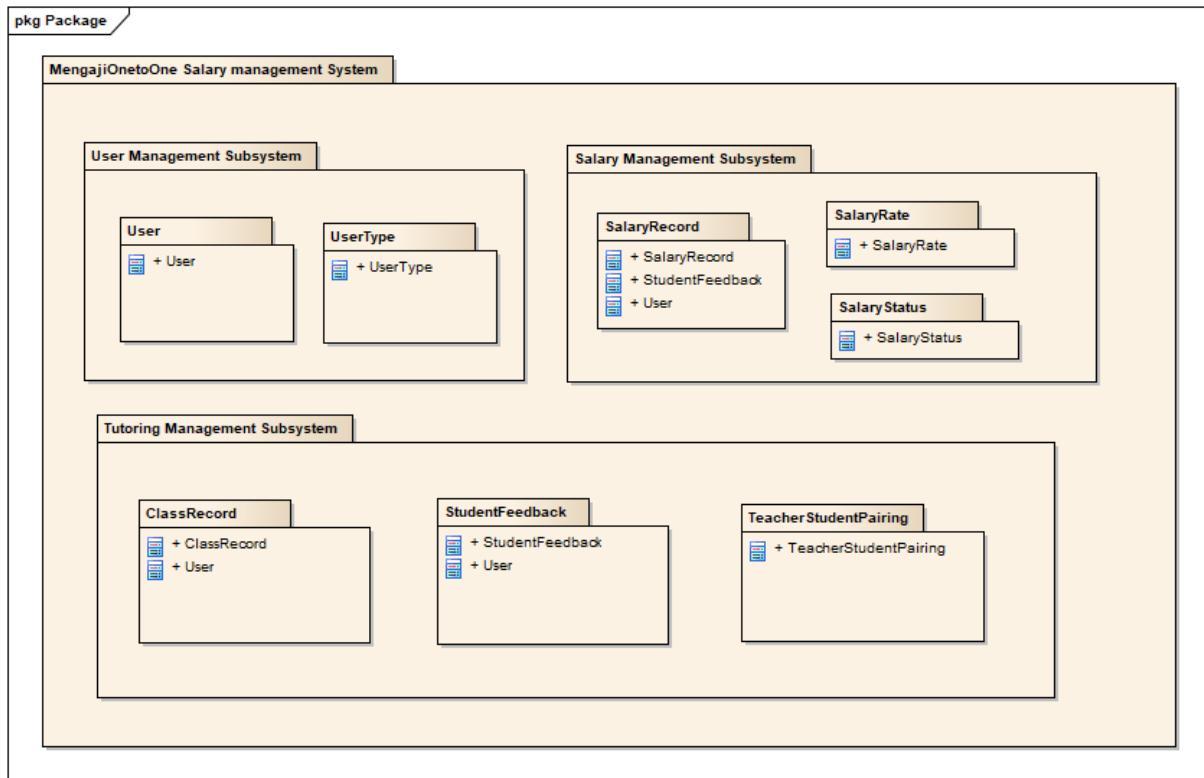


Figure 4.1: Package Diagram for <MengajiOnetoOne Salary Management System>

The MengajiOnetoOne Salary Management System has 3 subsystems as described in the previous section, which explains each subsystem's functionality and the way it works around from a general perspective diagrammatically. Every component's classes are specified to proceed with the planning and progress in the diagram above.

## 4.2 Detailed Description

Reference Table for Sequence Diagram

P001	User Management Subsystem		
UC001	Manage User	SD001	Create User
		SD002	Edit User Profile
		SD003	Delete User
		SD004	View User

P002	Tutoring Management Subsystem		
UC002	Manage Teacher-Student Pairing	SD005	Create Teacher-Student Pairing
		SD006	Delete Teacher-Student Pairing
		SD007	Read Teacher-Student Pairing
UC003	Manage Class	SD008	Create Class Proposal
		SD009	Read Class Detail
		SD010	Respond Class Proposal
		SD011	Clock In, Clock Out
		SD012	Report Class
		SD013	Resolve Class Report
		SD014	Delete Class Records
UC004	Manage Student Performance Feedback	SD015	Create Student Feedback
		SD016	Update Student Feedback
		SD017	Read Student Feedback
		SD018	Delete Student Feedback
		SD019	Generate Report

<b>P003</b>	<b>Salary Management Subsystem</b>		
UC005	Manage Salary	SD020	Salary Rate Adjustment
		SD021	Create Salary Record
		SD022	Read Salary Record
		SD023	Update Salary Record

#### 4.2.1 P001: <User Management> Subsystem

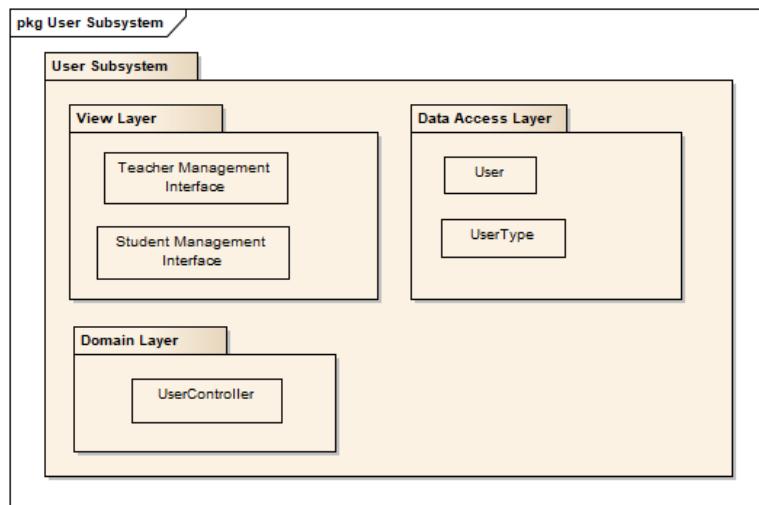


Figure 4.2: Package Diagram for <User Management> Subsystem

##### 4.2.1.1 Class Diagram

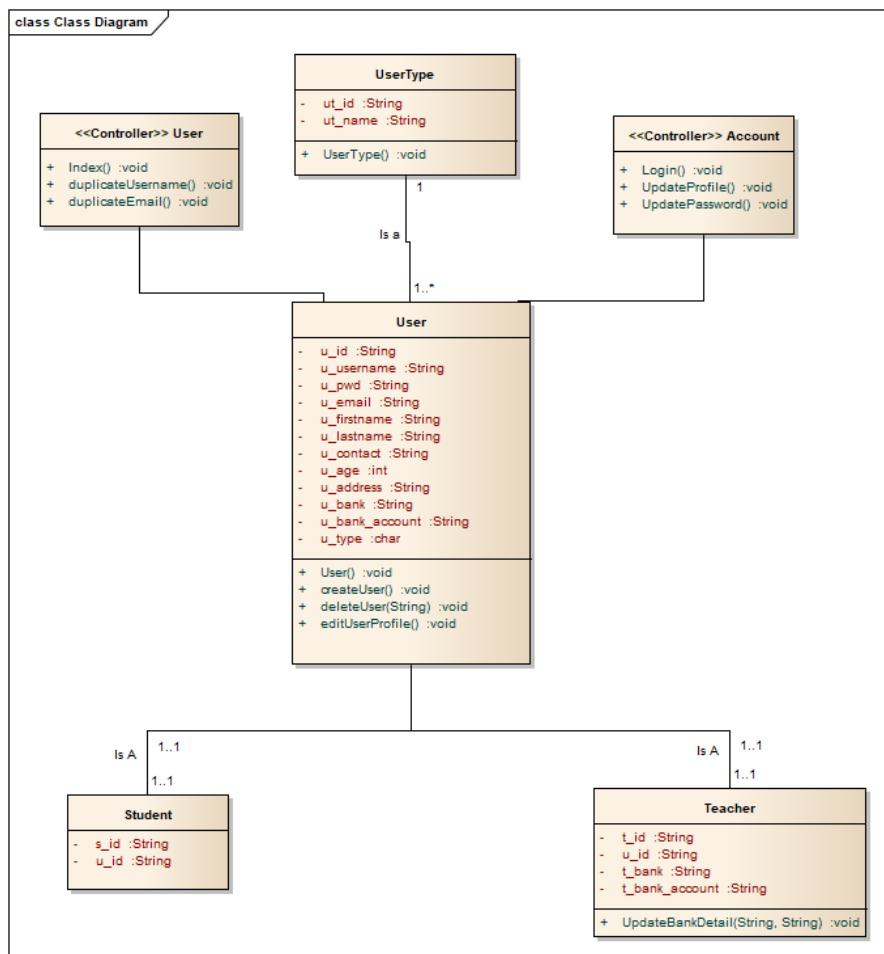


Figure 4.3: Class Diagram for <User Management> Subsystem

<b>Entity Name</b>	User
<b>Method Name</b>	createUser
<b>Input</b>	User information to be created
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Create new object with the provided information</li> <li>3. Add object to the database</li> <li>4. End</li> </ol>

<b>Entity Name</b>	User
<b>Method Name</b>	editUserProfile
<b>Input</b>	User information to be updated, UserID
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Find corresponding User according to provided information</li> <li>3. Update the User information according to provided information for their profile</li> <li>4. End</li> </ol>

<b>Entity Name</b>	User
<b>Method Name</b>	deleteUser
<b>Input</b>	UserId
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Find corresponding User according to Admin Id</li> <li>3. Change the corresponding user active into inactive in the database</li> <li>4. End</li> </ol>

<b>Entity Name</b>	User
<b>Method Name</b>	detailUser
<b>Input</b>	-
<b>Output</b>	List of User existed in the system
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>5. Start</li> <li>6. Fetch the information of all users in the system</li> <li>7. Send the information to the view</li> <li>8. End</li> </ol>

#### 4.2.1.2 Sequence Diagram

a) SD001: Sequence diagram for Create New User

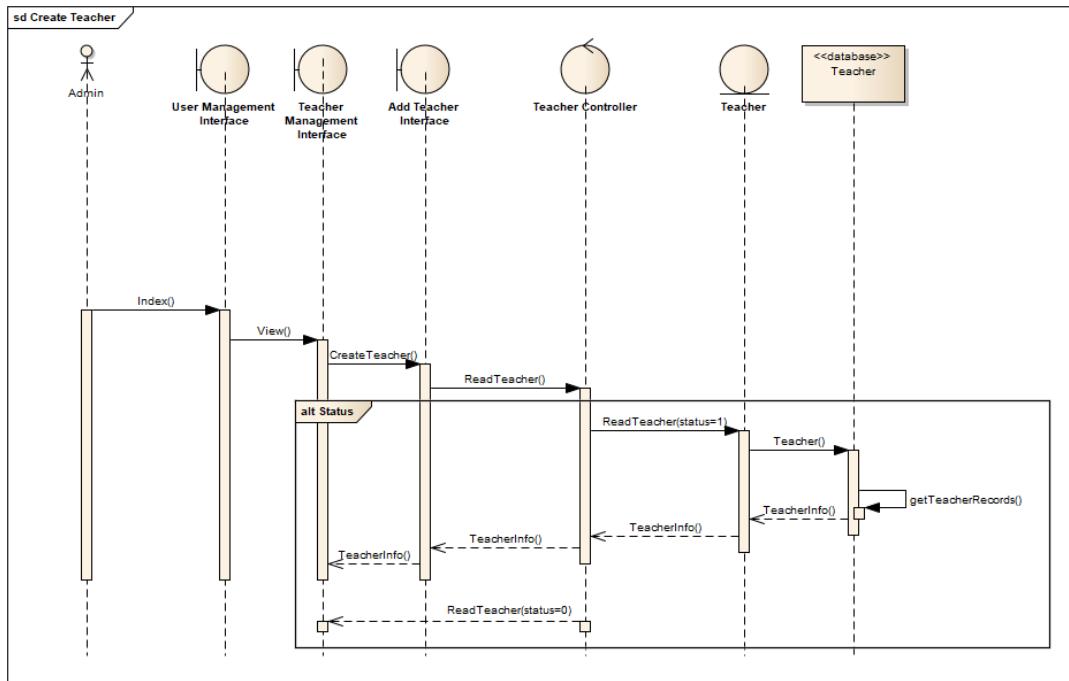


Figure 4.4: Sequence Diagram for <Create New User (teacher)>

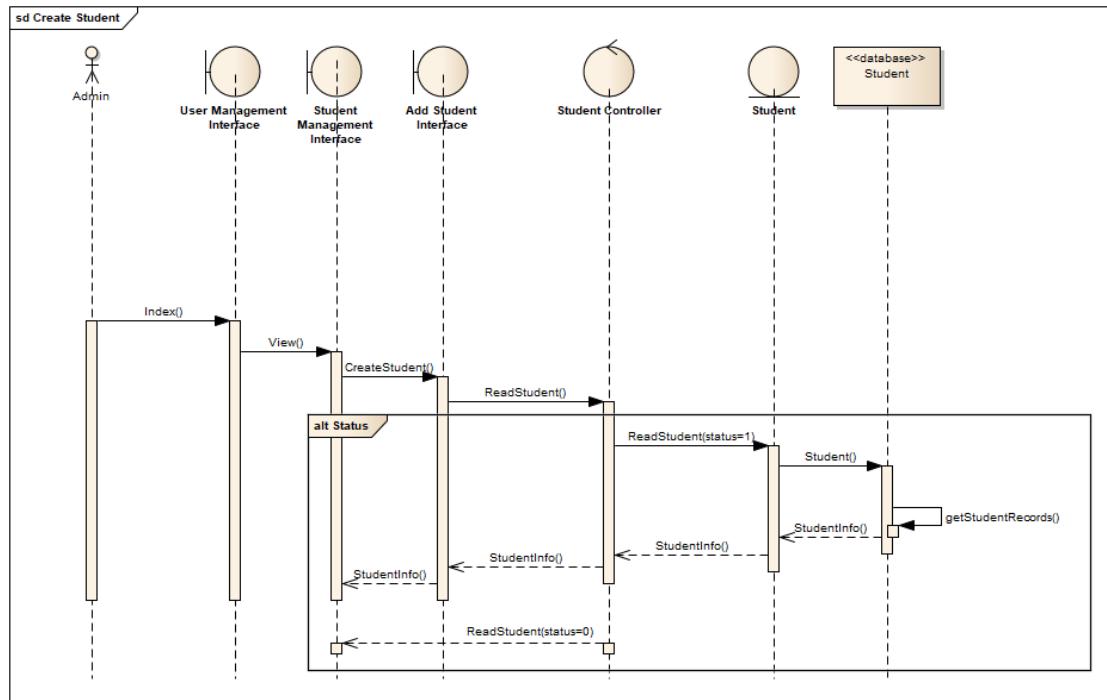


Figure 4.5: Sequence Diagram for <Create New User (student)>

b) SD002: Sequence diagram for Update and View User Profile

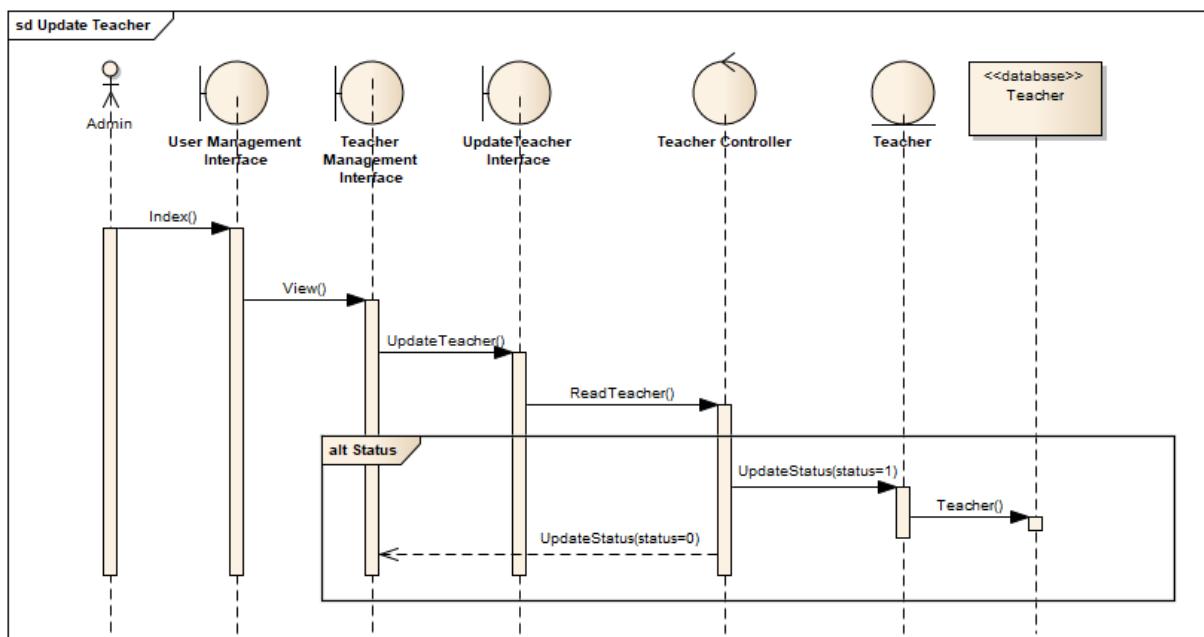


Figure 4.6: Sequence Diagram for <Update User (Teacher)>

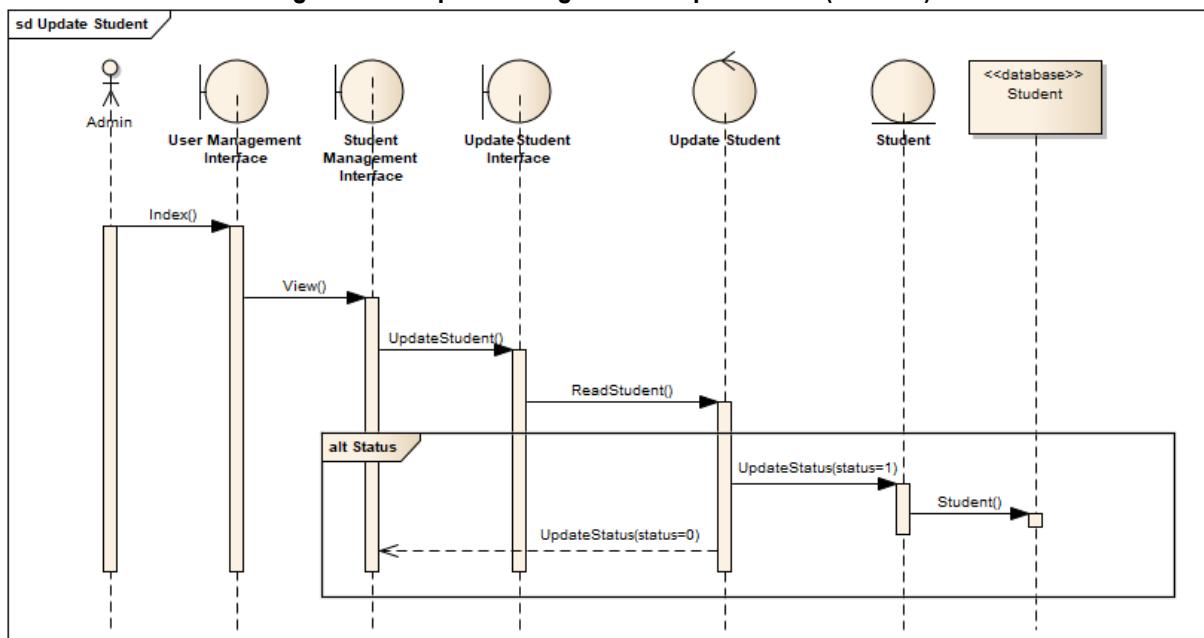


Figure 4.7: Sequence Diagram for <Update User (Student)>

c) SD003: Sequence diagram for Delete User

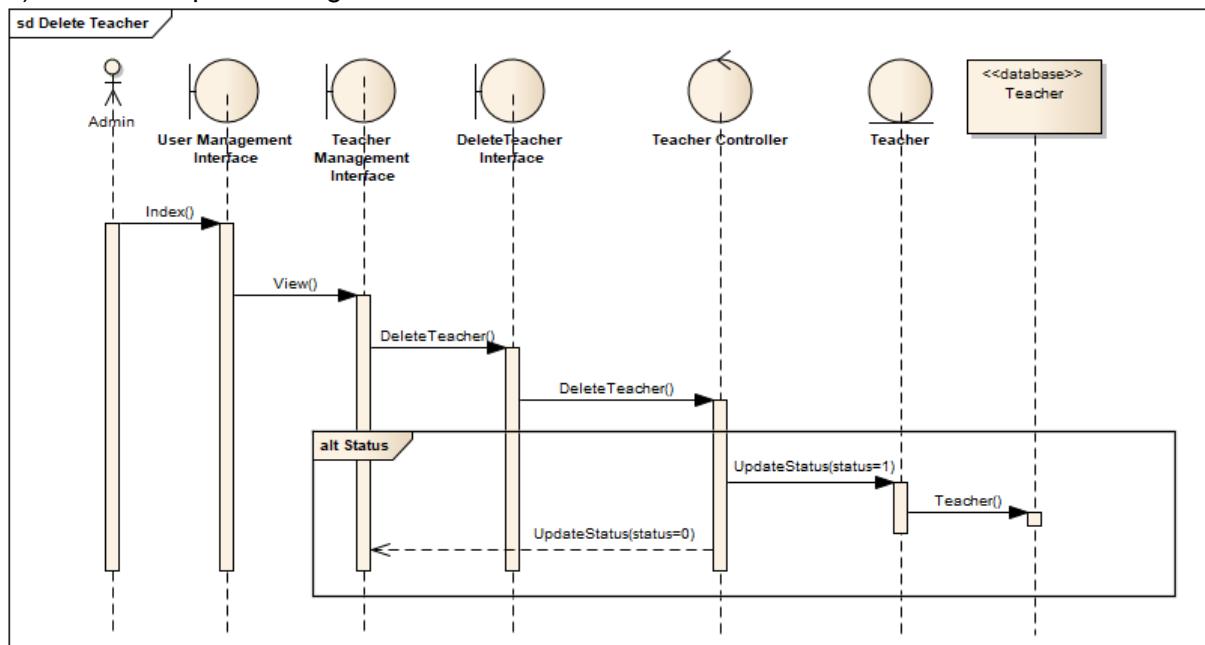


Figure 4.8: Sequence Diagram for <Delete User (Teacher)>

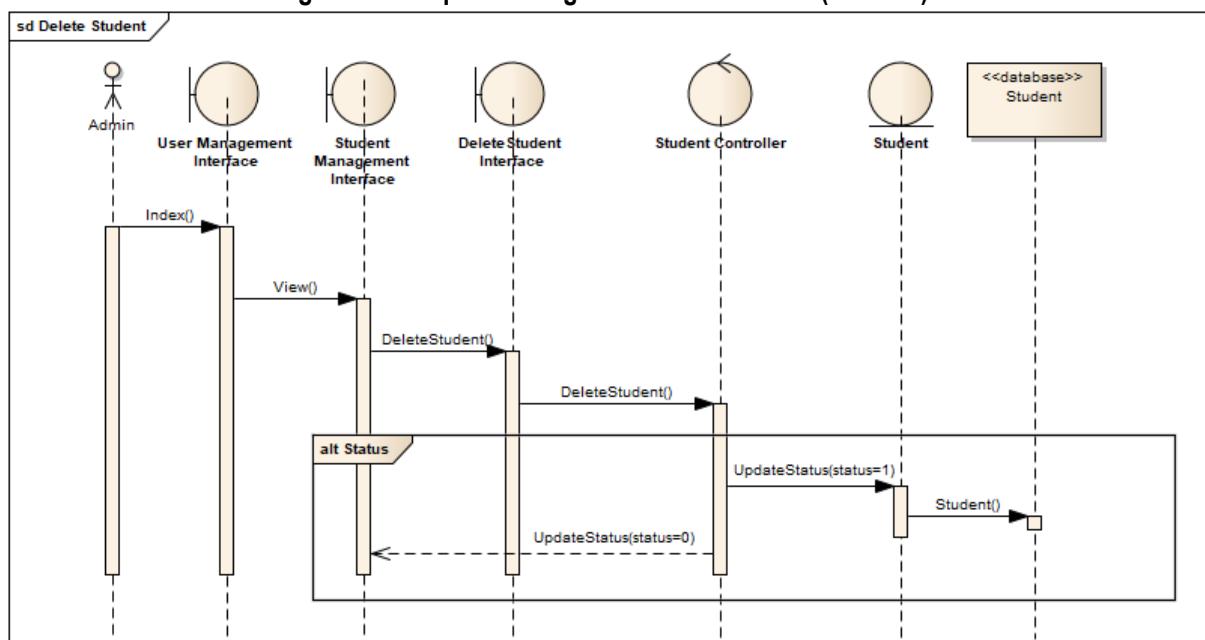


Figure 4.9: Sequence Diagram for <Delete User (Student)>

#### 4.2.2 P002: <Tutoring> Subsystem

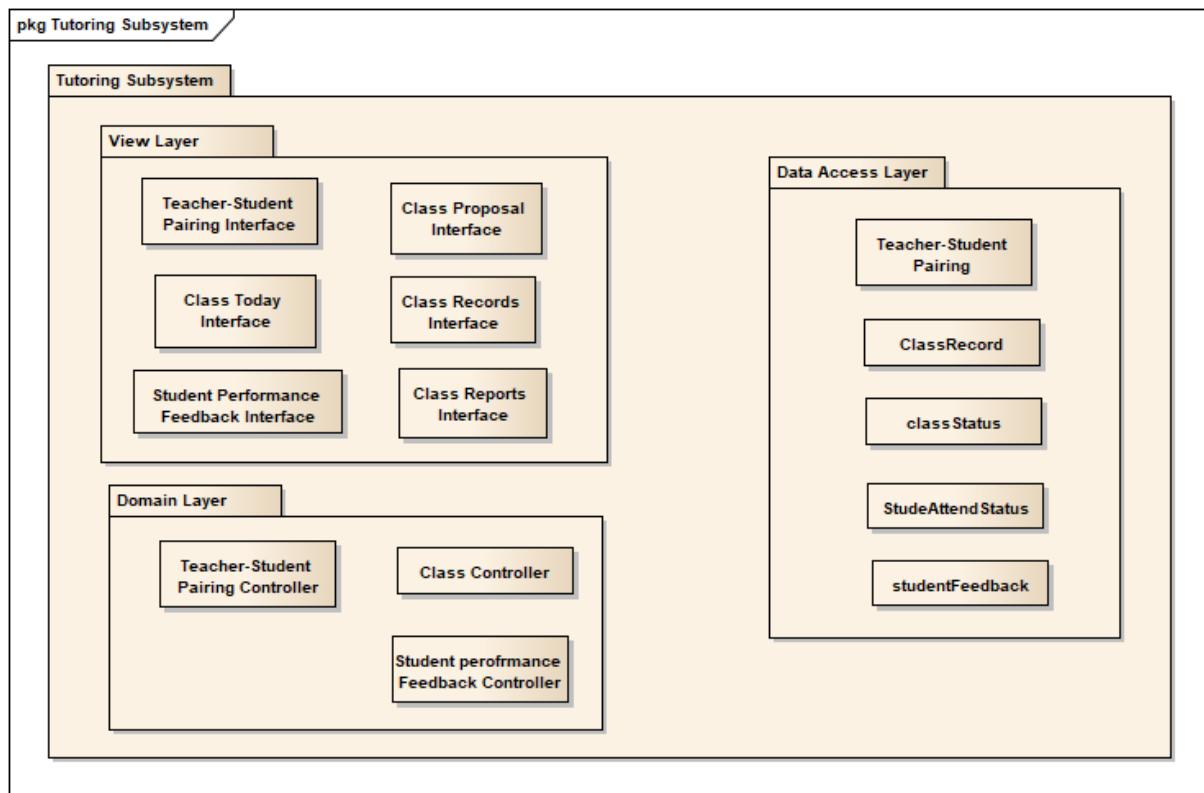


Figure 4.10: Package Diagram for <Tutoring Management> Subsystem

#### 4.2.2.1 Class Diagram

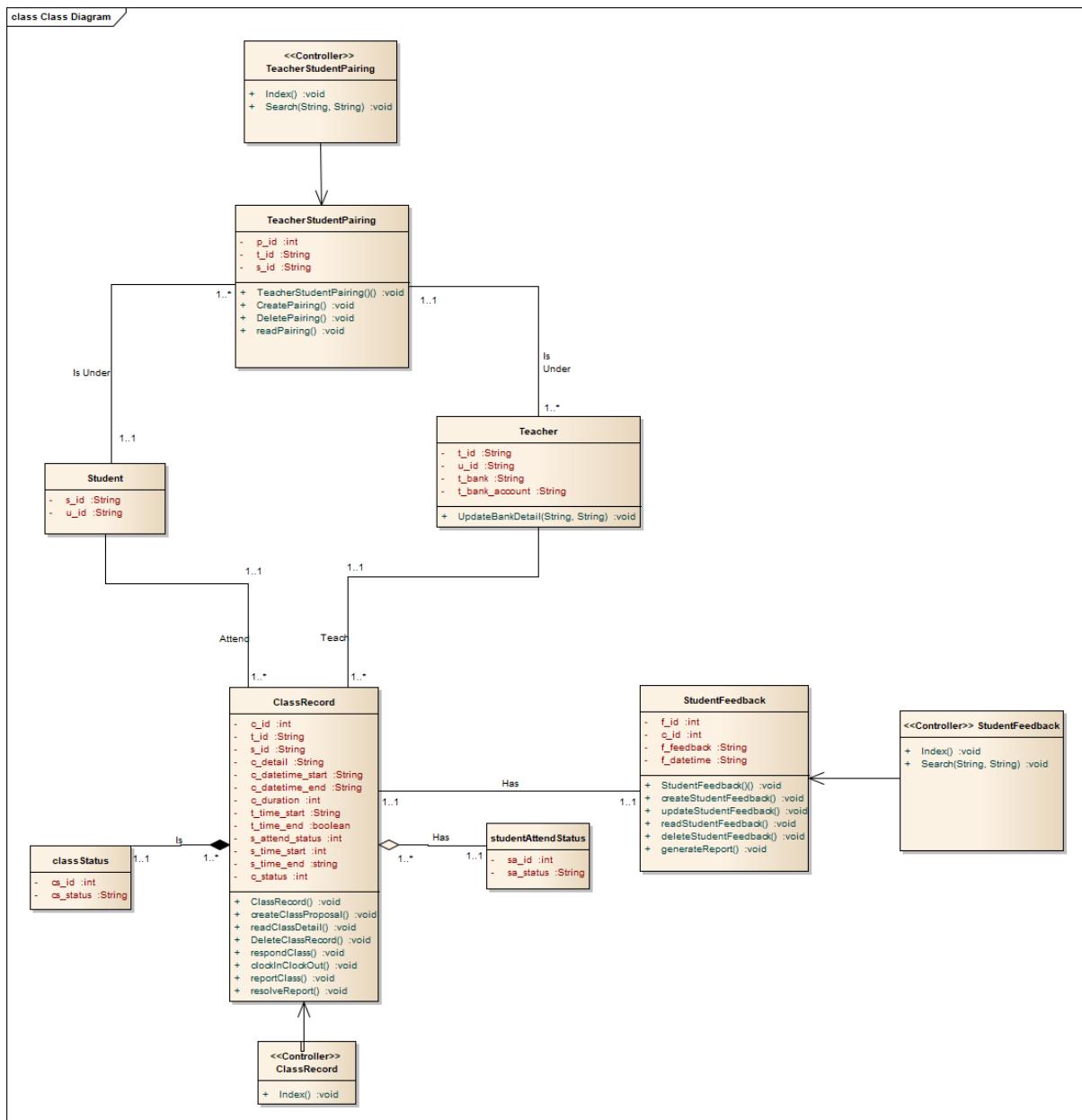


Figure 4.11: Class Diagram for <Tutoring Management> Subsystem

<b>Entity Name</b>	teacherStudentPairing
<b>Method Name</b>	createPairing
<b>Input</b>	ID of Teacher, ID of student
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System display a form</li> <li>3. User Choose student and teacher to form a pairing</li> <li>4. System add pairing object to the database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	teacherStudentPairing
<b>Method Name</b>	readPairing
<b>Input</b>	ID of Pairing Object
<b>Output</b>	Pairing Object
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the detail of the pairing object based on ID</li> <li>3. System display a page which list out details of pairing object</li> <li>4. End</li> </ol>

<b>Entity Name</b>	teacherStudentPairing
<b>Method Name</b>	deletePairing
<b>Input</b>	ID of Pairing Object
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search the pairing object based on ID</li> <li>3. System prompt User to confirm deletion</li> <li>4. Delete the pairing object from the database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	createClassProposal
<b>Input</b>	Detail of Class Proposal
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System display a form</li> <li>3. Create new class proposal with the information needed</li> <li>4. Add class proposal to the database with a uncompleted status and pending student attendance status</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	readClassDetail
<b>Input</b>	ID of Class Object
<b>Output</b>	Class Object
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the detail of the class object based on ID</li> <li>3. Display a page with the detail of class object</li> <li>4. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	respondClass
<b>Input</b>	ID of Class Object, Response
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. User choose the response to make</li> <li>3. System search the detail of the class object based on ID</li> <li>4. Update the student attendance status of the class object accordingly in the database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	clockInClockOut
<b>Input</b>	ID of Class Object, Current Time
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. User click the click in/clock out button</li> <li>3. System search the class object based on ID</li> <li>4. Update the student/teacher clock in and clock out time accordingly</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	reportClass
<b>Input</b>	ID of Class Object
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Click the "Report" button</li> <li>3. System search the class object based on ID</li> <li>4. Update the class status of the class object to "Under Investigation" in database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	resolveReport
<b>Input</b>	ID of Class Object, Action
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. User choose action to take toward the report</li> <li>3. System search the class object based on ID</li> <li>4. Update the class status of the class object accordingly in database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	classRecord
<b>Method Name</b>	deleteClassRecord
<b>Input</b>	ID of Class Record Object
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Search the class record based on ID</li> <li>3. Prompt User to confirm deletion</li> <li>4. Delete the Class Record from Database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	studentFeedback
<b>Method Name</b>	createStudentFeedback
<b>Input</b>	ID of Student Feedback, ID of Class Object, ID of student
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System displays a form for the selected class of the student.</li> <li>3. Create new feedback for the student.</li> <li>4. End</li> </ol>

<b>Entity Name</b>	studentFeedback
<b>Method Name</b>	updateStudentFeedback
<b>Input</b>	ID of Student Feedback
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System displays a feedback form that was filled in.</li> <li>3. Edit the feedback details for the student.</li> <li>4. End</li> </ol>

<b>Entity Name</b>	studentFeedback
<b>Method Name</b>	readStudentFeedback

<b>Input</b>	ID of Student Feedback
<b>Output</b>	Student Feedback Object
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the detail of the student feedback object based on ID</li> <li>3. Display a page with the detail of student feedback object</li> <li>4. End</li> </ol>

<b>Entity Name</b>	studentFeedback
<b>Method Name</b>	deleteStudentFeedback
<b>Input</b>	ID of Student Feedback
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Search the student feedback based on ID</li> <li>3. Prompt User to confirm deletion</li> <li>4. Delete the student feedback from Database</li> <li>5. End</li> </ol>

<b>Entity Name</b>	studentFeedback
<b>Method Name</b>	generateReport
<b>Input</b>	ID of Student Feedback,details of datetime
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Search the student feedback based on month and year selected.</li> <li>3. Display the feedback for the entire month for the chosen year.</li> <li>4. End</li> </ol>

#### 4.2.2.2 Sequence Diagram

a) SD004: Sequence diagram for Create Teacher-Student Pairing

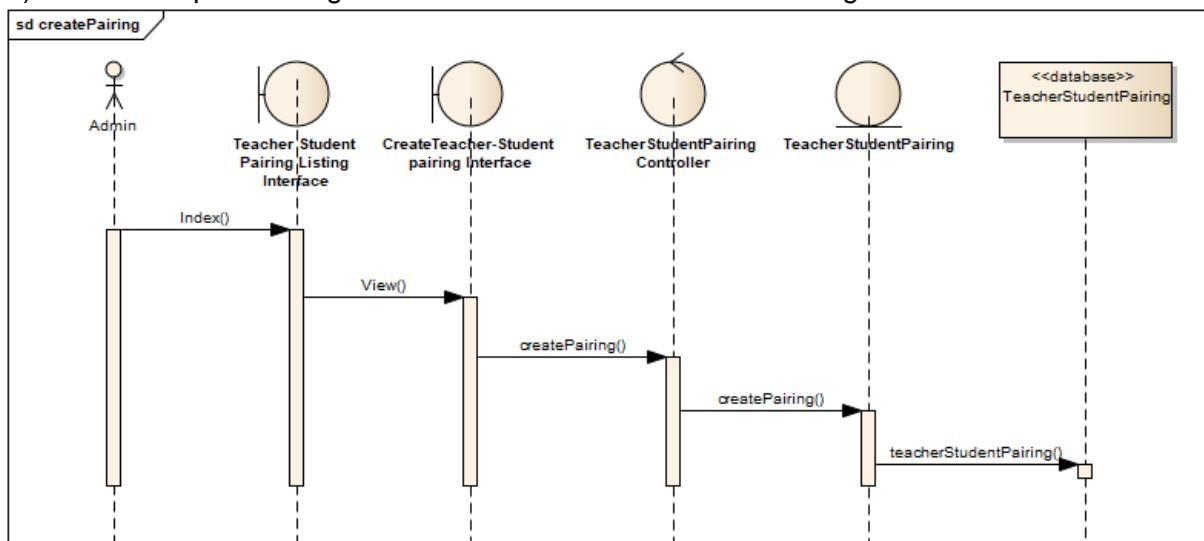


Figure 4.12: Sequence Diagram for <Create Teacher-Student Pairing>

b) SD005: Sequence diagram for Delete Teacher-Student Pairing

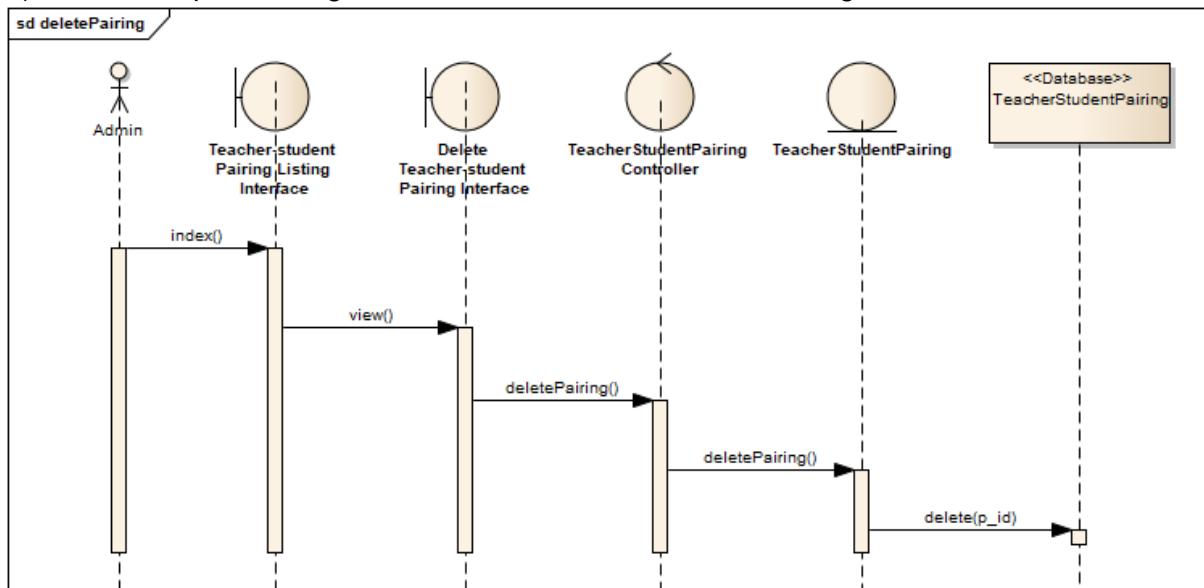


Figure 4.13: Sequence Diagram for <DeleteTeacher-Student Pairing>

c) SD006: Sequence diagram for Read Teacher-Student Pairing

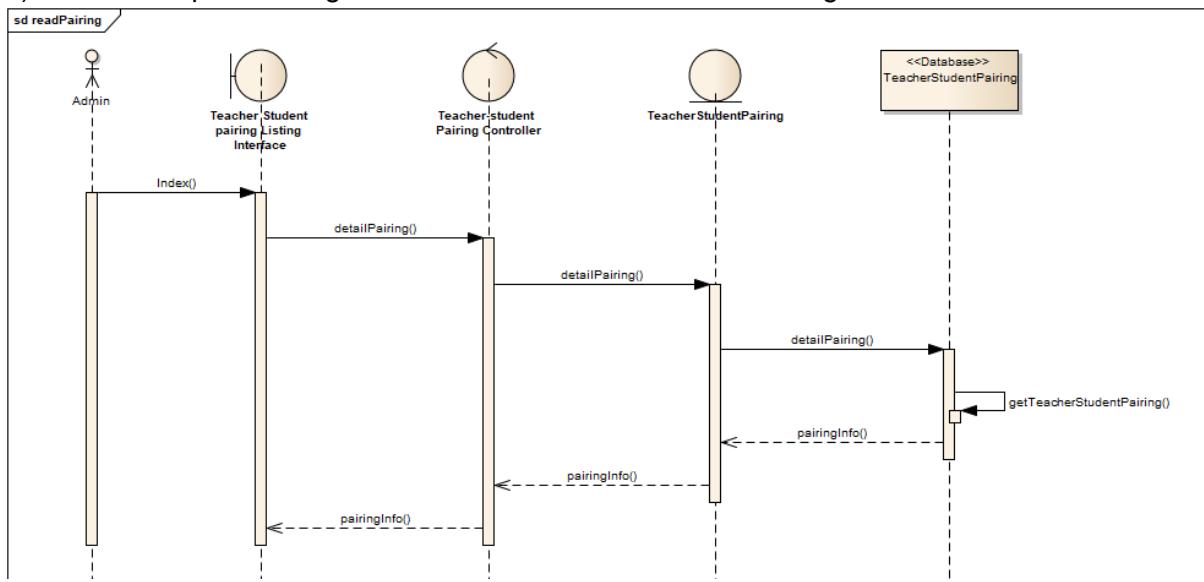


Figure 4.14: Sequence Diagram for <Read Teacher-Student Pairing>

d) SD007: Sequence diagram for Create Class Proposal

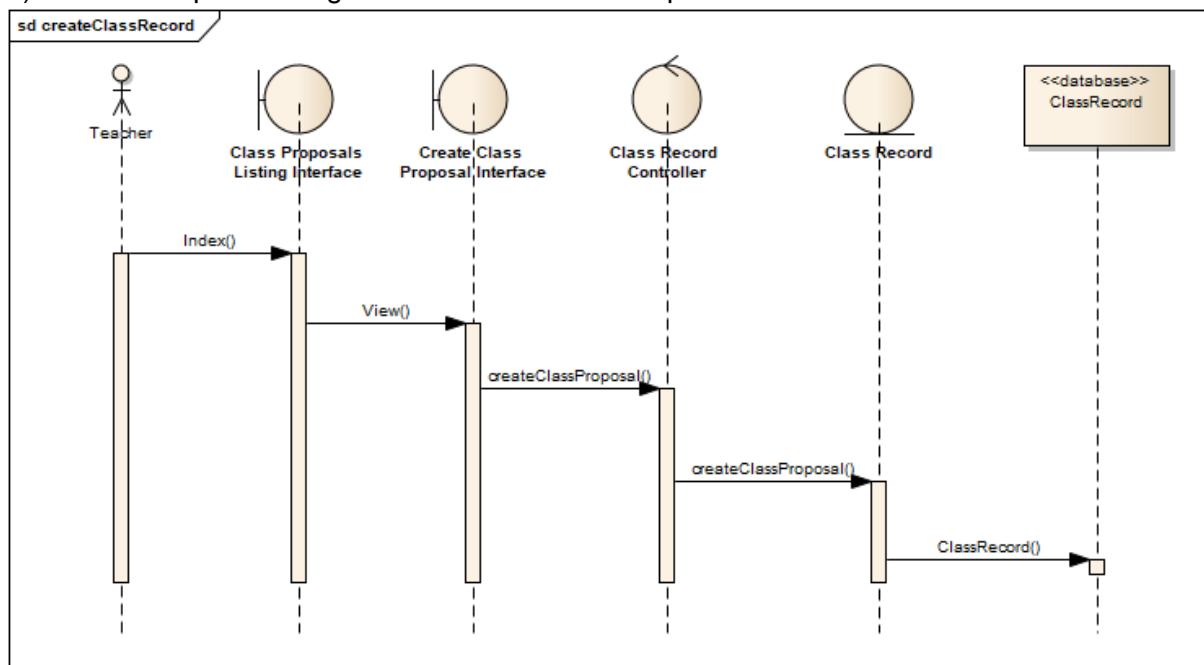


Figure 4.15: Sequence Diagram for <Create Class Proposal>

e) SD008: Sequence diagram for Read Class Detail

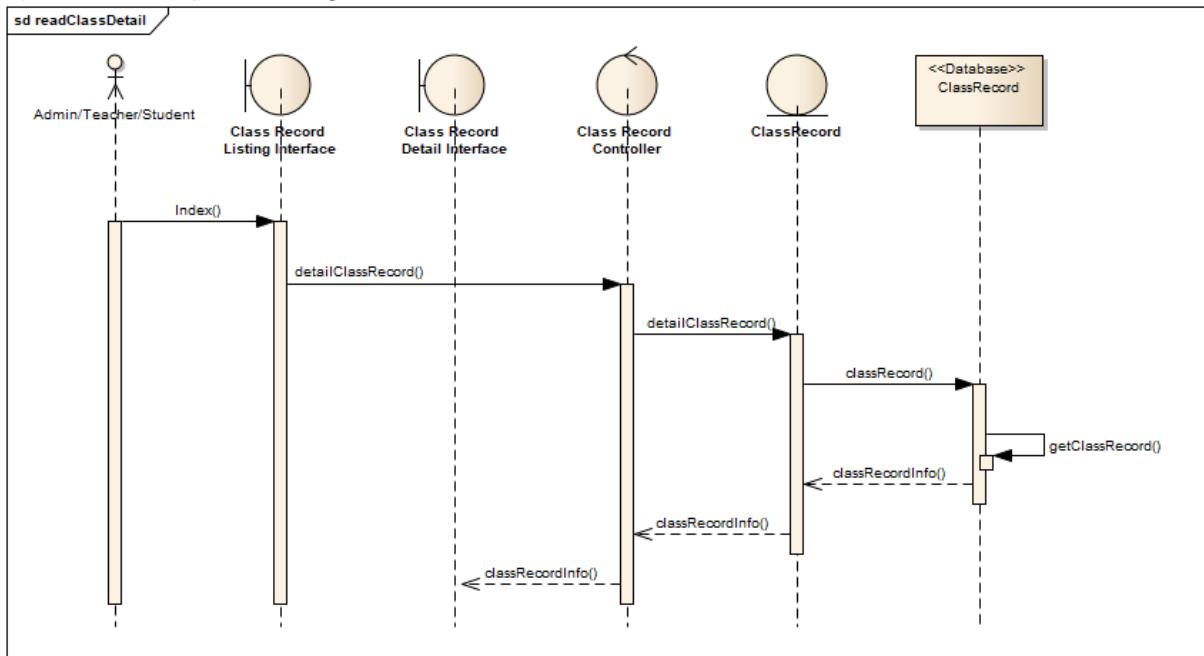


Figure 4.16: Sequence Diagram for <Read Class Detail>

f) SD009: Sequence diagram for Respond Class Proposal

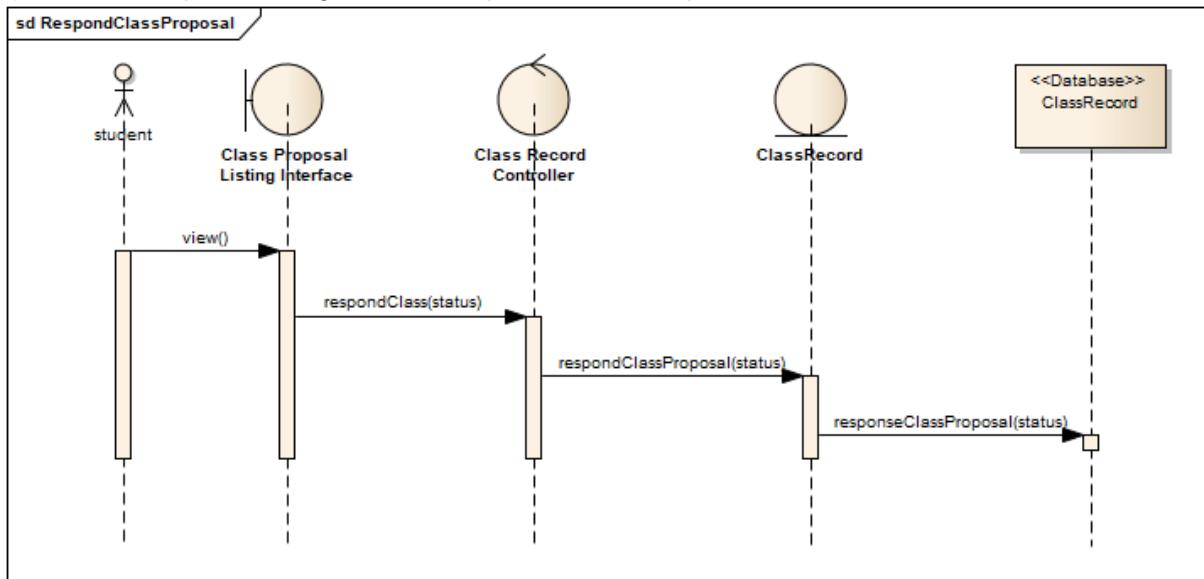


Figure 4.17: Sequence Diagram for <Respond Class>

g) SD010: Sequence diagram for Clock In, Clock Out

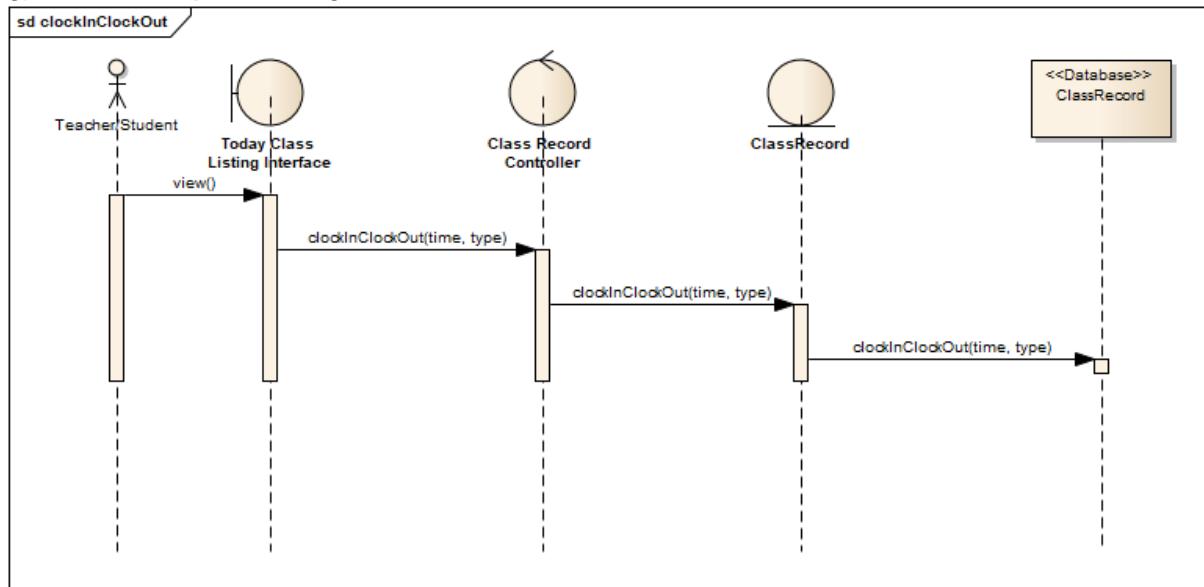


Figure 4.18: Sequence Diagram for <Clock In, Clock Out>

h) SD011: Sequence diagram for Report Class

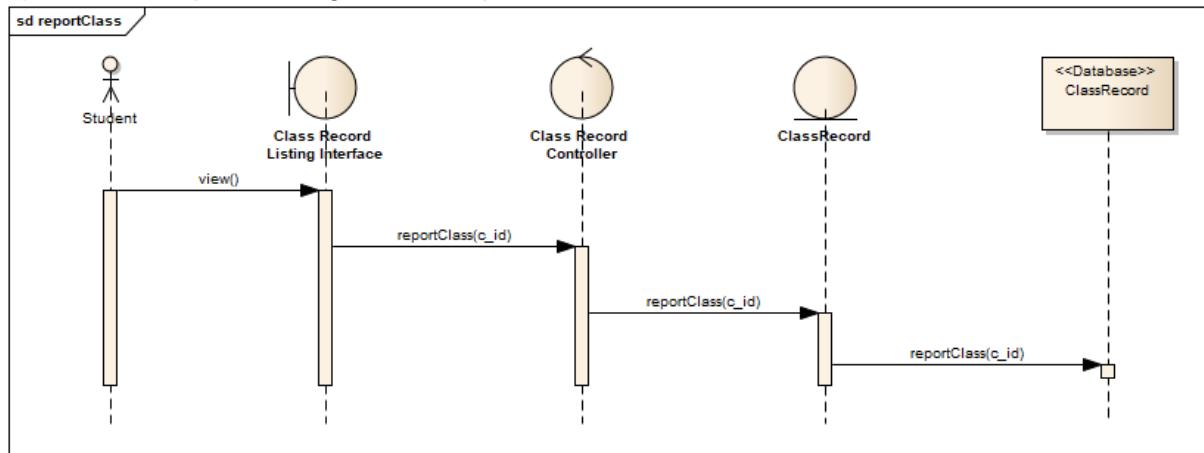


Figure 4.19: Sequence Diagram for <Report Class>

i) SD012: Sequence diagram for Resolve Class Report

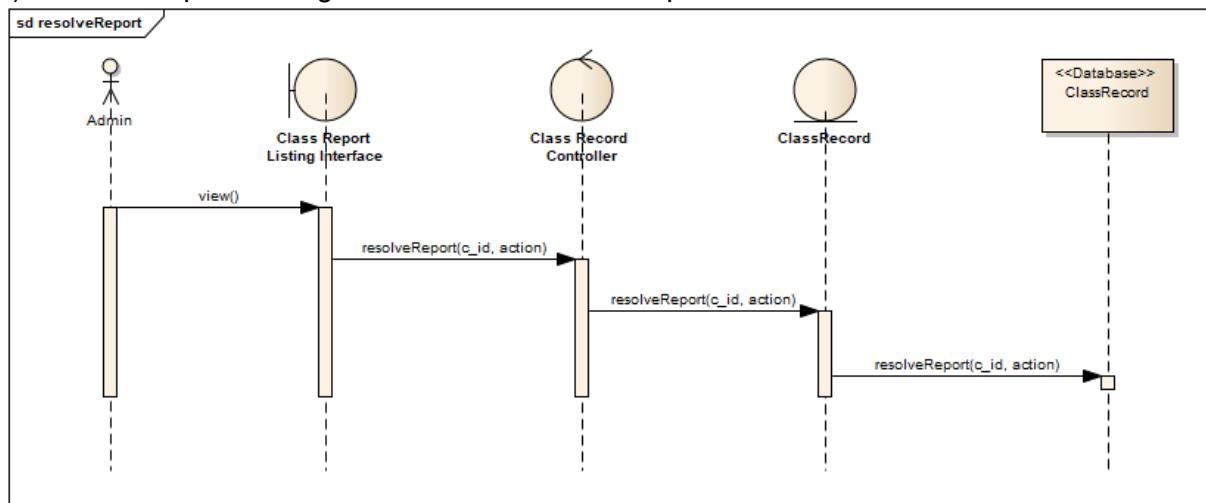


Figure 4.20: Sequence Diagram for <Resolve Class Report>

j) SD013: Sequence diagram for Delete Class Records

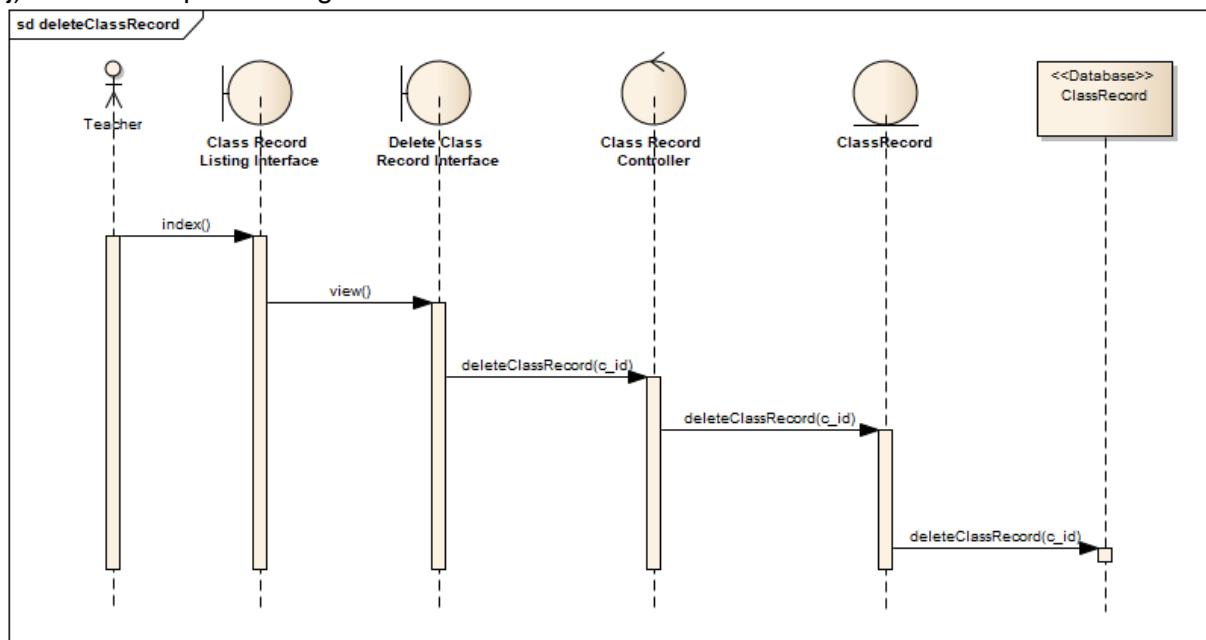


Figure 4.21: Sequence Diagram for <Delete Class Record>

k) SD014: Sequence diagram for Create Student Feedback

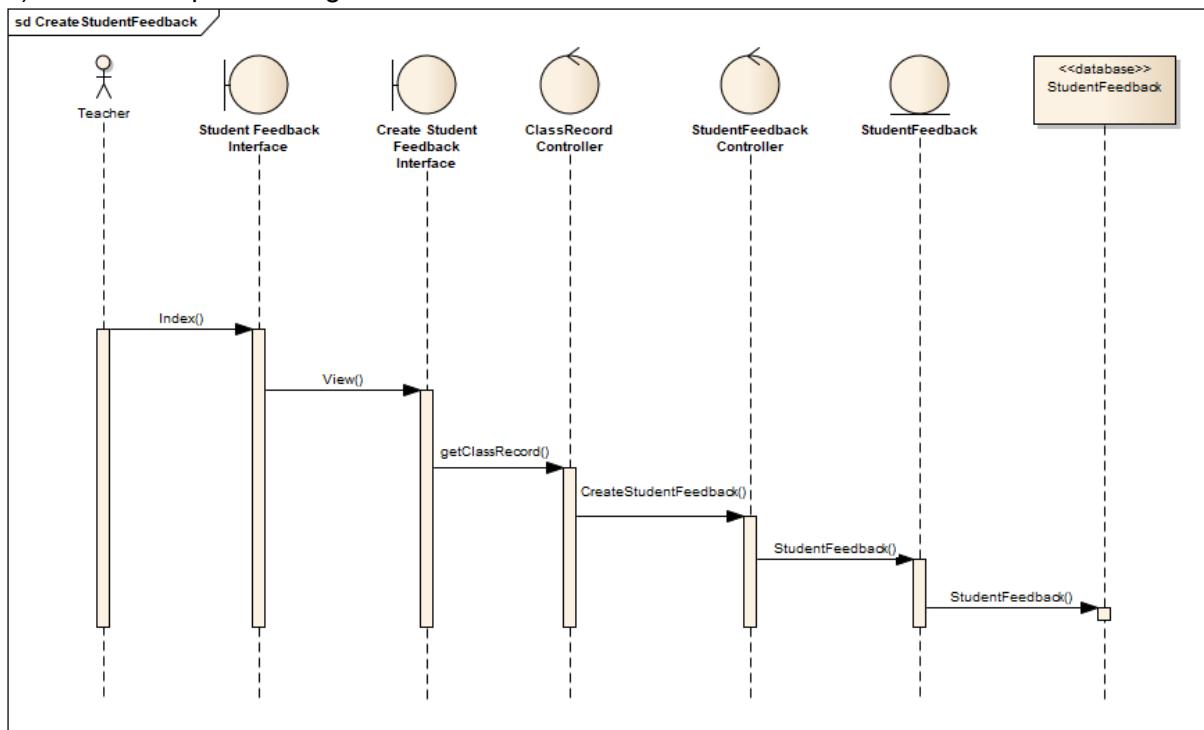


Figure 4.22: Sequence Diagram for <Create Student Feedback>

l) SD015: Sequence diagram for Update Student Feedback

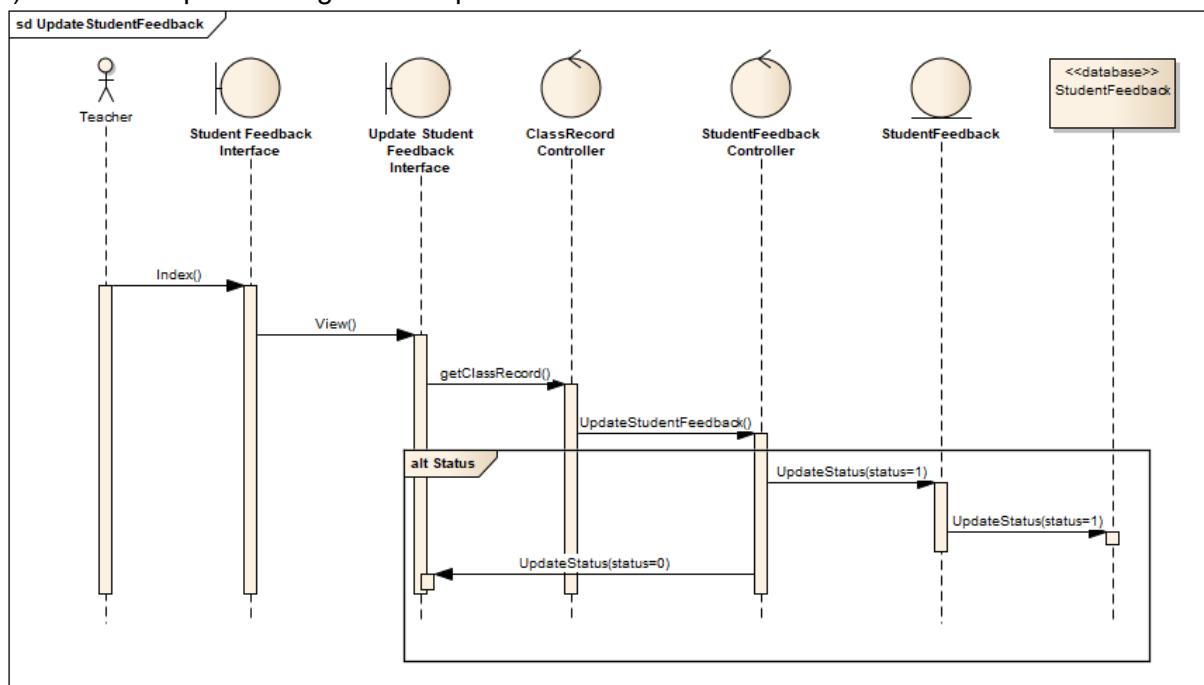


Figure 4.23: Sequence Diagram for <Update Student Feedback>

m) SD016: Sequence diagram for Read Student Feedback

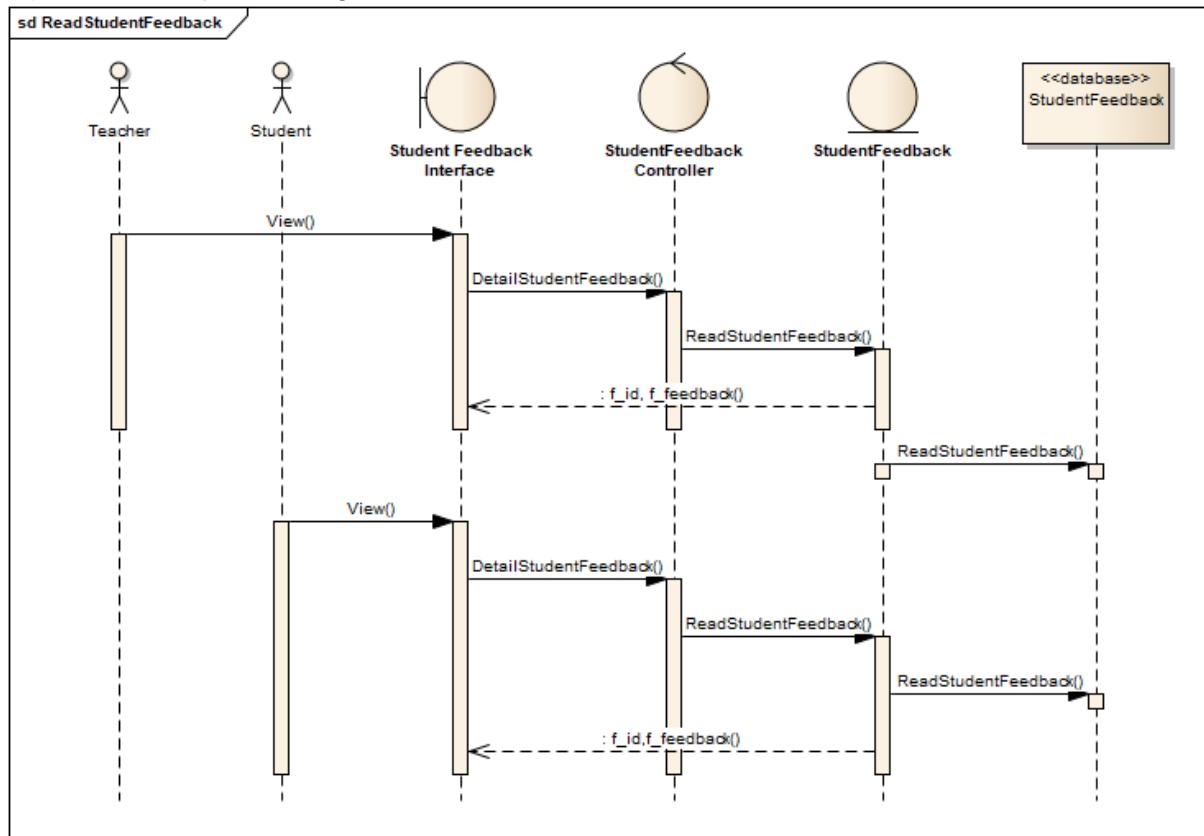


Figure 4.24: Sequence Diagram for <Read Student Feedback>

n) SD017: Sequence diagram for Delete Student Feedback

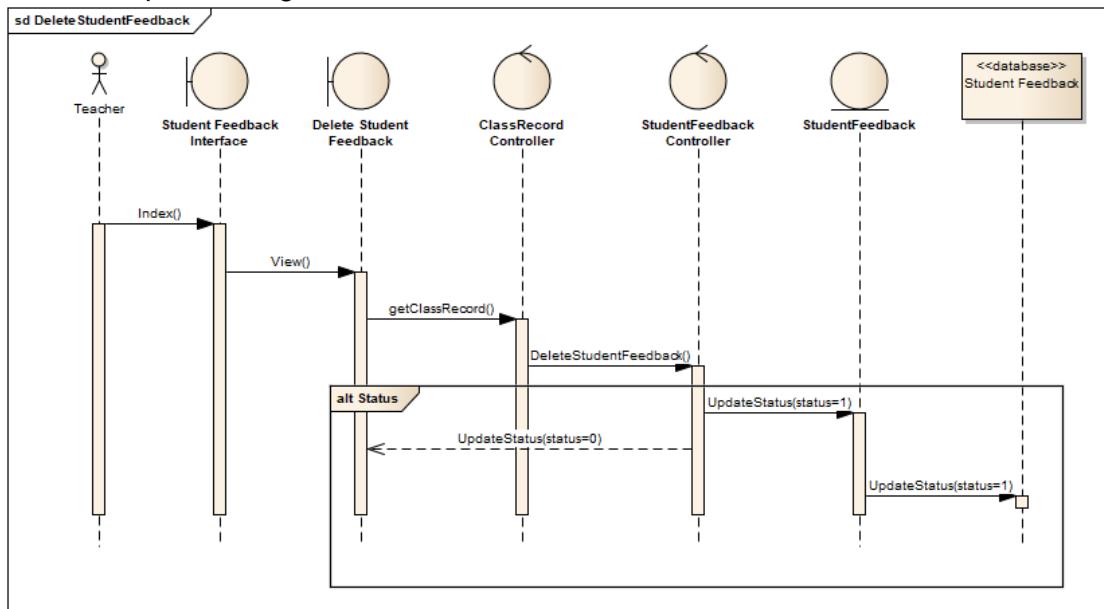


Figure 4.25: Sequence Diagram for <Delete Student Feedback>

o) SD018: Sequence diagram for Generate Report

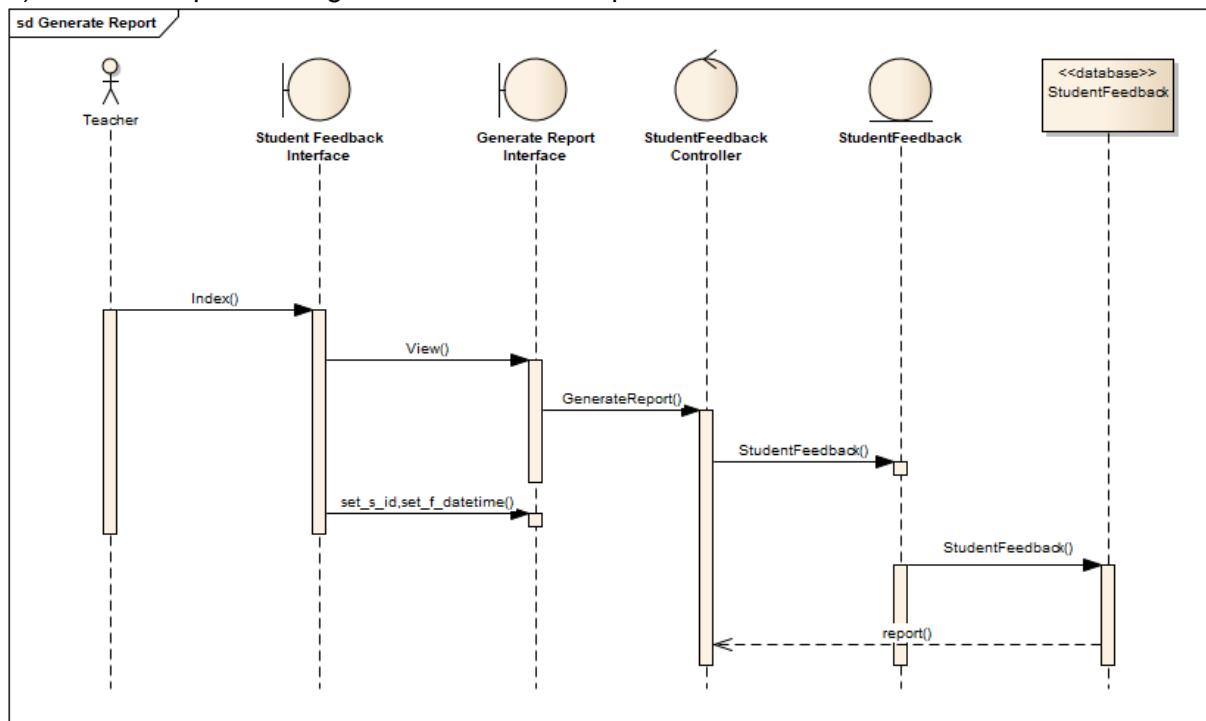


Figure 4.26: Sequence Diagram for <Generate Report>

### 4.2.3 P003: <Salary Management> Subsystem

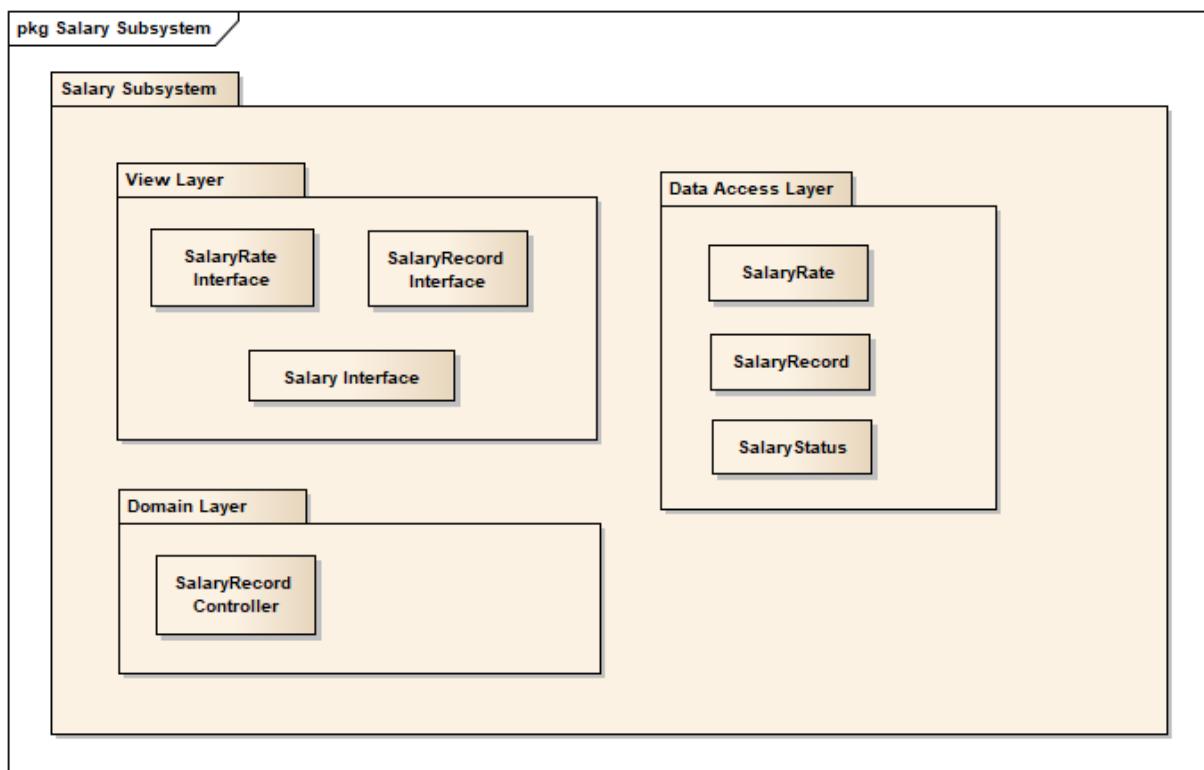


Figure 4.27: Package Diagram for <Salary Management> Subsystem

#### 4.2.3.1 Class Diagram

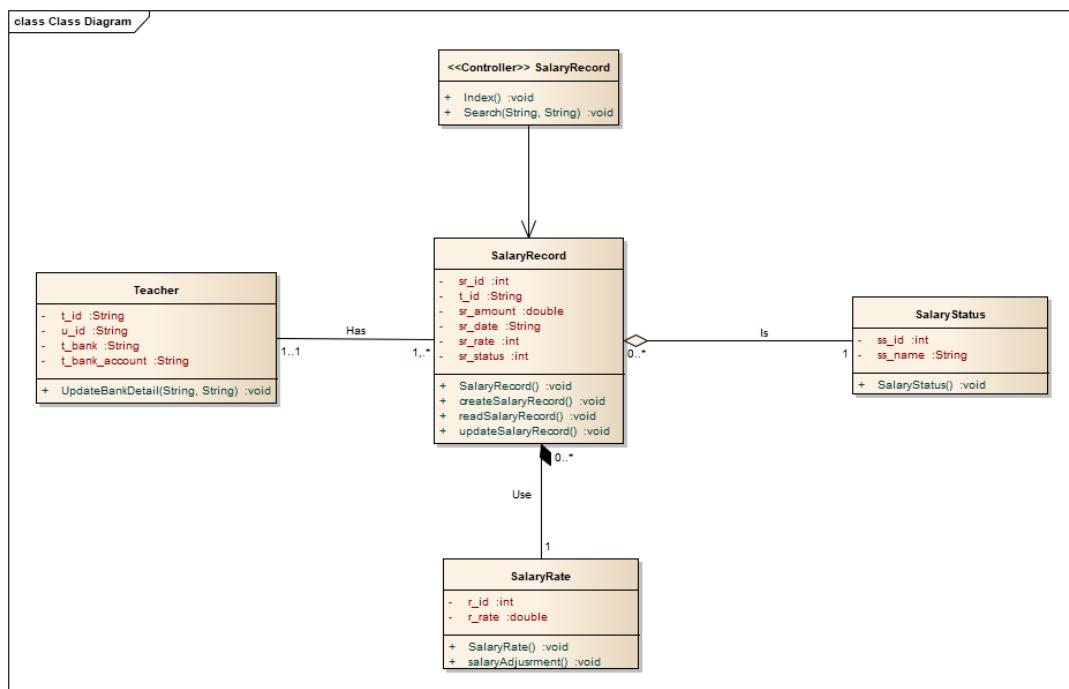


Figure 4.28: Class Diagram for <Salary Management> Subsystem

<b>Entity Name</b>	salaryRate
<b>Method Name</b>	adjustSalary
<b>Input</b>	ID of SalaryRate Object
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the details of the salary rate in a form.</li> <li>3. Users edit the salary rate.</li> <li>4. System update the amount of salary according to the salary rate.</li> <li>5. End</li> </ol>

<b>Entity Name</b>	salary
<b>Method Name</b>	createSalaryRecord
<b>Input</b>	Class records, feedbacks as well as the month and year of the class records and feedbacks
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. Salary records are grouped by the month and year as well as the teacher ID according to the teachers' class records and feedback submitted.</li> <li>3. The salary record is added to the database with a pending status.</li> <li>4. End</li> </ol>

<b>Entity Name</b>	salary
<b>Method Name</b>	readSalaryRecord
<b>Input</b>	ID of Salary Object
<b>Output</b>	Salary Object
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the details of the salary object based on the ID.</li> <li>3. Display a page with the detail of the salary object.</li> <li>4. End</li> </ol>

<b>Entity Name</b>	salary
<b>Method Name</b>	updateSalaryRecord
<b>Input</b>	ID of the Salary Object
<b>Output</b>	-
<b>Algorithm</b>	<ol style="list-style-type: none"> <li>1. Start</li> <li>2. System search and fetch the details of the salary object based on the ID.</li> <li>3. Users select "Payment Made" to change the status from pending to paid.</li> <li>4. System generates the payslip or invoice.</li> </ol>

- |  |   |
|--|---|
|  | <p>5. Users select “Unpaid/Pending” to change the status from paid to pending.<br/>6. End</p> |
|--|---|

#### 4.2.3.2 Sequence Diagram

a) SD019: Sequence diagram for Salary Adjustment

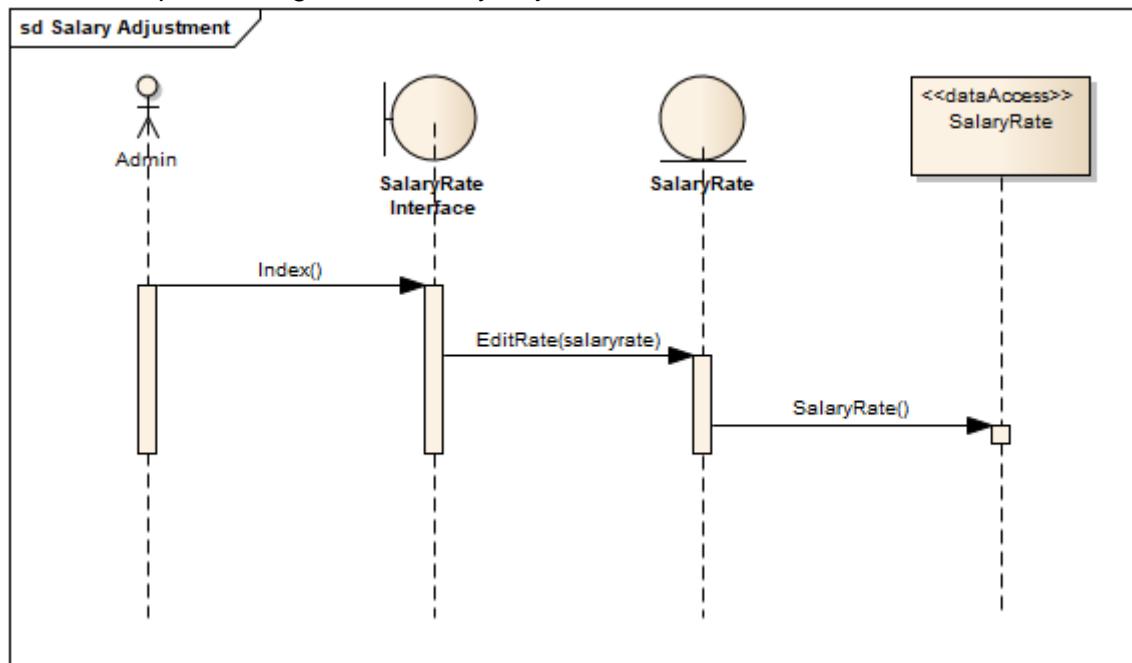


Figure 4.29: Sequence Diagram for <Salary Adjustment>

b) SD020: Sequence diagram for Create Salary Record

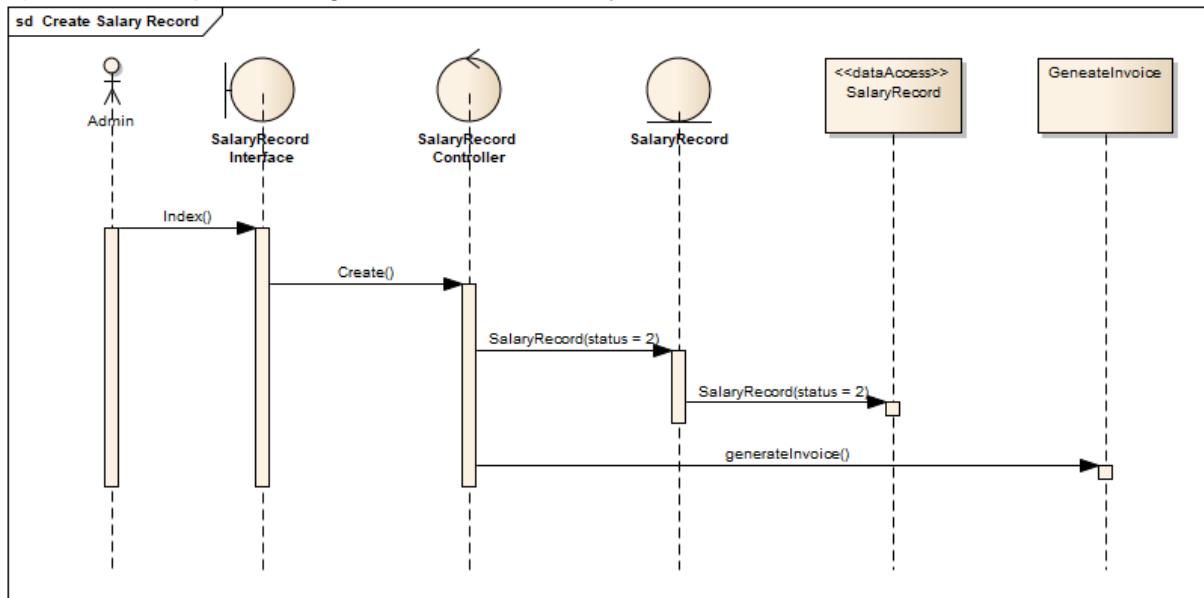


Figure 4.30: Sequence Diagram for <Create Salary Record>

c) SD021: Sequence diagram for Read Salary Record

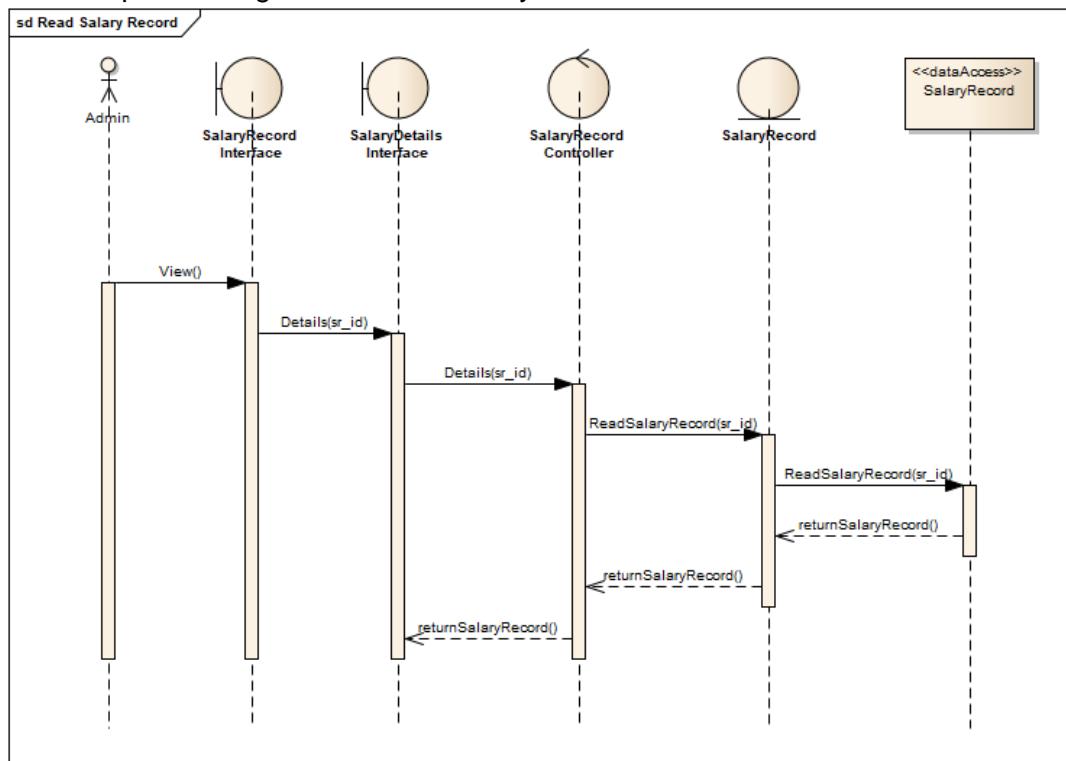


Figure 4.31: Sequence Diagram for <Read Salary Record>

d) SD022: Sequence diagram for Update Salary Record

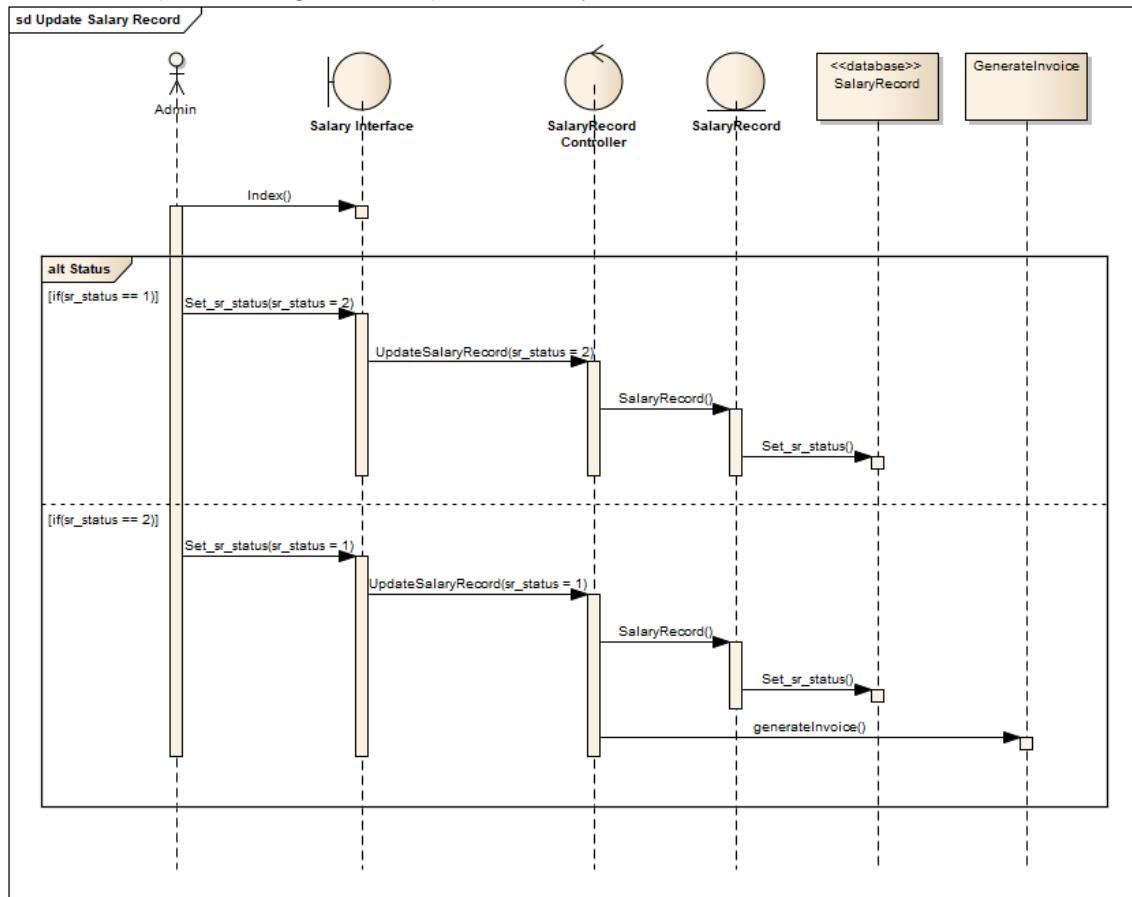
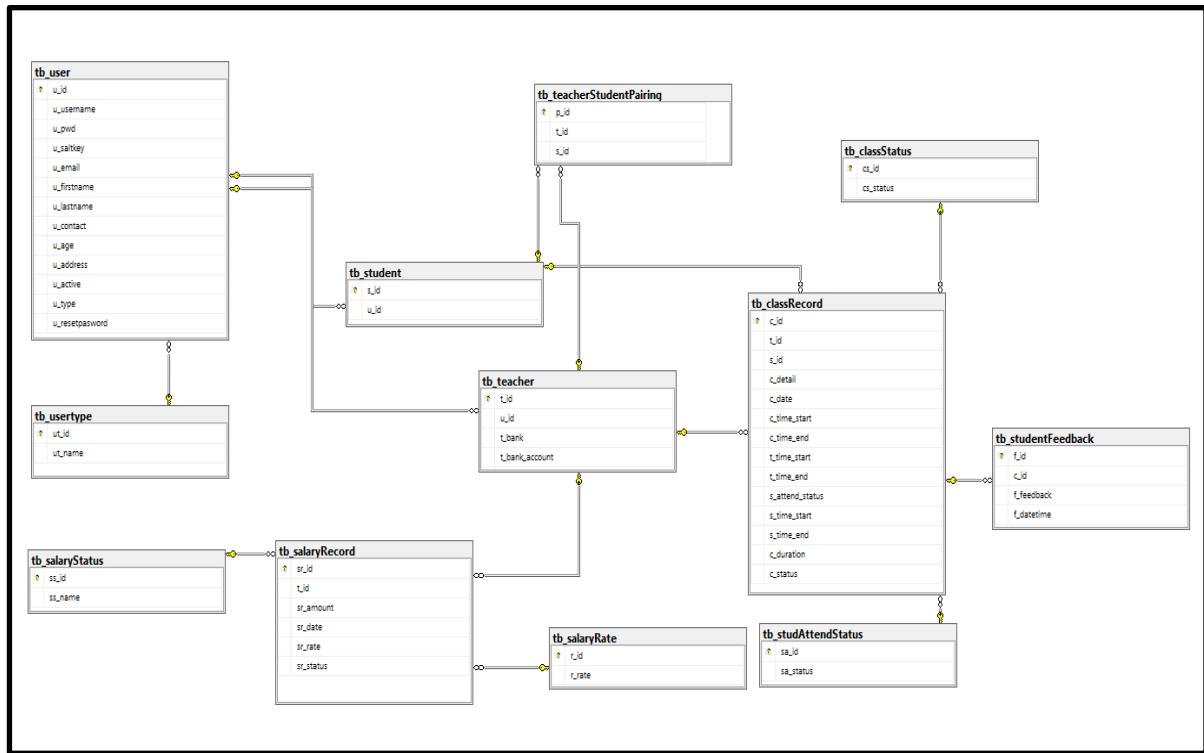


Figure 4.32: Sequence Diagram for <Update Salary Record>

## 5. Data Design

### 5.1 Data Description



The major data or systems entities are stored into a relational database named as db\_mengaji processed and organized into 12 entities as listed in Table 5.1.

Table 5.1: Description of Entities in the Database

No.	Entity Name	Description
1	tb_user	Table which stores information of users who can access the salary management system.
2	tb_usertype	Table which stores information of type of users available in the system.
3	tb_student	Table which stores information that only student types of users have.
4	tb_teacher	Table which stores information that only teacher type of users have.
5	tb_teacherStudentPairing	Table which stores information of pairing between every teacher and students.
6	tb_salaryRecord	Table which stores information of every salary record of teachers.
7	tb_salaryStatus	Table which stores information of all possible status that a salary record could be.
8	tb_salaryRate	Table which stores the rate information that is used to calculate teacher salary.

9	tb_classRecord	Table which stores the information of every record of class conducted by the teacher.
10	tb_classStatus	Table which stores information of all possible status that a class record could be.
11	tb_studAttendStatus	Table which stores information of all possible status that a student can respond to a class proposal
12	tb_studentFeedback	Table which stores information of every feedback created by teacher for corresponding class record.

## 5.2 Data Dictionary

### 5.2.1 Entity: <tb\_user>

Field Name	Datatype	Field Length	Constraint	Description
u_id	varchar	50	Primary key,Not null	User id.
u_username	varchar	50	Not null	The user's name.
u_pwd	varchar	100	Not null	The user's password.
u_saltkey	varchar	100	Not null	Hashed password.
u_email	varchar	max	Not null	The user's email.
u_firstname	varchar	50	null	User's first name.
u_lastname	varchar	50	null	User's last name.
u_contact	varchar	15	Not null	User's contact number.
u_age	int	4	null	Age of the user.
u_address	varchar	max	null	The location of the user.
u_active	varchar	1	null	The name of the bank.
u_type	varchar	1	null	The type of user.
u_resetpassword	varchar	100	null	The new password.

### 5.2.2 Entity: <tb\_usertype>

Field Name	Datatype	Field Length	Constraint	Description
ut_id	varchar	1	Primary key,Not null	The usertype's id.
ut_name	varchar	20	Not null	The usertype's name.

### 5.2.3 Entity: <tb\_student>

Field Name	Datatype	Field Length	Constraint	Description
s_id	varchar	50	Primary key,not null	The student id.
u_id	varchar	50	Foreign key,null	The user id.

#### 5.2.4 Entity: <tb\_teacher>

Field Name	Datatype	Field Length	Constraint	Description
t_id	varchar	50	Primary key,Not null	The teacher id.
u_id	varchar	50	Foreign key,null	The user id.
t_bank	varchar	50	null	The bank name.
t_account	varchar	50	null	The bank's account number.

#### 5.2.5 Entity: <tb\_teacherStudentPairing>

Field Name	Datatype	Field Length	Constraint	Description
p_id	int	4	Primary key,not null	The pairing id.
t_id	varchar	50	Foreign key,null	The teacher id.
s_id	varchar	50	Foreign key,null	The student id

#### 5.2.6 Entity: <tb\_salaryRecord>

Field Name	Datatype	Field Length	Constraint	Description
sr_id	int	4	Primary key	The salary record's id.
t_id	varchar	50	Foreign key	The teacher's id.
sr_date	date	3	Not null	The salary given date.
sr_rate	int	4	Foreign key,null	The salary rate recorded.
sr_status	int	4	Foreign key,null	The salary payment status.

#### 5.2.7 Entity: <tb\_salaryStatus>

Field Name	Datatype	Field Length	Constraint	Description
ss_id	int	4	Primary key,not null	The salary status's id.
ss_name	varchar	50	Not null	The salary's current status.

#### 5.2.8 Entity: <tb\_salaryRate>

Field Name	Datatype	Field Length	Constraint	Description
r_id	int	4	Primary key,Not null	The salary rate's id.
r_rate	float	8	Not null	The current salary rate.

#### 5.2.9 Entity: <tb\_classRecord>

Field Name	Datatype	Field Length	Constraint	Description
c_id	int	4	Primary key,not null	The class id.
t_id	int	50	Foreign key	The teacher id.
s_id	int	50	Foreign key	The student id
c_time_start	time	0	null	The starting time of the class.
c_time_end	time	0	null	The ending time of the class.
t_time_start	time	0	null	The starting time of the class by the teacher.
t_time_end	time	0	null	The ending time of the class by the teacher.
s_attend_status	int	4	null	The student's attendance.
s_time_start	time	0	null	The starting time of the class by the student.
s_time_end	time	0	null	The ending time of the class by the student.
c_duration	float	8	null	The duration of the class.
c_status	int	4	null	The status of the class.

#### 5.2.10 Entity: <tb\_classStatus>

Field Name	Datatype	Field Length	Constraint	Description
cs_id	int	4	Primary key,not null	The class status's id.
cs_status	varchar	50	null	The class's current status.

#### 5.2.11 Entity: <tb\_studAttendStatus>

<b>Field Name</b>	<b>Datatype</b>	<b>Field Length</b>	<b>Constraint</b>	<b>Description</b>
sa_id	int	4	Primary key,not null	The student's attendance status id.
sa_status	varchar	50	Not null	The student's attendance status

#### 5.2.12 Entity: <tb\_studentFeedback>

<b>Field Name</b>	<b>Datatype</b>	<b>Field Length</b>	<b>Constraint</b>	<b>Description</b>
f_id	int	4	Primary key,not null	The feedback id.
c_id	int	4	Foreign key	The class id.
f_feedback	text	16	Not null	The feedback for the class.
f_datetime	datetime	8	Not null	Date and time of the class.

## 6. User Interface Design

---

### 6.1 Overview of User Interface

The interface includes a general design for every user and a specified interface type for the dedicated users. The first and foremost interface that is displayed to every user is the login page where the users will dive into the system with their respective credentials. Subsequently, there's a user forgot password and reset password pages in case the user have forgotten their password and would like reset it. Moreover, every user will have the access to edit their profile page that includes updating their personal details and more. Lastly, the update password page is also available if the user wishes to change his/her current password to strengthen their respective password.

As for the Admin, there will be a list of segments that will be displayed for them to navigate and utilize through. They will be able to perform CRUD for the users profile page. Next, the admin will be able view the class history under Class Record module's interface and the student feedbacks given for the students with their associated tutors under the Student Feedback Reports interface. Moreover, if there's a report submitted for certain class, there is a Class Report page that the admin can view and reconfirm the class status post investigation. The admin can also print the student feedback if they wish to do. To add on, Salary Payment module's interface allows the admin to handle the salary payment for the teachers by their completed class hours by changing the status of the payment and even adjust the salary rate per hour for the teacher. They can also print the Salary Slip pdf if they would like to. Finally, there's an interface for the admin to assign and delete students to a particular teacher.

Moving on to the Teacher's interface, that will mainly consist of Class Records, Student Feedback Reports and Salary Payment. A special addition under the profile that's available for the teacher would be the update of their account details. In Class Records, the teacher will be able to view Today's Class List Page that will allow the teacher to check in, check out and also view the status completed once they have checked out timely. To top it off, the Class Proposal interface will allow the teacher to list the student list pages first and then select a student to proceed with class proposal creation and previous class proposals made. Other than that, in Class History Page, the teacher will be able to view the conducted classes for the selected student in detail. Next, the teachers will also be able to perform CRUD for the Student Feedback Reports module's interface for the selected student. They can also print the Report in pdf format if they would like to post filtering the month and year. Lastly, Salary Payment module's interface allows the teacher to view their salary status .They can also print the Salary Slip pdf if they would like to.

Last but not the least, the student interface has 2 main segments, the Class Record and the Student Feedback Reports. As for the Class Record the functions are pretty much same as the teacher

but just that, they will be only able to respond to the class proposals made and also report the classes if there's any fraudulent activity occurs. Whereas in Student Feedback Reports they will be able to view the feedback given and print the report if they wish to.

## 6.2 Screen Images

### General

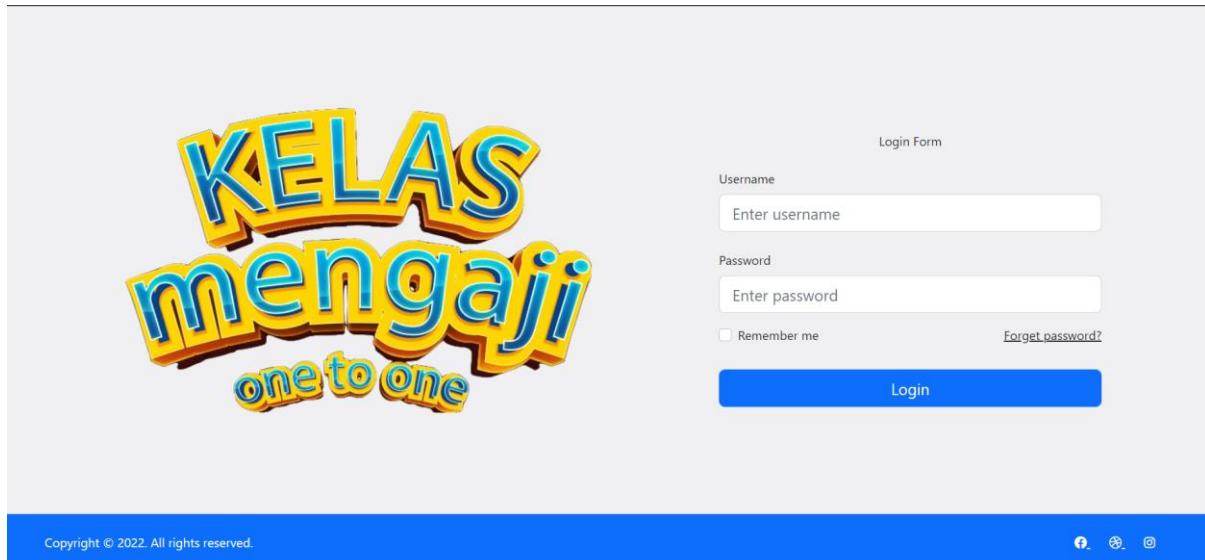


Figure 6.1: Login Page

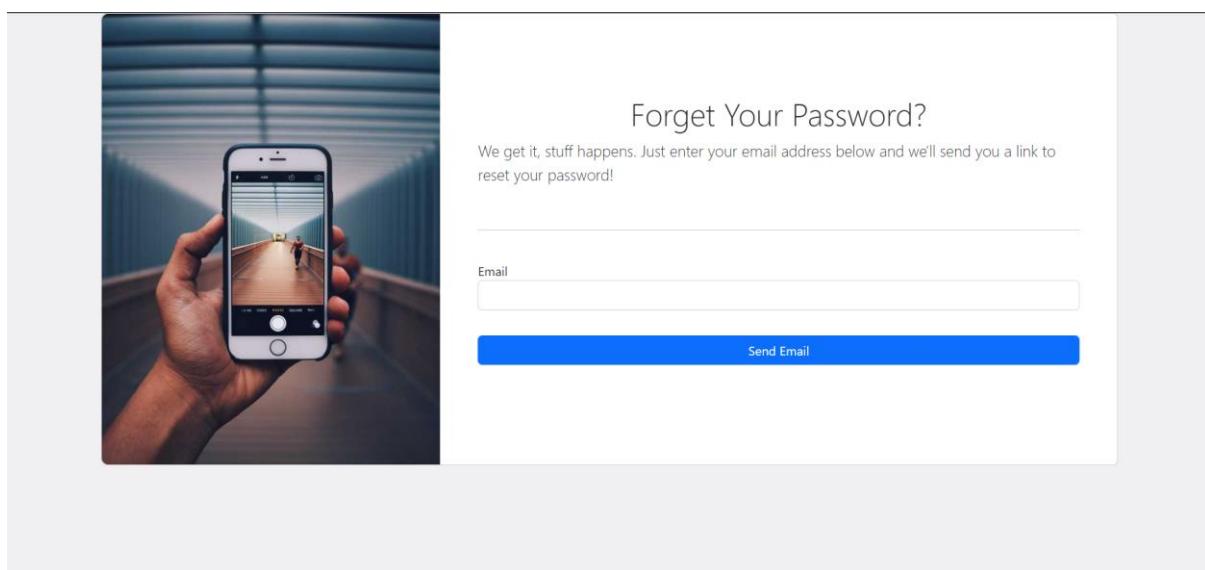


Figure 6.2: "Forget Password" Page

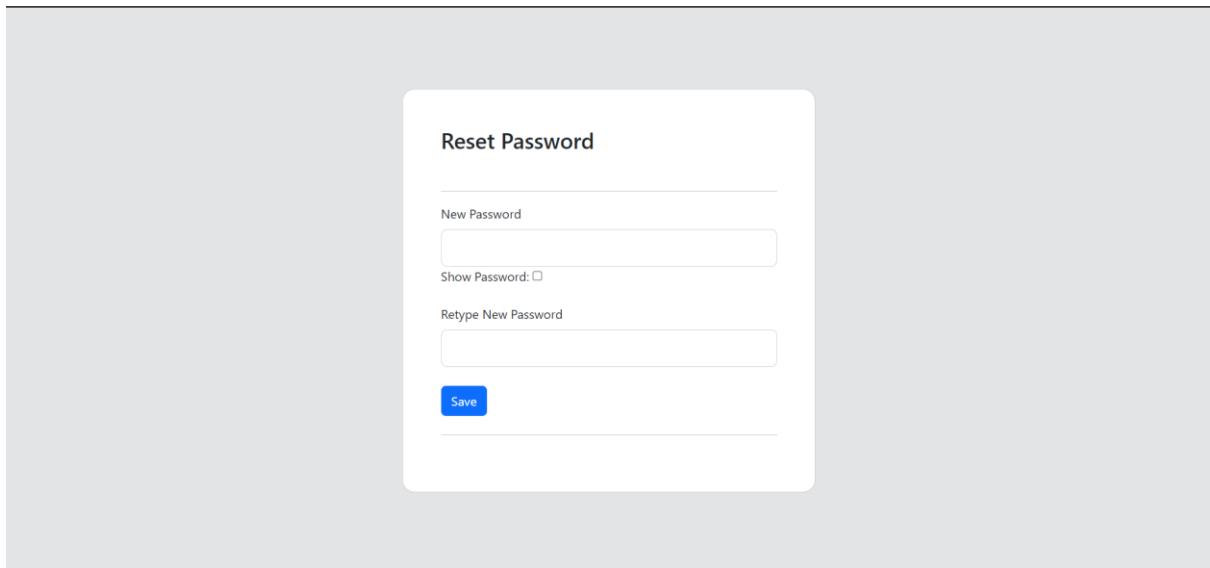


Figure 6.3: Reset Password Page

A screenshot of the 'Edit Profile' page. The left sidebar shows navigation links: Home Page, Users, Class Records, Student Feedback Reports, Salary Payment, Teacher-Student Pairing, and User Manual. The main content area is titled 'Edit Profile' and contains fields for Username (admin), Email (a), Firstname (Admin), Lastname, Contact (01), Age (0), and Address. At the bottom are 'Save' and 'Go Back' buttons.

Figure 6.4: Edit Profile Page

The screenshot shows a web-based application interface titled "MENGAJIONETOONE". At the top, a dark blue header bar displays the title "MENGAJIONETOONE" on the left and "Welcome, Admin" with a user icon on the right. Below the header is a sidebar on the left containing several menu items with icons: "Home Page" (document icon), "Users" (person icon), "Class Records" (book icon), "Student Feedback Reports" (chart icon), "Salary Payment" (dollar sign icon), "Teacher-Student Pairing" (two people icon), and "User Manual" (gear icon). The main content area is titled "Update Password". It contains three input fields: "Password" (a text input field), "Show Password:  (a checkbox), and "Retype Password" (another text input field). At the bottom of the form are two buttons: a blue "Save" button and a grey "Go Back" button.

Figure 6.5: Update Password Page

## Admin

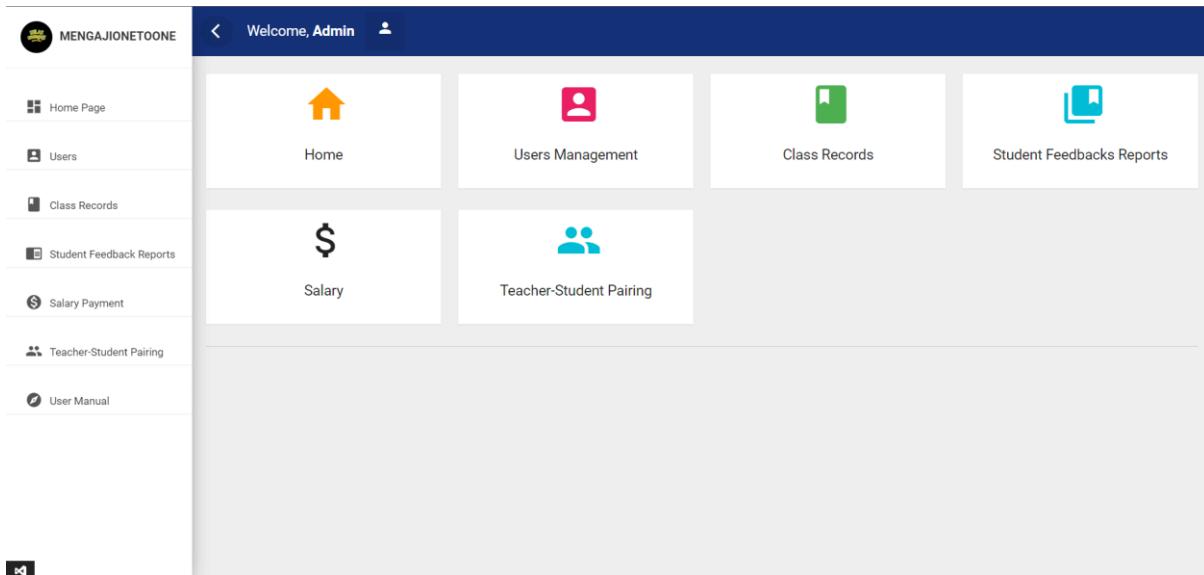


Figure 6.6: Admin Home Page

User ID	Username	Email	Contact	
T4	Yy	Yy@Gmail.Com	123	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
T2	Xin	X	012	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
T3	Lee	Lsyuan1029@Gmail.Com	0142591909	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

Figure 6.7: Teacher Users List Page

The screenshot shows a web application interface for creating a new teacher. At the top, a dark blue header bar displays the text "Welcome, Admin" and a user icon. Below the header is a sidebar on the left containing links: "Home Page", "Users", "Class Records", "Student Feedback Reports", "Salary Payment", "Teacher-Student Pairing", and "User Manual". The main content area is titled "Create New Teacher". It contains several input fields: "Username" (empty), "Email" (empty), "Firstname" (empty), "Lastname" (empty), "Contact" (empty), "Age" (empty), "Address" (empty), and a dropdown menu for "User Type" which is set to "Teacher". At the bottom of the form are two buttons: a green "Create" button and a grey "Back To List" button.

Figure 6.8: Create New Teacher User Page

The screenshot shows a web application interface for editing a teacher's profile. The layout is identical to Figure 6.8, with a dark blue header "Welcome, Admin" and a sidebar on the left with the same links. The main content area is titled "Edit Teacher". The input fields have been populated with sample data: "Username" is "yy", "Email" is "yy@gmail.com", "Firstname" is "ee", "Lastname" is "ee", "Contact" is "123", "Age" is "12", "Address" is "sa", and the "User Type" dropdown is still set to "Teacher". At the bottom are the "Save" and "Back To List" buttons.

Figure 6.9: Edit Teacher User Profile Page

MENGAJIONETOONE

Welcome, Admin

**Teacher Detail**

User ID	T4
Username	Yy
Contact	123
Email	Yy@Gmail.Com
Age	12
Address	Sa
Bank	DEFAULT
Account No	000

[Edit](#) | [Back To List](#)

Figure 6.10: Teacher User Profile Detail Page

MENGAJIONETOONE

Welcome, Admin

**List Of Teachers** [Create New](#)

Please confirm to proceed with the action

[OK](#) [Cancel](#)

User ID	Username	Email	Contact	
T4	Yy	Yy@Gmail.Com	123	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
T2	Xin	X	012	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
T3	Lee	Lsyuan1029@Gmail.Com	0142591909	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

1

Figure 6.11: Delete Teacher User Prompt Message

List Of Students						
<a href="#">Create New</a>						
<input type="text" value="search by name..."/> <input type="button" value="Search"/> <input type="button" value="Clear Result"/>						
User ID	Username	Email	Contact			
S5	Xx Xx	Xx@Gmail.Com	12	<a href="#">Edit</a>	<a href="#">Details</a>	<a href="#">Delete</a>
S2	Nalini	N	01	<a href="#">Edit</a>	<a href="#">Details</a>	<a href="#">Delete</a>
S3	John	J	01	<a href="#">Edit</a>	<a href="#">Details</a>	<a href="#">Delete</a>
S4	Jake	Ja	01	<a href="#">Edit</a>	<a href="#">Details</a>	<a href="#">Delete</a>
S1	Hazeeq	Astonmartin4800@Gmail.Com	01	<a href="#">Edit</a>	<a href="#">Details</a>	<a href="#">Delete</a>
1						

Figure 6.12: Student User List Page

Create New Student					
Username	<input type="text"/>				
Email	<input type="text"/>				
Firstname	<input type="text"/>				
Lastname	<input type="text"/>				
Contact	<input type="text"/>				
Age	<input type="text"/>				
Address	<input type="text"/>				
User Type	<input type="text" value="Student"/> <input type="button" value="▼"/>				
<a href="#">Create</a>   <a href="#">Back To List</a>					

Figure 6.13: Create New Student User Page

The screenshot shows a web application interface for managing student profiles. The top navigation bar displays 'Welcome, Admin' and includes a back arrow icon. On the left, a vertical sidebar menu lists several options: Home Page, Users, Class Records, Student Feedback Reports, Salary Payment, Teacher-Student Pairing, and User Manual. The main content area is titled 'Edit Student'. It contains form fields for various student details. The fields and their current values are:

- Username: xx
- Email: xx@gmail.com
- Firstname: xx
- Lastname: xx
- Contact: 12
- Age: 12
- Address: xa
- User Type: Student

At the bottom of the form are two buttons: a green 'Save' button and a grey 'Back To List' button.

Figure 6.14: Edit Student User Profile Page

The screenshot shows a web application interface for viewing student details. The top navigation bar displays 'Welcome, Admin' and includes a back arrow icon. On the left, a vertical sidebar menu lists several options: Home Page, Users, Class Records, Student Feedback Reports, Salary Payment, Teacher-Student Pairing, and User Manual. The main content area is titled 'Student Detail'. It displays the following student information:

- User ID: S5
- Username: Xx Xx
- Contact: 12
- Email: Xx@Gmail.Com
- Age: 12
- Address: Xa

At the bottom of the page are two buttons: a yellow 'Edit' button and a grey 'Back To List' button.

Figure 6.15: Student User Profile Detail Page

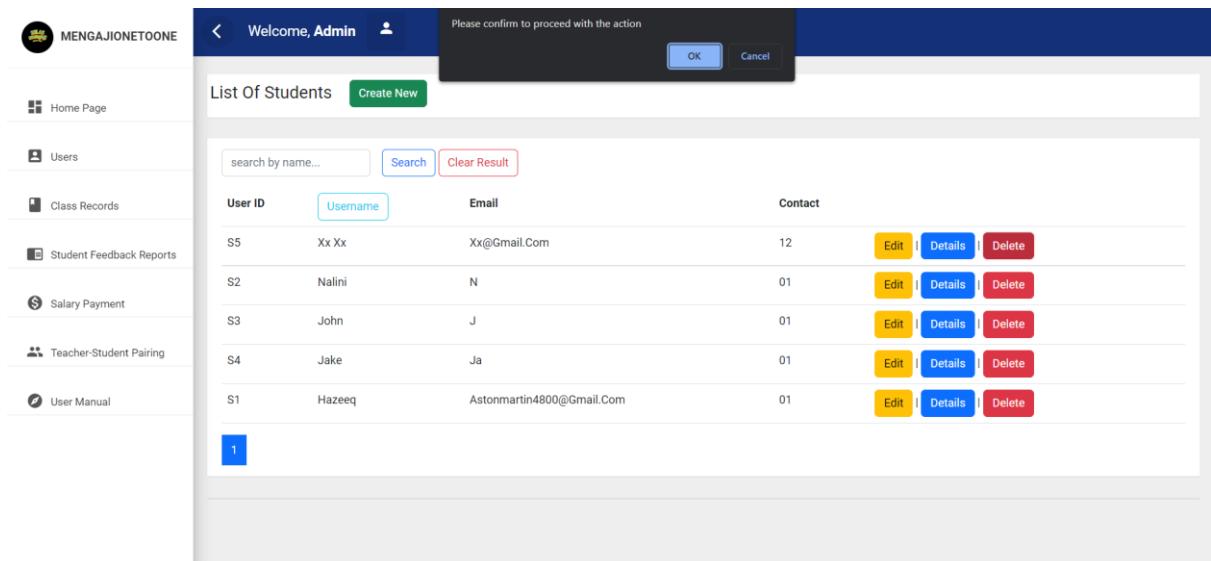


Figure 6.16: Delete Student User Prompt Message

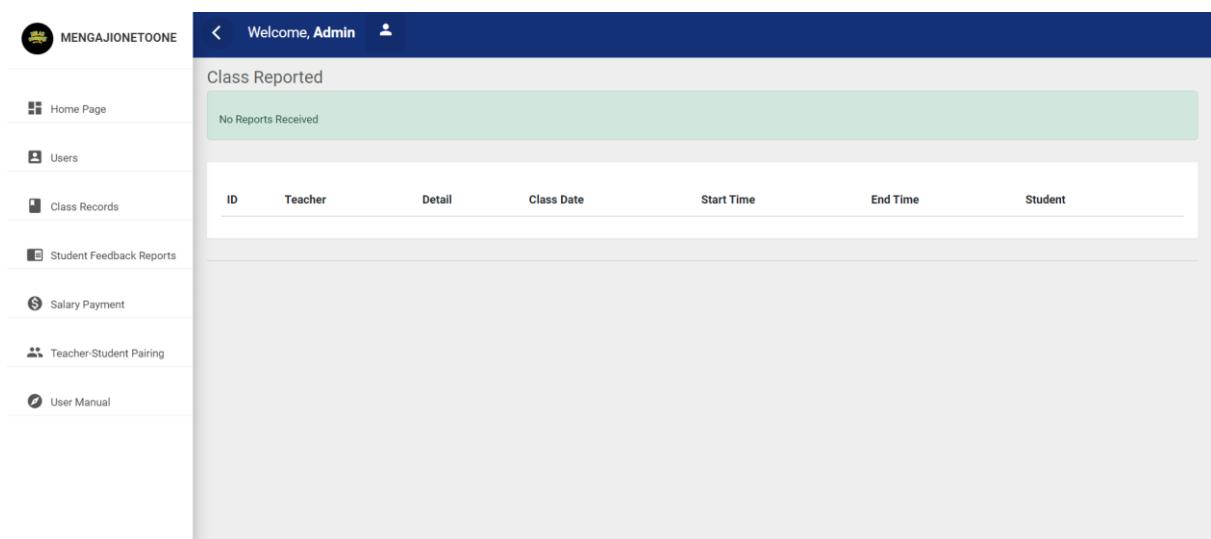


Figure 6.17: Class Reports List Page (Empty)

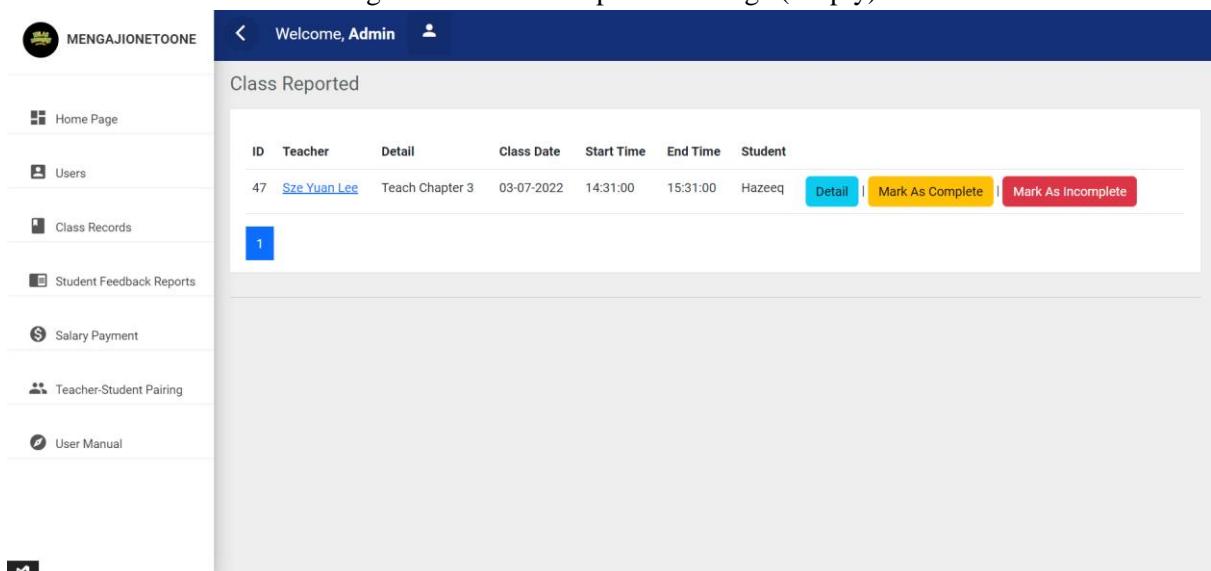


Figure 6.18: Class Reports List Page

The screenshot shows a web application interface for managing class reports. At the top, a navigation bar displays "Welcome, Admin" and a user icon. On the left, a sidebar menu includes "Home Page", "Users", "Class Records", "Student Feedback Reports", "Salary Payment", "Teacher-Student Pairing", and "User Manual". The main content area is titled "Class History" and contains a search bar with fields for "search by name...", "Search", and "Clear Result". Below the search bar is a table with columns: Teacher ID, Firstname, Lastname, Email, and Contact. The table rows represent teachers T2, T3, and T4, each with a "Manage Class History" button. A message box at the top right says "Please Pick A Teacher First".

Teacher ID	Firstname	Lastname	Email	Contact
T2	Yong Xin	X	012	<a href="#">Manage Class History</a>
T3	Sze Yuan	Lee	Lsyuan1029@gmail.com	0142591909
T4	Ee	Ee	Yy@gmail.com	123

Figure 6.19: Class History - Teacher List Page

The screenshot shows a web application interface for managing class history, specifically for teacher T3. At the top, a navigation bar displays "Welcome, Admin" and a user icon. On the left, a sidebar menu includes "Home Page", "Users", "Class Records", "Student Feedback Reports", "Salary Payment", "Teacher-Student Pairing", and "User Manual". The main content area is titled "Class History: List Of Students Under T3 - Sze Yuan" and contains a search bar with fields for "search by name...", "Search", and "Clear Result". Below the search bar is a table with columns: Student ID, Firstname, Lastname, Email, and Contact. The table rows represent students S4 and S1, each with a "Check Class Records" button. A "Go Back" button is located at the bottom left.

Student ID	Firstname	Lastname	Email	Contact
S4	Jake	Ja	01	<a href="#">Check Class Records</a>
S1	Hazeeg	Astonmartin4800@gmail.com	01	<a href="#">Check Class Records</a>

Figure 6.20: Class History - Student List Page

The screenshot shows a web application interface for managing student classes. On the left is a sidebar with navigation links: Home Page, Users, Class Records, Student Feedback Reports, Salary Payment, Teacher-Student Pairing, and User Manual. The main content area has a header "Welcome, Admin". Below it, a section titled "Class History: Of S1 - Hazeeq" displays "Past Class Records For Hazeeq". A search bar allows filtering by Class Status (dropdown), Month (dropdown, set to 7), Year (text input, set to 2022), and includes "Search" and "Clear Result" buttons. A table lists two class records:

ID	Detail	Class Date	Start Time	End Time	Duration	Class Status	Action
46	Teach Chapter 3	02-Jul-2022	15:31:00	15:31:00	1	Completed	<a href="#">Detail</a>   <a href="#">Delete</a>
47	Teach Chapter 3	03-Jul-2022	14:31:00	15:31:00	1	Completed	<a href="#">Detail</a>   <a href="#">Delete</a>

A blue button labeled "1" is positioned above the table. At the bottom of the page is a "Go Back" button.

Figure 6.21: Class History Page

This screenshot shows the details of a specific class record. The header "Welcome, Admin" is present. The main content is titled "Details Of Class 47" and includes a "Completed" status indicator. The details are listed in pairs:

- Teacher: Sze Yuan
- Student: Hazeeq
- Date: 7/3/2022 12:00:00 AM Duration: 1 Hour
- Start Time: 14:31:00 End Time: 15:31:00
- Class Detail: Teach Chapter 3
- Teacher Check In Time: 14:08:06 Teacher Check Out Time: 14:08:31
- Student Attendance Status: Yes
- Student Check In Time: Student Check Out Time:

A "Back To List" button is located at the bottom of the detail view.

Figure 6.22: Class History Detail Page

The screenshot shows a page for managing student performance feedback. The header "Welcome, Admin" is visible. The main content area is titled "Student Performance Feedback" and contains a message "Please Pick A Teacher First". Below this is a search bar with fields for "search by name...", "Search", and "Clear Result". A table lists teacher information:

Teacher ID	Firstname	Lastname	Email	Contact	Action
T2	Yong Xin	X	012	<a href="#">Manage Students</a>	
T3	Sze Yuan	Lee	Lsyuan1029@Gmail.Com	0142591909	<a href="#">Manage Students</a>
T4	Ee	Ee	Yy@Gmail.Com	123	<a href="#">Manage Students</a>

A blue button labeled "1" is positioned above the table. The sidebar on the left includes the same navigation links as Figure 6.21.

Figure 6.23: Student Performance Feedback - Teacher List Page

Student ID	Firstname	Lastname	Email	Contact	
S4	Jake	Ja		01	<a href="#">Check Feedbacks</a>
S1	Hazeeq	Astonmartin4800@Gmail.Com		01	<a href="#">Check Feedbacks</a>

Figure 6.24: Student Performance Feedback - Student List Page

Class Record ID	Detail	Date	Start Time	End Time	Duration	
46	Teach Chapter 3	02-Jul-2022	15:31:00	15:31:00	1	<a href="#">Details</a>   <a href="#">Delete</a>
47	Teach Chapter 3	03-Jul-2022	14:31:00	15:31:00	1	<a href="#">Details</a>   <a href="#">Delete</a>

Figure 6.25: Student Performance Feedback List Page

**Feedback Detail**  
Given By [Sze Yuan Lee](#)

**Feedback Detail**  
Student Can Understand The Topic Well

**Class [ Detail ]**  
7/2/2022 12:00:00 AM - Teach Chapter 3

[Back To List](#)

Figure 6.25: Student Performance Feedback Detail Page

**Feedback Report**

To: Hazeeq  
astonmartin4800@gmail.com  
01  
astonmartin4800@gmail.com

**Creation Date:** 7/4/2022 12:00:00 AM  
**Teacher:** Sze Yuan Lee  
**Email:** lsyuan1029@gmail.com

Class ID	Class Date	Class Detail	Feedback Detail
44	6/29/2022 12:00:00 AM	teach chapter 1	Student can understand the topic well
45	6/30/2022 12:00:00 AM	teach chapter 1	

[Print](#) [Back to List](#)

Figure 6.26: Student Performance Report PDF

**Welcome, Admin**

**Salary Payment**

ID	Name	Month/Year	Total Feedback/Classes	Total Teaching Hour	Net Salary	Status
28	Sze Yuan Lee	7/2022	2/2	2	RM 60.00	Paid

Figure 6.27: Salary Payment List Page

The screenshot shows a web application interface for 'MENAJIONETOONE'. At the top, a navigation bar displays 'Welcome, Admin' and a user icon. Below the navigation bar, a sidebar on the left lists various menu items: Home Page, Users, Class Records, Student Feedback Reports, Salary Payment (which is selected and highlighted in blue), Teacher-Student Pairing, and User Manual. The main content area is titled 'Details' and shows a 'Salary Record' for an entry with 'Salary ID' 28. The record includes the following details:

<b>Month/Year</b>	7/2022
<b>Name</b>	Sze Yuan Lee
<b>Bank</b>	Maybank
<b>Banking Number</b>	112223
<b>Report Submitted</b>	2 / 2
<b>Total Teaching Hour</b>	2 Hours
<b>Net Salary</b>	RM 60.00
<b>Payment Made Date</b>	7/3/2022 12:00:00 AM
<b>Payment Status</b>	Paid

At the bottom of the detail view, there are two buttons: 'Download Slip' (gray) and 'Unpaid/Pending' (blue).

Figure 6.28: Salary Payment Detail Page

This screenshot shows a PDF document titled 'Salary Slip' for Sze Yuan Lee. The document contains the following information:

**MengajiOneToOne**  
No 7 Lorong Mewah 11,  
Bandar Tun Razak,  
56000 Cheras, Kuala Lumpur  
Phone: +91 9800000000

**Invoice No:** 28  
**Date:** 7/3/2022 12:00:00 AM  
**Invoice To:**  
Sze Yuan Lee  
A77, Jalan Restu  
112223

Description	Rate per Hour	Total
Total Teaching Hour: 2	RM 30	RM 60.00

At the bottom of the PDF, there are two buttons: 'Download as PDF' (blue) and 'Back to Details' (gray).

Figure 6.29: Salary Slip PDF

Teacher ID	Firstname	Lastname	Email	Contact
T2	Yong Xin	X	012	<button>Manage Students</button>
T3	Sze Yuan	Lee	Lsyuan1029@gmail.com	0142591909
T4	Ee	Ee	Yy@gmail.com	123

Figure 6.30: Teacher-Student Pairing - Teacher List Page

Pairing ID	Student ID	Firstname	Lastname	Email	Contact
32	S4	Jake	Ja	01	<button>Delete</button>
29	S1	Hazeeg	Astonmartin4800@gmail.com	01	<button>Delete</button>

Figure 6.31: Teacher-Student Pairing - Student List Page

The screenshot shows a web-based application interface titled 'MENGAJIONETOONE'. The top navigation bar includes a logo, the title 'MENGAJIONETOONE', a back arrow, the greeting 'Welcome, Admin', and a user profile icon. On the left, a vertical sidebar lists several menu items with corresponding icons: 'Home Page', 'Users', 'Class Records', 'Student Feedback Reports', 'Salary Payment', 'Teacher-Student Pairing', and 'User Manual'. The main content area is titled 'Assign Students To Teachers' and contains two input fields: 'T\_Id' (containing 'T3 - Sze Yuan Lee') and 'S\_Id' (containing 'S2 - Nalini'). At the bottom of this section are two buttons: a blue 'Create' button and a grey 'Go Back' button.

Figure 6.32: Assign Student to Teacher Page

## Teacher

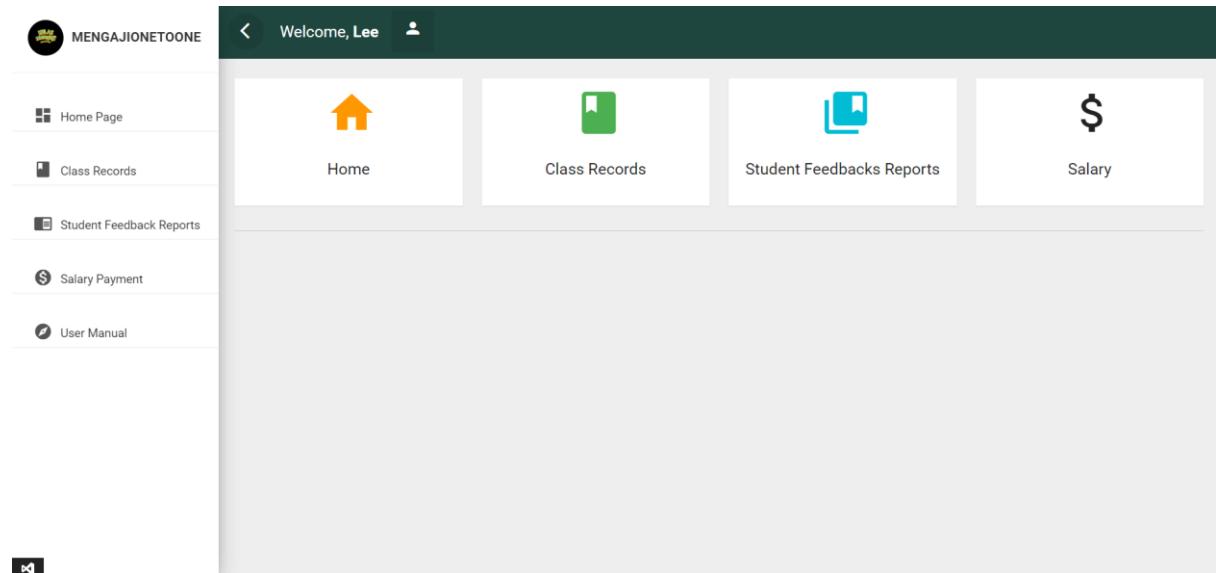


Figure 6.33: Teacher Home Page

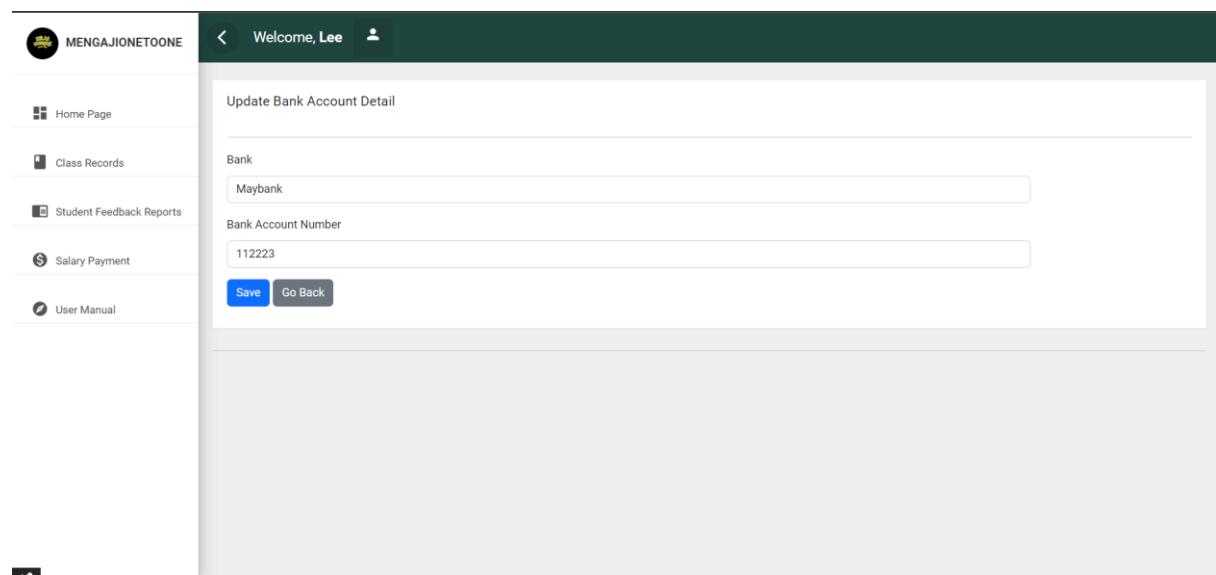


Figure 6.34: Edit Bank Account Detail Page

The screenshot shows the 'Class Management' section of the application. On the left, a sidebar menu includes 'Home Page', 'Class Records', 'Student Feedback Reports', 'Salary Payment', and 'User Manual'. The main area displays a table with columns: Student ID, Firstname, Lastname, Email, and Contact. Two rows are present: S4 (Firstname: Jake, Lastname: Ja, Email: Astonmartin4800@gmail.com, Contact: 01) and S1 (Firstname: Hazeeq, Lastname: Astonmartin4800@gmail.com, Contact: 01). Each row has a blue 'Check Today's Classes' button. A search bar at the top with placeholder 'search by name...' and buttons for 'Search' and 'Clear Result' is also visible. A message 'Please Pick A Student First' is displayed in a box.

Figure 6.35: Today's Class - Student List Page

The screenshot shows the 'Today Class For Hazeeq' page. The sidebar menu is identical to Figure 6.35. The main content displays a table with columns: Class Record ID, Detail, Start Time, End Time, Duration, Clock In, and Clock Out. One row is shown: Class Record ID 48, Detail Teach Chapter 4, Start Time 17:33:00, End Time 18:33:00, Duration 1, and Clock In (button labeled 'Check In'). A blue '1' icon is next to the row. A 'Go Back' button is located below the table.

Figure 6.36: Today's Class List Page(Check In)

The screenshot shows the 'Today Class For Hazeeq' page. The sidebar menu is identical to Figure 6.35. The main content displays a table with columns: Class Record ID, Detail, Start Time, End Time, Duration, Clock In, and Clock Out. One row is shown: Class Record ID 48, Detail Teach Chapter 4, Start Time 17:33:00, End Time 18:33:00, Duration 1, Clock In 12:18:16, and Clock Out (button labeled 'Check Out'). A blue '1' icon is next to the row. A 'Go Back' button is located below the table.

Figure 6.37: Today's Class List Page (Check Out)

The screenshot shows a web application interface for managing classes. At the top, a dark header bar displays the text "MENAJIONETOONE" and "Welcome, Lee". Below the header is a sidebar on the left containing links: "Home Page", "Class Records", "Student Feedback Reports", "Salary Payment", and "User Manual". The main content area is titled "Today Class For Hazeeq". It contains a table with one row of data:

Class Record ID	Detail	Start Time	End Time	Duration	Clock In	Clock Out
48	Teach Chapter 4	17:33:00	18:33:00	1	12:18:16	12:19:08 Completed

A blue button labeled "1" is positioned below the table. At the bottom of the page is a "Go Back" button.

Figure 6.38: Today's Class List Page (Completed)

This screenshot shows the same web application interface as Figure 6.37, but the class record has been completed. The table now shows:

Class Record ID	Detail	Start Time	End Time	Duration	Clock In	Clock Out
48	Teach Chapter 4	17:33:00	18:33:00	1	12:18:16	12:19:08 Completed

A blue button labeled "1" is positioned below the table. A message box at the top right says "Please Pick A Student First".

Figure 6.39: Class Proposal - Student List page

Welcome, Lee

### Class Proposals For Hazeeg

Class Record ID	Detail	Date	Start Time	End Time	Duration	Response
49	Chapter 8	06-Jul-2022	10:00:00	11:00:00	1	Yes
50	Teach Chapter 1	07-Jul-2022	12:20:00	13:20:00	1	Pending

[Create New Proposals](#)

Respond Status [Search](#) [Clear Result](#)

[Go Back](#)

Figure 6.40: Class Proposal List Page

Welcome, Lee

### Create Class Record Detail - S1

Detail  
teach chapter 1

Date  
07/07/2022

Start Time  
12:20 PM

End Time  
01:20 PM

Duration  
1

[Create](#) | [Go Back](#)

Figure 6.41: Create Class Proposal Page

Welcome, Lee

### Class Management

Please Pick A Student First

Student ID	Firstname	Lastname	Email	Contact
S4	Jake	Ja	01	<a href="#">Manage Class Records</a>
S1	Hazeeg	Astonmartin4800@gmail.com	01	<a href="#">Manage Class Records</a>

search by name... [Search](#) [Clear Result](#)

[Go Back](#)

Figure 6.42: Class History - Student List Page

Class Record ID	Detail	Date	Start Time	End Time	Duration	Class Status
46	Teach Chapter 3	02-Jul-2022	15:31:00	15:31:00	1	Completed
47	Teach Chapter 3	03-Jul-2022	14:31:00	15:31:00	1	Under Investigation

Figure 6.43: Class History List Page

Teacher	Sze Yuan		
Student:	Hazeeq		
Date:	7/3/2022 12:00:00 AM	Duration:	1 Hour
Start Time:	14:31:00	End Time:	15:31:00
Class Detail:	Teach Chapter 3		
Teacher Check In Time:	14:08:06	Teacher Check Out Time:	14:08:31
Student Attendance Status	Yes		
Student Check In Time:		Student Check Out Time:	

Figure 6.44: Class History Detail Page

**Student Performance Feedback Report**

Please Pick A Student First

Student ID	Name	Email	Contact	
S4	Jake	Ja	01	<a href="#">Manage Feedbacks</a>
S1	Hazeeg	Astonmartin4800@Gmail.Com	01	<a href="#">Manage Feedbacks</a>

Figure 6.45: Student Performance Feedback - Student List Page

**Completed Class Records For Hazeeg**

Class Record ID	Detail	Date	Start Time	End Time	Duration	Feedback
46	Teach Chapter 3	02-Jul-2022	15:31:00	15:31:00	1	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
48	Teach Chapter 4	04-Jul-2022	17:33:00	18:33:00	1	<a href="#">Create</a>

**Generate Feedback Reports For Hazeeg**

Month: Month Year: search by year... Generate Report

Go Back

Figure 6.46: Student Performance Feedback List Page

**Create Feedback - S1**

Class ID  
48

Feedback Detail

Date  
mm/dd/yyyy

Create | Go Back

Figure 6.47: Create Student Performance Feedback Page

The screenshot shows a web application interface for creating student performance feedback. At the top, a dark header bar displays the text "MENGAJIONETOONE" and "Welcome, Lee". Below the header is a sidebar menu with the following items: "Home Page", "Class Records", "Student Feedback Reports", "Salary Payment", and "User Manual". The main content area is titled "Edit Feedback - S1". It contains three input fields: "Class ID" (value: 46), "Feedback Detail" (value: "Sudent can understand the topic well"), and "Date" (value: "07/03/2022"). At the bottom of the form are two buttons: "Save" (green) and "Go Back".

Figure 6.48: Edit Student Performance Feedback Page

The screenshot shows a web application interface for editing student performance feedback. At the top, a dark header bar displays the text "MENGAJIONETOONE" and "Welcome, Lee". Below the header is a sidebar menu with the following items: "Home Page", "Class Records", "Student Feedback Reports", "Salary Payment", and "User Manual". The main content area is titled "Feedback Detail". It displays the feedback entry: "Feedback Detail" (value: "Student Can Understand The Topic Well"), "Class" (value: "[Detail]"), and "7/2/2022 12:00:00 AM - Teach Chapter 3". At the bottom of the form is a single button: "Back To List".

Figure 6.49: Student Performance Feedback Detail Page

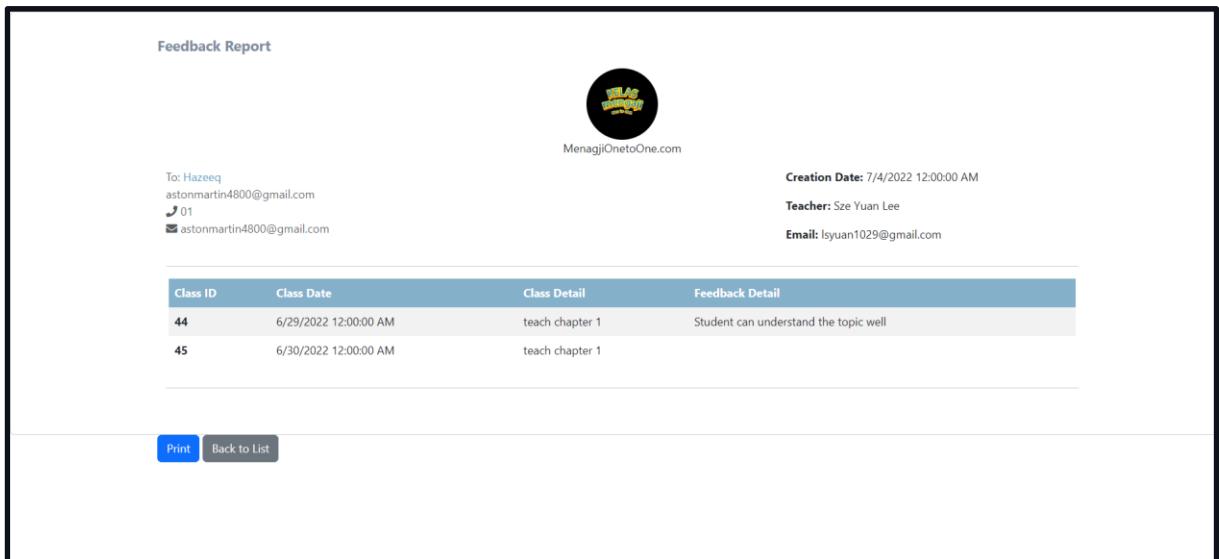


Figure 6.50: Monthly Student Performance Feedback Report PDF

The screenshot shows a web interface for "Salary Payment". The left sidebar has links for "Home Page", "Class Records", "Student Feedback Reports", "Salary Payment" (which is selected and highlighted in blue), and "User Manual". The main area has a header "Welcome, Lee" and a search/filter section with fields for "search by name...", "Payment Status", month "7", year "2022", a "Filter" button, and a "Clear Result" button. Below is a table with columns: ID, Name, Month/Year, Total Feedback/Classes, Total Teaching Hour, Net Salary, and Status. One row is shown: ID 28, Name Sze Yuan Lee, Month/Year 7/2022, Total Feedback/Classes 1/2, Total Teaching Hour 2, Net Salary RM 60.00, and Status Paid. A blue box highlights the number "1" at the bottom left of the table.

Figure 6.51: Salary Payment List Page

The screenshot shows a web-based application interface for salary payment details. At the top, a dark header bar displays the text "Welcome, Lee" and a user profile icon. Below the header, a left sidebar menu lists several options: "Home Page", "Class Records", "Student Feedback Reports", "Salary Payment" (which is currently selected), and "User Manual". The main content area is titled "Details" and contains a "Salary Record" section. Within this section, various details are listed:

- Salary ID**: 28
- Month/Year**: 7/2022
- Name**: Sze Yuan Lee
- Bank**: Maybank
- Banking Number**: 112223
- Report Submitted**: 1 / 2
- Total Teaching Hour**: 2 Hours
- Net Salary**: RM 60.00
- Payment Made Date**: 7/3/2022 12:00:00 AM
- Payment Status**: Paid

At the bottom of the "Details" section, there are two buttons: "Download Slip" and "Go Back".

Figure 6.52: Salary Payment Detail Page

The screenshot shows a PDF document titled "Salary Slip" from the "MengajiOneToOne" application. The document includes the company's address and contact information, invoice details, and a summary table of the salary payment.

**MengajiOneToOne**  
No 7 Lorong Mewah 11,  
Bandar Tun Razak,  
56000 Cheras, Kuala Lumpur  
Phone: +91 9800000000

**Invoice No:** 28  
**Date:** 7/3/2022 12:00:00 AM  
**Invoice To:**  
Sze Yuan Lee  
A77, Jalan Restu  
112223

Description	Rate per Hour	Total
Total Teaching Hour: 2	RM 30	RM 60.00

At the bottom of the PDF, there are two buttons: "Download as PDF" and "Back to Details".

Figure 6.53: Salary Slip PDF

## Student

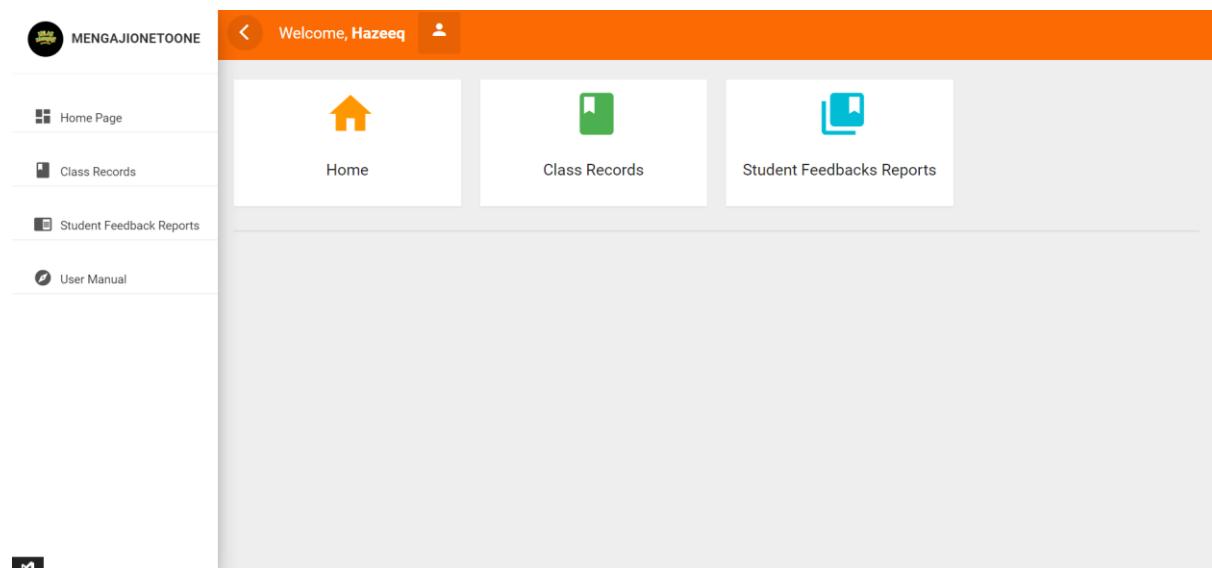


Figure 6.54: Student Home Page

The screenshot shows the "Today's Class List" page for the student Hazeeq. At the top, there is a header bar with the text "Welcome, Hazeeq" and a user profile icon. Below the header, there is a section titled "Class Happening Today" which contains the message "You Have No Class Today :)" in a green box. Underneath this, there is a search bar labeled "Select Teacher:" with a dropdown menu showing "Teacher", a "Filter" button, and a "Clear Result" button. Below the search bar is a table with the following columns: ID, Teacher, Detail, Class Date, Start Time, End Time, Slide In, and Slide Out. The table currently has no data rows.

Figure 6.55: Today's Class List Page (No Class)

MENGAJIONETOONE

Welcome, Hazeeq

Class Happening Today

Select Teacher: Teacher Filter Clear Result

ID	Teacher	Detail	Class Date	Start Time	End Time	Slide In	Slide Out
48	Sze Yuan Lee	Teach Chapter 4	04-07-2022	17:33:00	18:33:00		Class Not Started Yet

1

Figure 6.56: Today's Class List Page (Class Not Started Yet)

MENGAJIONETOONE

Welcome, Hazeeq

Class Happening Today

Select Teacher: Teacher Filter Clear Result

ID	Teacher	Detail	Class Date	Start Time	End Time	Slide In	Slide Out
48	Sze Yuan Lee	Teach Chapter 4	04-07-2022	17:33:00	18:33:00		Check In

1

Figure 6.57: Today's Class List Page (Check In)

MENGAJIONETOONE

Welcome, Hazeeq

Class Happening Today

Select Teacher: Teacher Filter Clear Result

ID	Teacher	Detail	Class Date	Start Time	End Time	Slide In	Slide Out
48	Sze Yuan Lee	Teach Chapter 4	04-07-2022	17:33:00	18:33:00	12:19:33	Check Out

1

Figure 6.58: Today's Class List Page (Check Out)

The screenshot shows a user interface for managing classes. At the top, there is a navigation bar with the text "MENAJIONETOONE" and "Welcome, Hazeeq". Below the navigation bar is a sidebar with links: "Home Page", "Class Records", "Student Feedback Reports", and "User Manual". The main content area is titled "Class Happening Today". It contains a search bar with "Select Teacher: Teacher", a "Filter" button, and a "Clear Result" button. A table displays the following data:

ID	Teacher	Detail	Class Date	Start Time	End Time	Slide In	Slide Out
48	Sze Yuan Lee	Teach Chapter 4	04-07-2022	17:33:00	18:33:00	12:19:33	12:19:53

Figure 6.59: Today's Class List Page (Completed)

The screenshot shows a user interface for managing class proposals. At the top, there is a navigation bar with the text "MENAJIONETOONE" and "Welcome, Hazeeq". Below the navigation bar is a sidebar with links: "Home Page", "Class Records", "Student Feedback Reports", and "User Manual". The main content area is titled "Class Proposals From Your Teacher". It contains a search bar with "Teacher" and "Respond Status", a "Filter" button, and a "Clear Result" button. A table displays the following data:

ID	Teacher	Detail	Class Date	Start Time	End Time	Duration	Student Response
49	Sze Yuan Lee	Chapter 8	06-07-2022	10:00:00	11:00:00	1	Yes

Figure 6.60: Class Proposal List Page

MENGAJIONETOONE

Welcome, Hazeeq

Details Of Class ID - 49

Not Completed

Teacher: Sze Yuan

Student: Hazeeq

Date: 7/6/2022 12:00:00 AM Duration: 1 Hour

Start Time: 10:00:00 End Time: 11:00:00

Class Detail: Chapter 8

Teacher Check In Teacher Check Out Time:  
Time:

Student Attendance Status Yes

Student Check In Student Check Out Time:  
Time:

Back To List

Figure 6.61: Class Proposal Detail Page

MENGAJIONETOONE

Welcome, Hazeeq

Your Class History

ID	Teacher	Detail	Class Date	Start Time	End Time	Class Status	
46	<a href="#">Sze Yuan Lee</a>	Teach Chapter 3	02-07-2022	15:31:00	15:31:00	Completed	<a href="#">Detail</a>
47	<a href="#">Sze Yuan Lee</a>	Teach Chapter 3	03-07-2022	14:31:00	15:31:00	Completed	<a href="#">Detail</a>   <a href="#">Report</a>

1

Figure 6.62: Class History List Page (with “Report” button)

The screenshot shows a user interface for managing class history. At the top, there's a navigation bar with the title "MENGAJIONETOONE" and a "Welcome, Hazzeeq" message. Below the navigation bar is a sidebar with links: "Home Page", "Class Records", "Student Feedback Reports", and "User Manual". The main content area is titled "Your Class History". It features a search/filter section with fields for "Teacher" (Sze Yuan Lee), "Class Status" (Completed), "Month" (7), and "Year" (2022), along with "Filter" and "Clear Result" buttons. A table lists class details:

ID	Teacher	Detail	Class Date	Start Time	End Time	Class Status
46	Sze Yuan Lee	Teach Chapter 3	02-07-2022	15:31:00	15:31:00	Completed
47	Sze Yuan Lee	Teach Chapter 3	03-07-2022	14:31:00	15:31:00	Under Investigation

For each row, there are "Detail" and "Cancel Report" buttons. A blue number "1" is displayed at the bottom left of the table.

Figure 6.63: Class History List Page (with “Cancel Report” button)

The screenshot shows a user interface for generating student performance feedback. At the top, there's a navigation bar with the title "MENGAJIONETOONE" and a "Welcome, Hazzeeq" message. Below the navigation bar is a sidebar with links: "Home Page", "Class Records", "Student Feedback Reports", and "User Manual". The main content area is titled "Your Completed Class Records". It features a search/filter section with fields for "Your Teacher" (Teacher), "Month" (7), and "Year" (2022), along with "Filter" and "Clear Result" buttons. A table lists completed class records:

Class Record ID	Detail	Date	Start Time	End Time	Duration
46	Teach Chapter 3	02-Jul-2022	15:31:00	15:31:00	1

A blue number "1" is displayed at the bottom left of the table. Below this section is a "Generate Your Feedback Reports" section with a search/filter section for "Your Teacher" (Teacher), "Month" (Month), "Year" (search by year...), and a "Generate Report" button.

Figure 6.64: Student Performance Feedback List Page

The screenshot shows a web application interface. At the top, there is a navigation bar with the text "MENAJIONETOONE" and a user profile icon. Below the navigation bar, the main content area has a header "Welcome, Hazeeq". On the left side, there is a sidebar with several menu items: "Home Page", "Class Records", "Student Feedback Reports", and "User Manual". The main content area is titled "Feedback Detail" and displays information given by "Sze Yuan Lee". It states "Student Can Understand The Topic Well" and provides a "Class [Detail]" link. The creation date is listed as "7/2/2022 12:00:00 AM - Teach Chapter 3". A "Back To List" button is located at the bottom of this section.

Figure 6.65: Student Performance Feedback Detail Page

The screenshot shows a PDF document titled "Feedback Report". At the top, it features the "MENAJIONETOONE" logo and the text "MenajionetoOne.com". Below this, there is contact information: "To: Hazeeq astonmartin4800@gmail.com", "J 01", and "Email: lsyuan1029@gmail.com". To the right, it shows the "Creation Date: 7/4/2022 12:00:00 AM", "Teacher: Sze Yuan Lee", and "Email: lsyuan1029@gmail.com". The main content is a table with four columns: "Class ID", "Class Date", "Class Detail", and "Feedback Detail". The table contains two rows of data:

Class ID	Class Date	Class Detail	Feedback Detail
44	6/29/2022 12:00:00 AM	teach chapter 1	Student can understand the topic well
45	6/30/2022 12:00:00 AM	teach chapter 1	

At the bottom of the PDF, there are two buttons: "Print" and "Back to List".

Figure 6.66: Student Performance Feedback Report PDF