

## 5COSC021W Coursework 1 - GROUP template 2021\_22

- Use this template to structure the GROUP element of coursework 1. Ensure that the correct information is in each white box. The advice for each box is basic guidance to help you focus your answer.
- YOU MUST USE THIS TEMPLATE FOR THE GROUP WORK OF COURSEWORK 1.
- The current size of the boxes is not indicating how much you should write; change their size as you need but ensure that you make complete points, concisely, without repetition or going off topic.
- When you save the file, put your name and registration number in the file name, eg '5COSC003W\_cwk1\_group\_Kelly\_Garret\_12345678.doc'.
- A reminder of plagiarism: If you use bits of another's group report in yours or if you give your report to another group to use this will be the academic offence called 'collusion'.
- In each section you are asked to write who worked on this. **EVERYONE is expected to work in ALL sections – by either leading or providing constructive feedback.** If someone didn't do work in one section, do not say that they did. Rewarding those who didn't do any work is not good for you and is not good for them.

<b>Surname</b>	Dhali	
<b>Forename</b>	Monesha	
<b>Registration No:</b>	w1719240	
<b>By submitting this coursework you agree to the following:</b>		
I confirm that I understand what plagiarism is and have read and understood the section on Assessment Offences in the Essential Information for Students. The work that I have submitted is entirely my own. Any work from other authors is duly referenced and acknowledged.		I confirm
<b>List here the team name and the other members of your group</b>	Team Name: Polyglot Aisana Zharmagambetova Monesha Dhali Rahat Amit Haider Zain Cheema Joshua Nwachukwu Rafael Sally	

## 1. Logical ERD (10 marks)

**Which group members worked on this:**

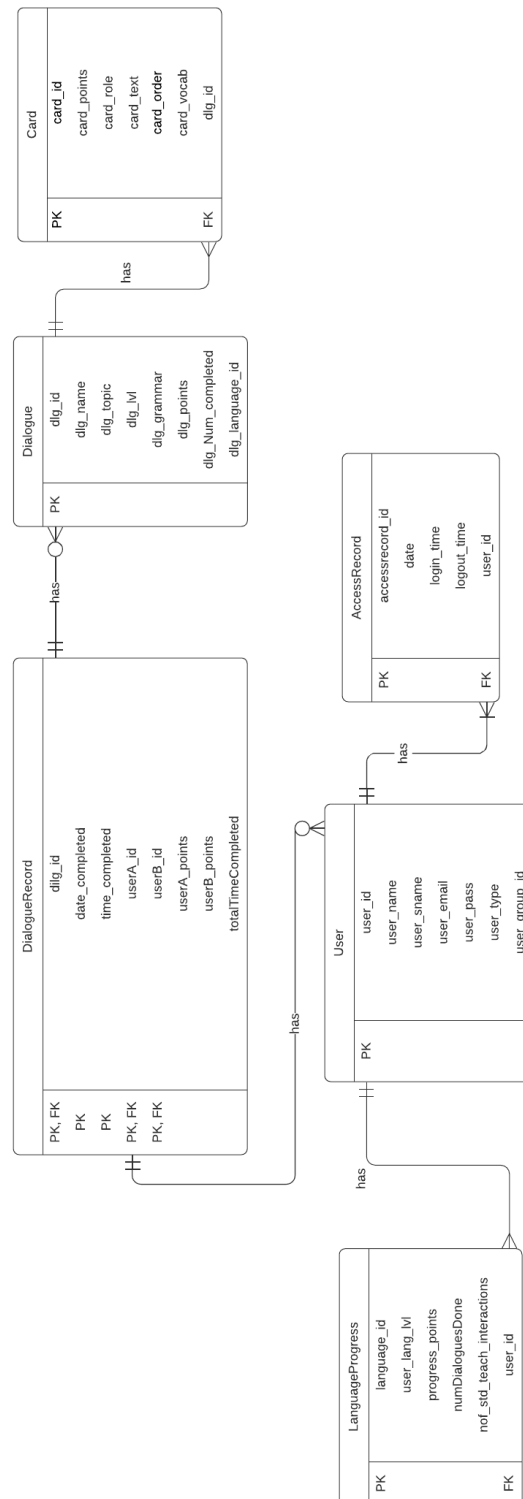
Aisana (provided draft and lead discussions)

Key partner of help: Monesha

Other group members contributed with feedback during meeting session reviews

**Guidance:** Put here the ERD model of the data you are using. This should include the specific data set you have for your group and should include all the attributes in your dataset.

LogicalERD



## 2. User Interaction Design (10 marks)

**Which group members worked on this:**

Aisana (provided draft and lead discussions)  
Key partner of help: Monesha  
Approved by team during team meeting review

**Guidance:** Include here the wireframe and mock up of your interface design

# Wireframe

The image displays 12 mobile app wireframes for a language learning application, organized into three rows of four. Each wireframe includes a title and a brief description of its function.

- AppTitle**: The main title of the application.
- Login**: A screen for users to log in with their email and password.
- Register**: A screen for users to create a new account by providing their name, email, password, and group ID.
- Setting**: A screen for users to choose their language of study and a "Logout" button.
- Progress Page**: A screen showing a user's progress, including a circular progress indicator (450 Points), current level (A2), and next level (B1).
- Dialogue History**: A screen showing a list of past dialogues with details like date, teacher, level, grammar, and total score.
- Support Page**: A screen providing support information, including a video link and contact details.
- Dialogue List**: A screen showing a list of dialogues with filters for level, topic, and grammar.
- Dialogue List: select dlg**: A screen for selecting a dialogue from a list, showing details like level, topic, and grammar.
- SetUp Dialogue**: A screen for setting up a dialogue, including a "Begin" button.
- Scroll Cards of Dialogue**: A screen showing a card with dialogue text and a "Role Name" field.
- Complete Dialogue**: A screen showing a "Congratulations on finishing!" message and a "Results" section with fields for dialogue name, level, time taken, and ratings.
- studentView**: A screen showing a list of students with columns for level, student ID, student name, and dialogues done.
- teacherView**: A screen showing a list of teachers with columns for group ID, teacher name, and student names.

# High Fidelity Interface Design

The image displays 20 high-fidelity interface design mockups for a language learning application, organized into a 4x5 grid. Each mockup represents a different screen or state of the application, with labels below them.

**Row 1: Initial User Flow**

- Login Page:** A blue screen with 'LangWise Login' and fields for 'User Name' and 'Password'. A 'Sign In' button and a 'Register' link are at the bottom.
- Login Page: error:** Similar to the login page, but with an error message: '\*Incorrect user name or password. Please try again'.
- Register Page:** A blue screen with 'Create User Account' and fields for 'Name', 'Surname', 'University ID', 'Email', 'Group ID', 'Password', and 'Repeat Password'. A 'Register' button and a 'Cancel' button are at the bottom.
- Register Page: error:** Similar to the register page, but with error messages: '\*Email doesn't exist. Try Again.', '\*Please, select group', and '\*Passwords don't match. Try again.'.
- Setting Page:** A blue screen with 'Settings' and 'Choose Language of Study' (a dropdown menu). A 'Logout' button is at the bottom.

**Row 2: User Progress and Dialogue History**

- User Progress View:** A blue screen showing 'Student' progress for 'Mark Smith'. It includes a circular progress indicator for '450 Points' and 'current level: A2'. A 'View Dialogue History' button is at the bottom.
- Completed Dialogues Page:** A blue screen showing a list of 'Past Dialogues' with columns for 'Date' and 'Dialogue'. A 'View Dialogue History' button is at the bottom.
- SupportPage:** A blue screen with 'Support Page' and a video player. It includes a 'Help1 - How to get there' section and a 'Help2 - How to do this' section.
- studentView:** A blue screen showing 'User List' with a table of 'Student Names' and 'Teacher: teacher name'. A 'View Dialogue History' button is at the bottom.
- teacherView:** A blue screen showing 'User List' with a table of 'Student ID', 'Student Name', and 'Dialogue done'. A 'View Dialogue History' button is at the bottom.

**Row 3: Dialogue Selection and Setup**

- Dialogue List Page:** A blue screen showing a list of 'Dialogue Name' with columns for 'Lvl', 'Dialogue Name', and 'Grammar'. A 'View Dialogue History' button is at the bottom.
- Dialogue List: select dlg:** A blue screen showing a 'Dialogue Name' selected from the list. A 'Select' button is at the bottom.
- SetUp Dialogue:** A blue screen showing 'Dialogue Name' and 'Level: Dialogue Level'. A 'Start' button is at the bottom.
- SetUp Dialogue: partnerError:** A blue screen showing 'Dialogue Name' and 'Level: Dialogue Level'. A 'Start' button is at the bottom.

**Row 4: Dialogue Interaction and Completion**

- Scroll Cards of Dialogue:** A blue screen showing a 'Dialogue Name' and a 'Rate Partner' section. A 'Complete' button is at the bottom.
- Scroll Cards of Dialogue: cancel:** A blue screen showing a 'Dialogue Name' and a 'Rate Partner' section. A 'Cancel' button is at the bottom.
- Scroll cards of Dialogue: ratingError:** A blue screen showing a 'Dialogue Name' and a 'Rate Partner' section. A 'Complete' button is at the bottom.
- Scroll cards of Dialogue: rated:** A blue screen showing a 'Dialogue Name' and a 'Rate Partner' section. A 'Complete' button is at the bottom.
- Complete Dialogue:** A blue screen showing 'Congratulations on finishing!' and 'Results'. A 'OK' button is at the bottom.

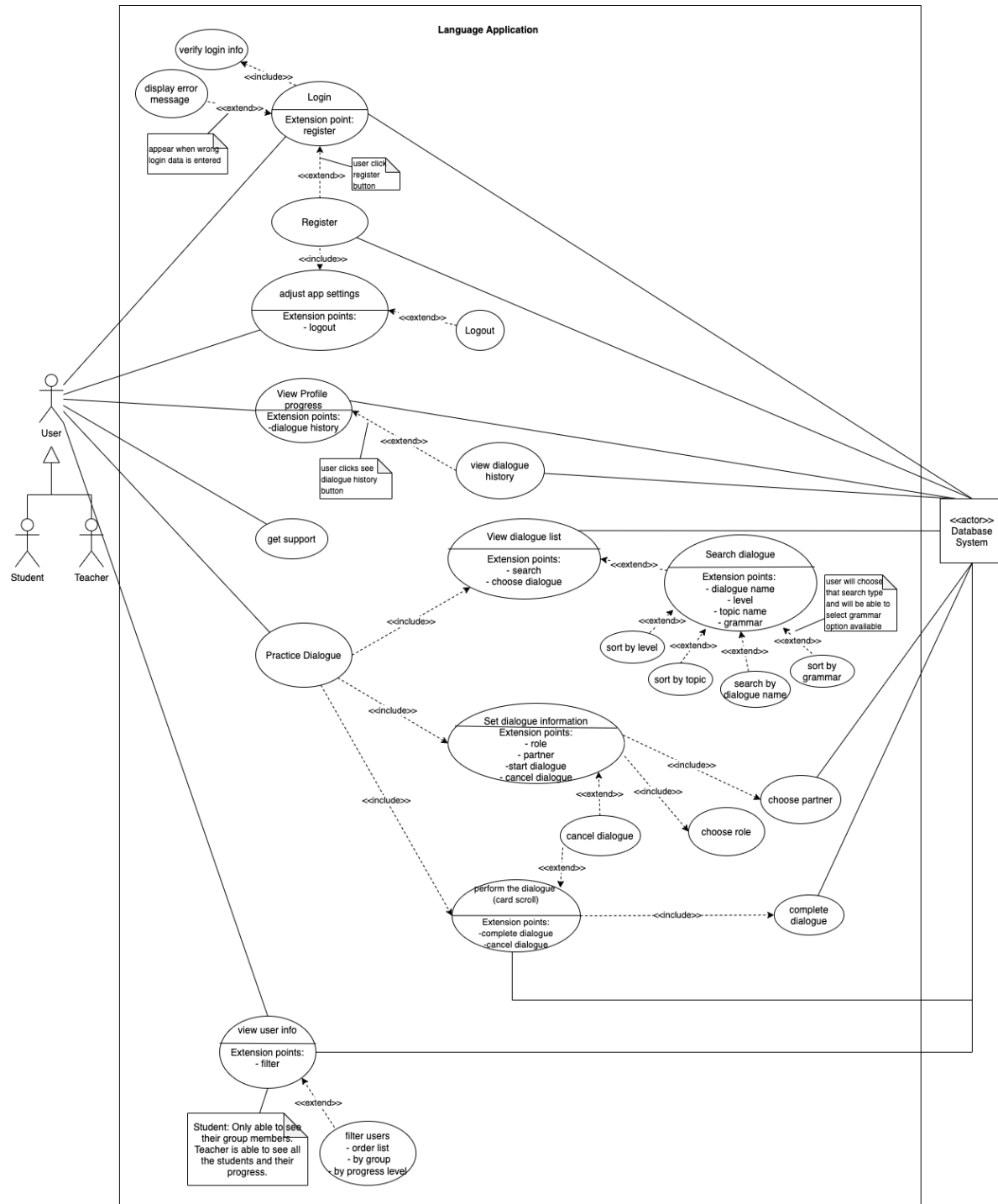
### 3. UML diagrams (40 marks)

**Which group members worked on this:**

Monesha (use case diagram)  
 - supporting partners: Aisana, Rafael  
 Zain (sequence diagrams)  
 - supporting partners: Rahat, Joshua, Monesha  
 Rahat (class diagram)  
 - support partners: Zain, Joshua, Aisana, Rafael  
 Later all the team contributed in team meetings review of the diagrams

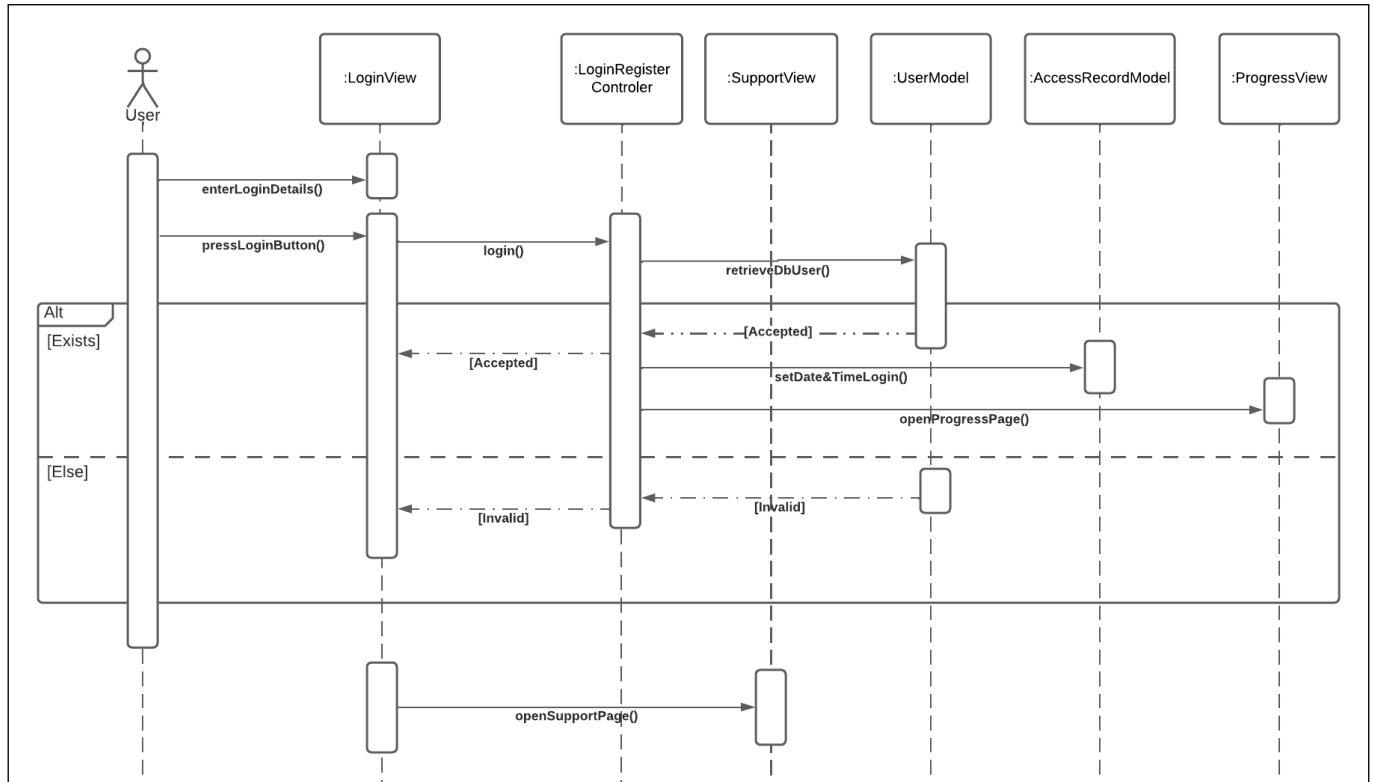
**Guidance:** Put here your use case diagrams, sequence diagrams and class diagrams

#### Use Case Diagrams

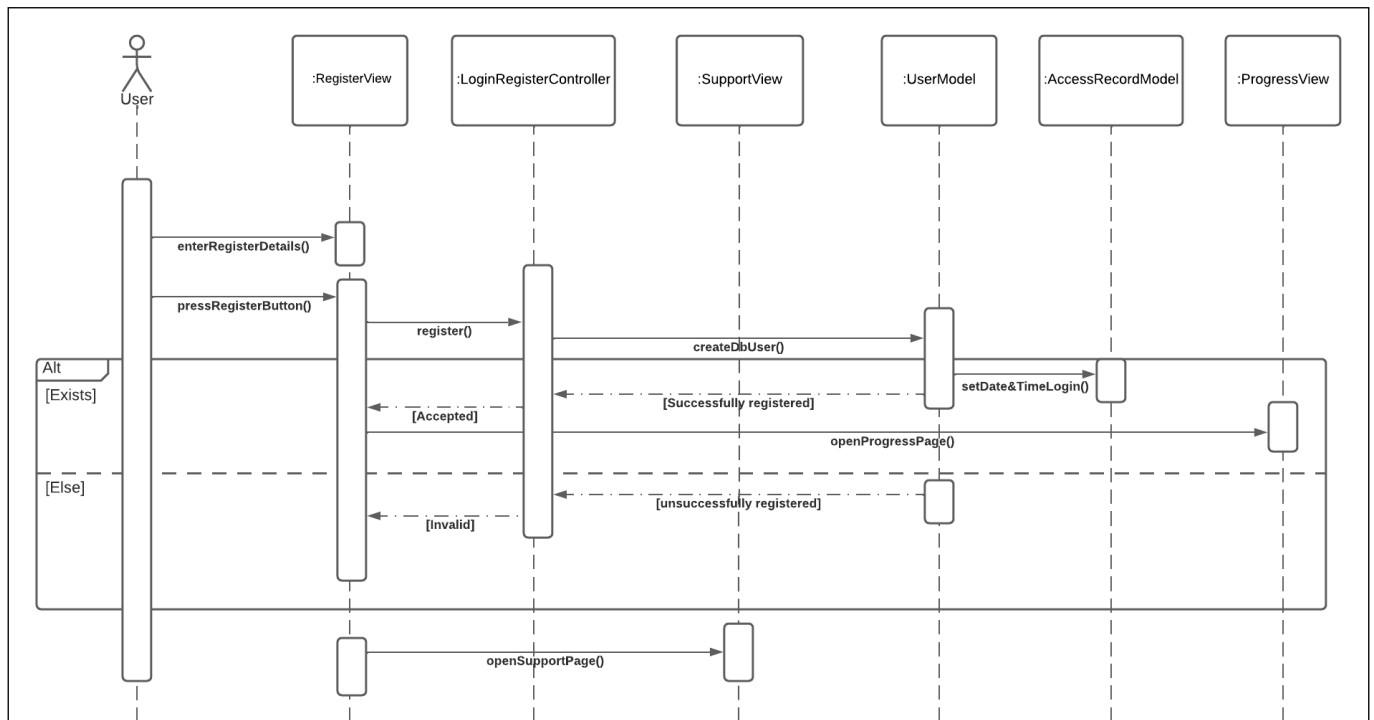


## Sequence Diagram(part1)

### Login

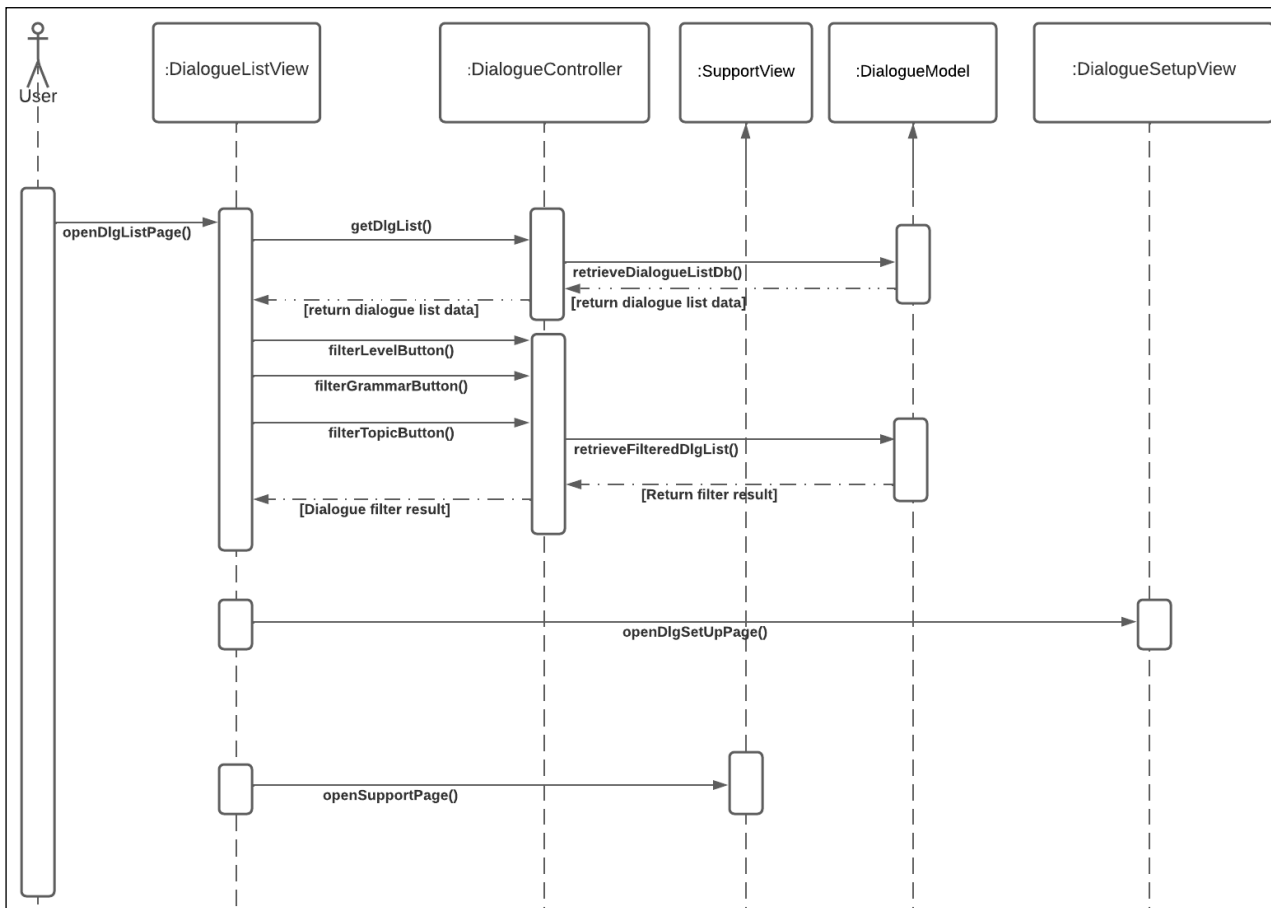


### Register

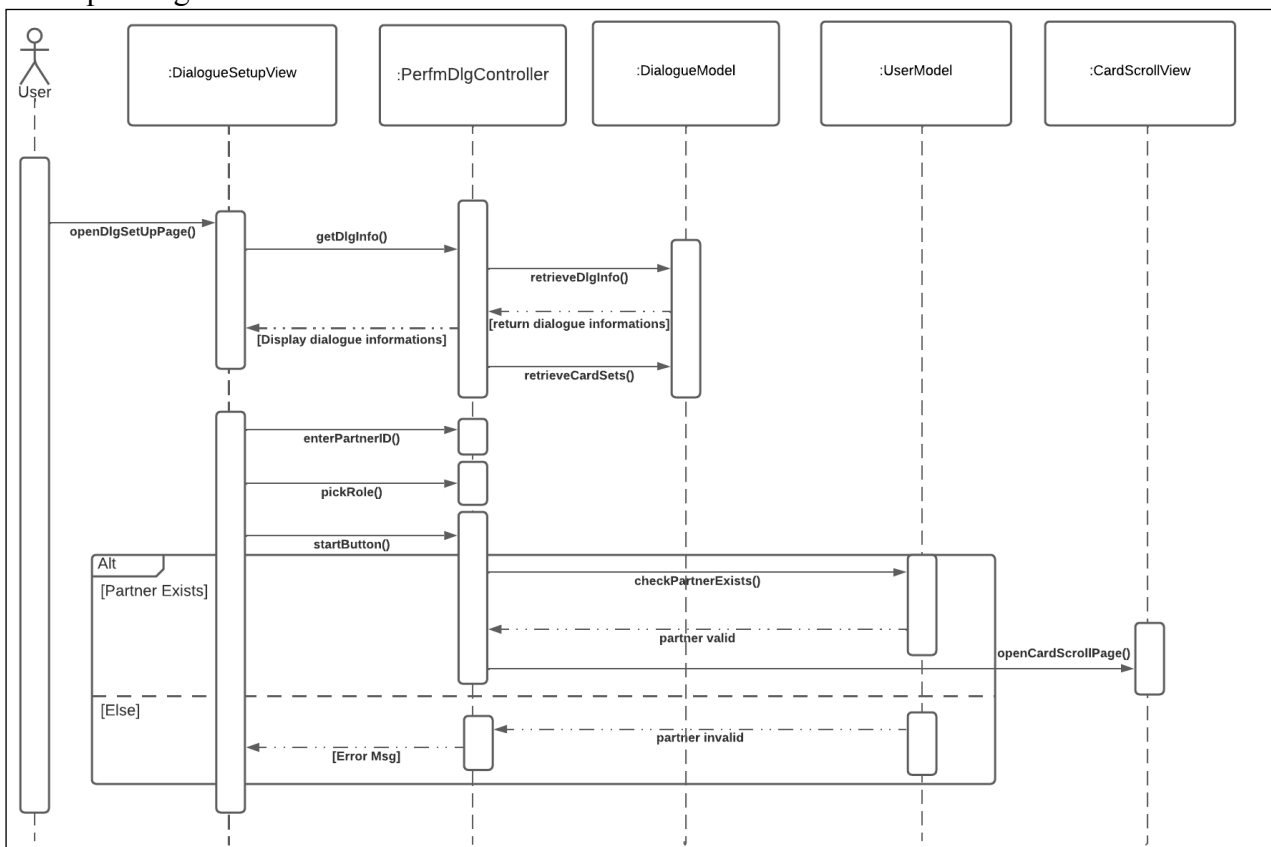


## Sequence Diagram(part2)

### Choose Dialogue

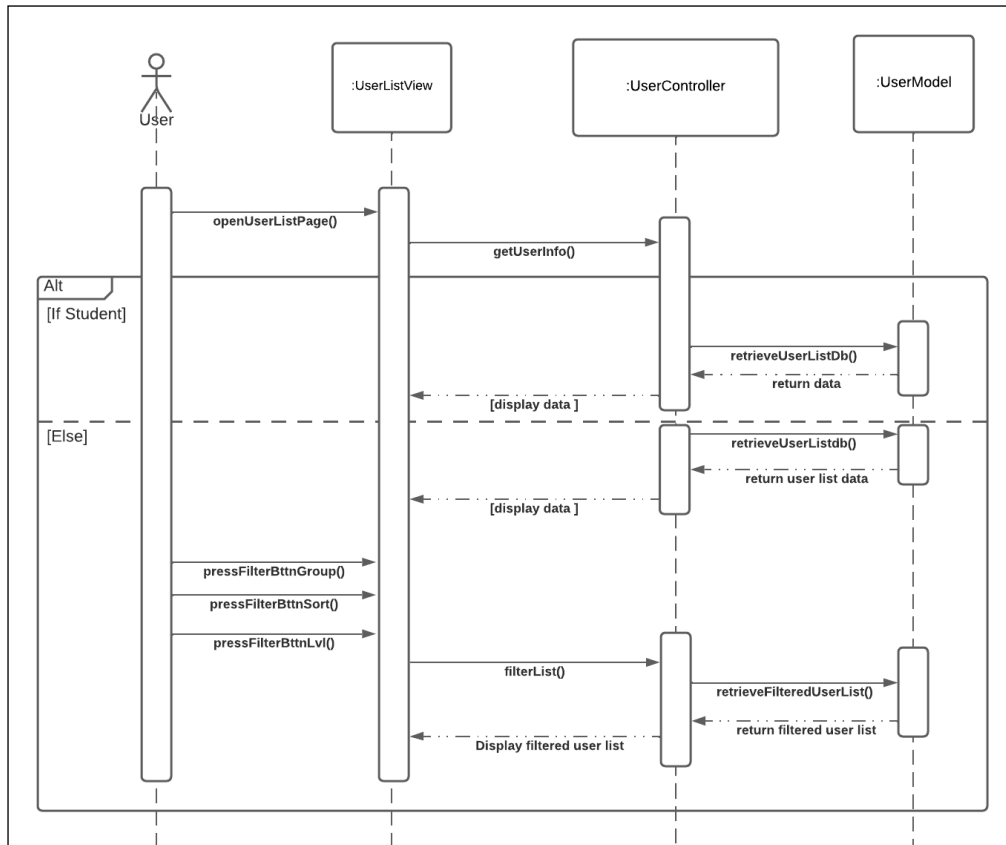


### SetUpDialogue

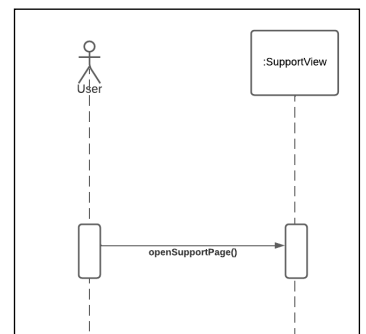


## Sequence Diagram(part3)

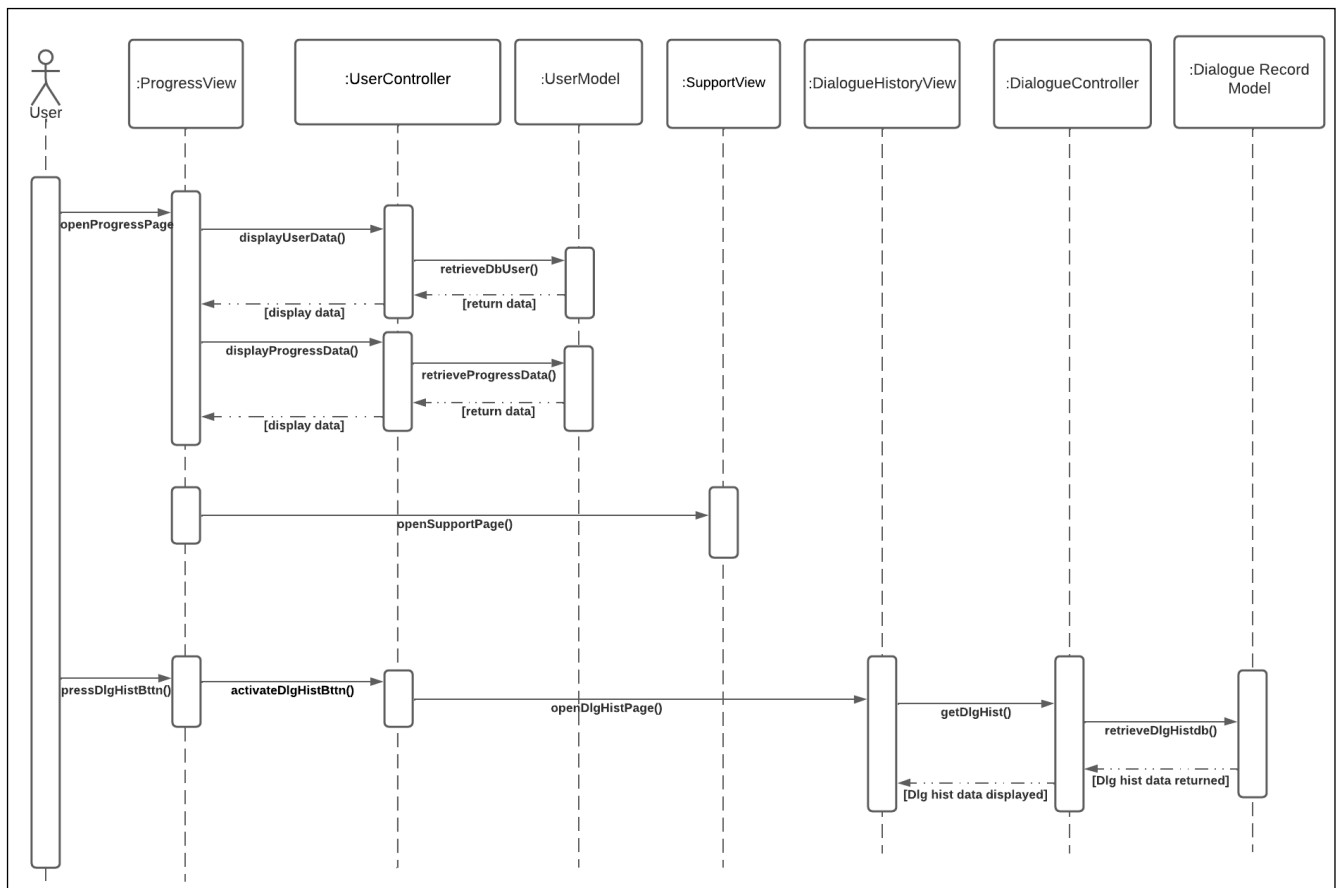
### View User List



### Open Support Page



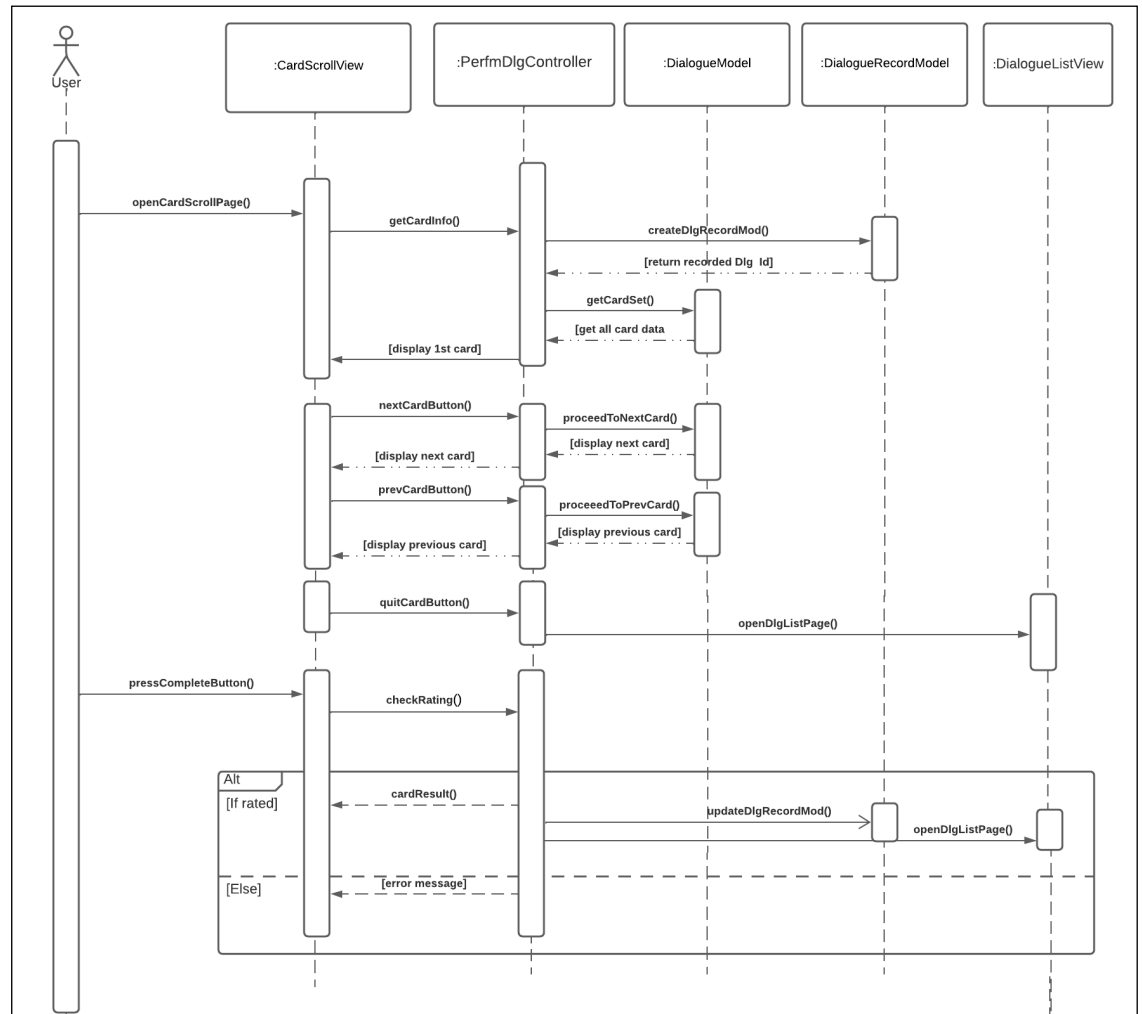
### ProgressPage View



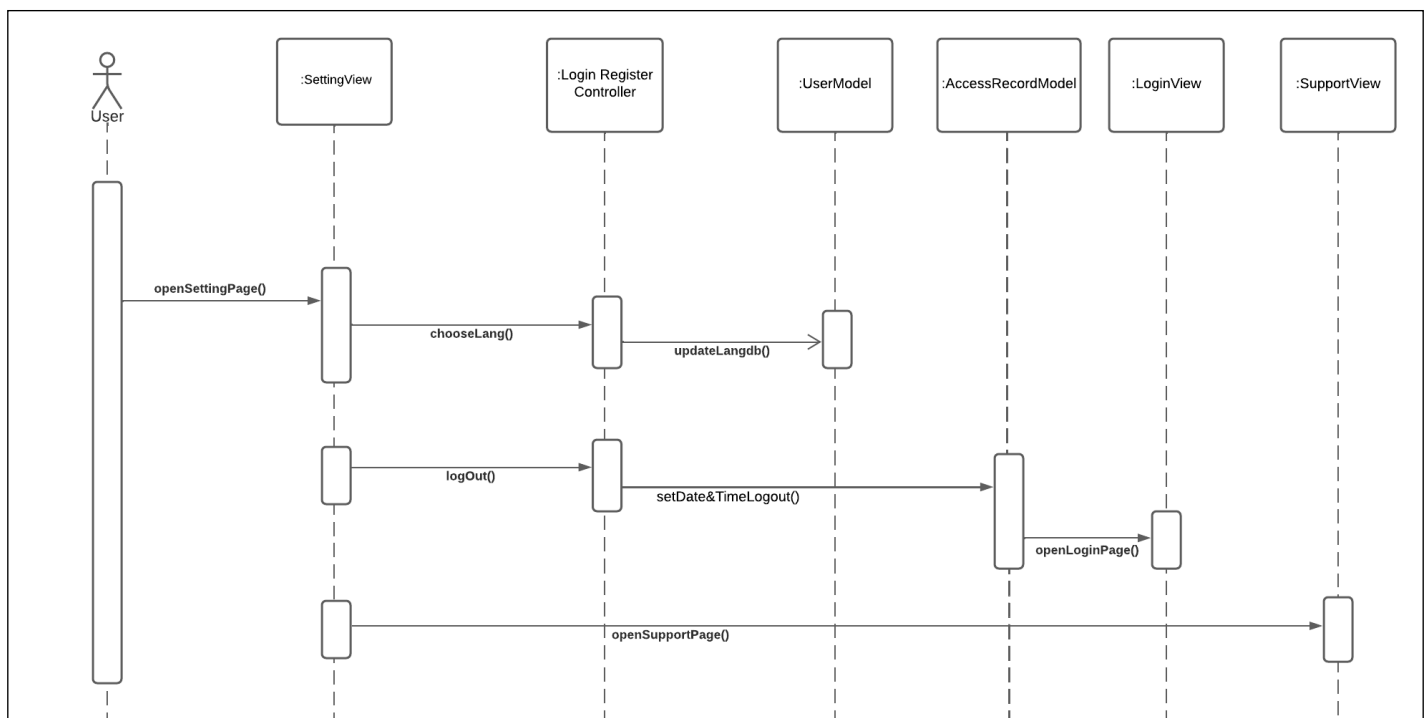


## Sequence Diagram(part4)

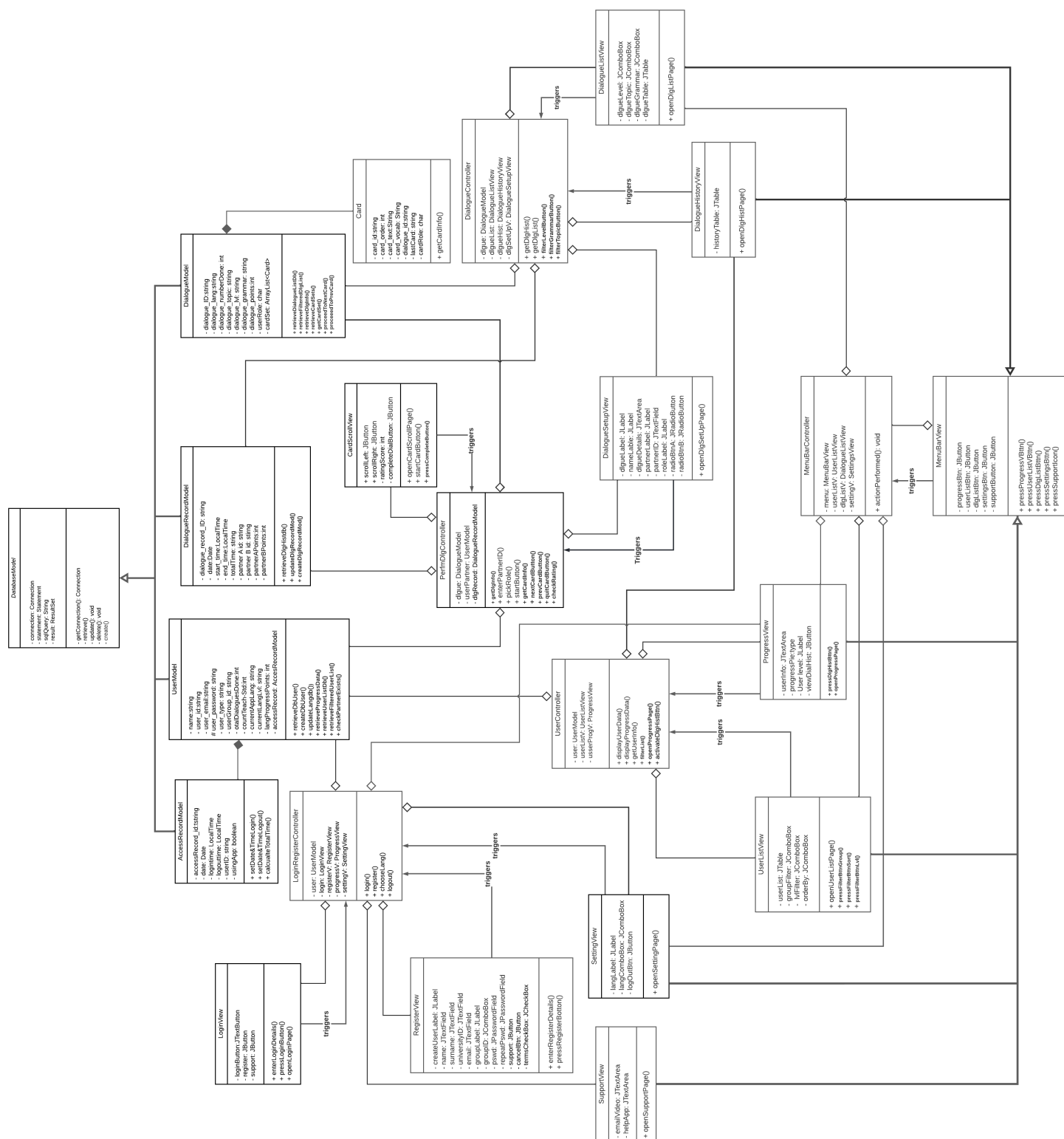
### Scroll Cards (doing dialogue)



### Setting



## Class Diagram



## 4. Use case test plans (10 marks)

**Which group members worked on this:**

Monesha and Rafael  
Review helpers: Amit, Joshua  
With review, feedback and approval of the team

**Guidance:** Put here your use case test plans

Test Id	Test Description	Test Input (steps)	Test Input Data	Expected result	Actual Result	Status (Pass/Fail)
1a	Verify the register functionality	1. All user details are entered 2. Valid email is entered 3. Password entered is in the correct format	User Name: Jhon User Surname: Jones Email: Jhon88@gmail.com Password: Acgsfye	User should be registered		
1b	Verify the register functionality	1. All user details are entered 2. Invalid email is entered 3. Password entered is in the correct format	User Name: Jhon User Surname: Jones Email: Jhon81@gmail.com Password: Acgsfye	User should not be registered		
1c	Verify the register functionality	1. All user details are entered 2. Valid email is entered 3. Password entered is not in the correct format	User Name: Jhon User Surname: Jones Email: Jhon88@gmail.com Password: ahbd\$£&	User should not be registered		
1d	Verify the register functionality	1. All user details are entered 2. Invalid email is entered 3. Password entered is not in the correct format	User Name: Jhon User Surname: Jones Email: Jhon81@gmail.com Password: @&%\$asd	User should not be registered		
1e	Verify the register functionality	1. Not all user details are entered 2. Valid email is entered 3. Password entered is in the correct format	User Name: Jhon User Surname: Jhon88@gmail.com Password: Acgsfye	User should not be registered		
1f	Registered data (new user info) is saved in database. Account successfully created.	All required information have been previously successfully entered	n/a	Register Successful and data input by user is saved in the database (users table)		
2a	Verify Login Functionality	1. Enter valid username 2. Enter valid password	Username: Jhon Password: aleluja1	User should login		
2b	Verify Login Functionality	1. Enter valid username 2. Enter invalid password	Username: Jhon Password: aleluja%£	User should not login		
2c	Verify Login Functionality	1. Enter invalid username 2. Enter valid password	Username: J1on Password: aleluja1	User should not login		
2d	Verify Login Functionality	1. Enter invalid username 2. Enter invalid password	Username: J1on Password: aleluja£\$&	User should not login		
2e	Login data (time user logged in) is saved in database	All required information have been previously successfully entered	n/a	Login data should be saved in database (access record table)		
3	Link to register page from login page is valid	User clicks on the register link in the login page	Click "Register" link	User should enter register page		
4	Menu: User is able to view the menu	1. User logs in (already registered) 2. User views the menu bar	n/a	User should be able to view the menu bar		
5	Verify menu functionality: All the icons in the menu bar is active and able to transport user to its dedicated page	1. User logs in (already registered) 2. User views the menu bar 3. Click on every icon 4. Every icon leads to different pages	n/a	User should be able to see every page linked to the icon with fully loaded details in the page		
6	The app includes the student login version	1. User logs in (already registered) 2. User is able to view the type of account they have on the profile page	n/a	User should be able to see their account type (student/teacher version) on the profile/progress page		
7	The app includes the teacher login version	1. User logs in (already registered) 2. User is able to view the type of account they have on the profile page	n/a	User should be able to see their account type (student/teacher version) on the profile/progress page		
8a	Verify Logout functionality	1. User is able to go to settings 2. User clicks on the logout button	n/a	User should be logged out		
8b	Settings: Verify Logout functionality: user successfully logs out. The logout data (time) gets saved in the database	1. User is able to go to settings 2. User clicks on the logout button	n/a	User should be logged out		
9a	Settings: Verify app setting functionality gets displayed	1. User is in the register section 2. User is able to see the settings icon	n/a	App settings icon should be visible		
9b	Settings: User is able to access the App setting functionality when clicking on the settings icon	1. User is able to see the settings icon 2. User clicks on the settings icon	n/a	App settings icon should be visible		
9c	Settings: User is able to choose language they are studying	1. User clicks on the language link in setting 2. User chooses the language by clicking on it	n/a	All languages available should be displayed. User should be able to choose languages from that list.		
10a	Profile Page: User can access the profile page by pressing the profile icon (on the menu)	1. User presses the profile icon 2. User profile page gets displayed	n/a	User should be able to see the profile page		
10b	User profile page gets displayed	User profile page is shown	n/a	User should be in the profile page		
10c	Profile Page: user details displayed	1. User is in the profile page 2. User is able to see all of their details	n/a	User should be able to view all their user details		
10d	Profile Page: progress displayed	1. User is in the profile page 2. User is able to see their progress	n/a	User should be able to view their progress		
10e	Profile Page: "dialogue history button" gets displayed	1. User is in the profile page 2. Dialogue History button is shown	n/a	User should be able to view the "dialogue history button"		
10f	Profile Page: verify the "dialogue history button" works	1. Dialogue History button is displayed 2. User clicks on the dialogue history button	n/a	User should be able to press the "dialogue history button"		
10g	Profile Page: User is able to move from profile page to "dialogue history page"	1. User is in the the profile page 2. User clicks on the dialogue history button	n/a	User should be in the dialogue history page		
11a	Verify the functionality of Dialogue History page (it gets displayed)	User presses the dialogue history button	n/a	Dialogue history should be displayed		

11b	Dialogue History: List of all the dialogue user participated is displayed	1. User is in the dialogue history page 2. User is able to see all the dialogues that they participated in	n/a	User should be able to see all the dialogues they participated in		
11c	Dialogue History: Display past dialogue in list format	Past dialogues are displayed in list format	n/a	User should be able to see a list of past dialogues		
11d	Dialogue History: Display necessary columns such as past dialogue level, past dialogue name or past dialogue points.	1. User is in the dialogue history page 2. Dialogue level, Past dialogue name and past dialogue points are displayed	n/a	Dialogue level, Past dialogue name and past dialogue points should be displayed		
12a	Verify the support page gets displayed when pressing the help icon button (menu)	1. User is in the menu page 2. User clicks on the help button	n/a	User can access the support page by pressing the help icon (moves to the support page)		
12b	Verify Support Page functionality	User clicks on the help button	n/a	User should be able to view the support page		
12c	Support page: Displays information that is able to help the user navigate through the app	1. User is in the support page 2. Information that helps users navigate through the app is displayed	n/a	User should be able to see information that helps them navigate through the app		
13a	Verify the user list page gets displayed when pressing the "user list button" (menu)	1. User is in the Menu page 2. User clicks the user list button	n/a	User should be able to move from any page to "user list page"		
13b	User list page (student version): student is able to view all their colleagues in the same course (as a list)	1. User list page (Student version) is displayed 2. List of all the students in the same course is displayed	n/a	Student should be able to view all the their colleagues in the same course		
13c	User list page (teacher version): teacher is able to view all the student details registered in the database	1. User list page(Teacher version) is displayed 2. Details of the students registered in the database are displayed	n/a	Teacher should be able to see all details of the students that are registered in the database		
13d	User list page (teacher version): teacher is able to filter students. (eg: group id, user level, order by points, and number of dialogues	1. User list page (Teacher version) is displayed 2. Teacher filters students by group id, user level, order by points, and number of dialogues	n/a	Teacher should be able to filter students by group id, user level and order by points, and number of dialogues		
13e	Dialogue list Page: User can access the dialogue list page by pressing the dialogue icon (on the menu)	1. User is in the menu page 2. User clicks on the dialogue icon	n/a	User should be able to move from any page to "dialogue list page"		
13f	Dialogue list: Connection between dialogue list page and database is active	n/a	n/a	Dialogue list page should successfully retrieve data (dialogues) from the database (dialogue table). Then display these data as list/table.		
13g	Dialogue list page: a list of dialogue from the database gets displayed	1. User is in the dialogue list page 2. User is able to see a list of dialogues from the database	n/a	A list of dialogues from from the database should be displayed		
14a	Verify the filter/search functionality in the dialogue list page	1. User is in the dialogue list page 2. Filter/ search functionality is displayed	n/a	User should be able to use filter/search functionality		
14b	Verify that each dialogue are selectable	User selects dialogue	n/a	User should be able to select each dialogue individually		
14c	Verify user is able to proceed to the dialogue setting page after selecting a specific dialogue	1. User selects dialogue 2. User proceeds to the dialogue setting page	n/a	User should be able to proceed to the dialogue setting page after selecting a dialogue		
14d	Verify the dialogue setting page gets displayed	Dialogue page gets displayed	n/a	User able to view the dialogue setting page		
14e	Dialogue Setting: Dialogue details displayed	1. User is the dialogue setting 2. Dialogue level, topic, name and grammar is displayed	n/a	User should be able to view the information of the dialogue level, topic, name and grammar.		
14f	Verify that the data (registered partner list) from database gets retrieved	1. User is the dialogue setting 2. Registered partner list is retrieved from the database	n/a	User is able to view all the students participating in the same course as them		
14g	Dialogue Setting: user is able to enter the partner ID	1. User enters the correct partner ID 2. The partner ID is registered in the application database	n/a	User should be able to start the dialogue due to entering the right partner ID		
14h	Dialogue Setting: user is able to enter the partner ID	1. User enters the wrong partner ID 2. The partner ID is not registered in the application database.	n/a	User should not be able to start the dialogue due to entering the wrong partner ID		
14i	Dialogue Setting: user is able to choose the role they want from radio buttons	1. Choose the role radio buttons are displayed 2. User chooses their role by clicking either A or B	n/a	User should be able to choose either the option A or B		
14j	Dialogue Setting: verify that the user is able to go back to the dialogue list by pressing the "Cancel" button	User clicks the "Cancel" button (which is the x icon on the top right corner of the page)	n/a	User should be able to move from the dialogue setting page to the dialogue list page		
14k	Dialogue Setting: verify that the user is able to go proceed to practicing the dialogue by pressing the "Start" button	User presses the "Start" button	n/a	User should be able to move from the dialogue setting page to the card scroll page		
15a	Verify: card scroll page gets displayed	Card scroll page gets displayed	n/a	User should be able to see the card scroll page		

15b	Verify that the data (all the cards that forms a dialogue) from database gets retrieved	All data from dialogue cards is retrieved from the database	n/a	All the data (all the cards that forms a dialogue) from database (card table) should be retrieved and displayed in the card scroll page		
15c	Verify: the name of the dialogue gets displayed	Name of the dialogue gets displayed	n/a	User should be able to see the name of the dialogue		
15d	Verify: user can only view their part of the conversation	User card information is visible	n/a	User should only be able to view the card information of the role they choose		
15e	Verify: vocab support is included when accessing a card	1. User logs in 2. User choose dialogue from dialogue list 3. User choose partner, role in the dialogue setting 4. User starts practicing with partner when in the card scroll 5. User encounters difficult word 6. User accesses vocab support by pressing on the difficult word 7. A small pop-up window gets displayed with the vocab support user needs	n/a	User should be able access vocab support. User is able to see the translated meaning of a specific word when the small pop-up window gets displayed		
15f	Verify the result of the dialogue gets displayed after user finishes the dialogue	1. User finishes the dialogue 2. Dialogue result gets displayed	n/a	User should be able to view the result of the dialogue		
15g	Verify that the user partner is able to rate the user at the end of the dialogue	1. Dialogue is finished 2. Rating choices are displayed for the user partner to rate	Rates 3 out of 5	User partner should be able to rate the user		
15h	Verify the user result data gets stored in the database after pressing the "Okay" button (when dialogue is finished)	1. Dialogue is finished 2. User clicks "Okay" button 3. User data result is stored in the database	n/a	User data should get stored in the database (in the dialogue record table)		
15i	Verify the "Okay" button works	1. User clicks "Okay" button 2. User goes back to dialogue list page	n/a	User should be able to go back to the dialogue list after pressing the "Okay" button (when dialogue is finished)		
15j	Verify the "Cancel" button works	1. User is in the scroll card 2. User clicks "Cancel" button 3. User goes back to the dialogue page	n/a	User should be able to go back to the dialogue list after pressing the "Cancel" button in the card scroll		