



TCP2201 OOAD

Project

Trimester 1, 2021/2022

By Cactus2311

Prepared by:

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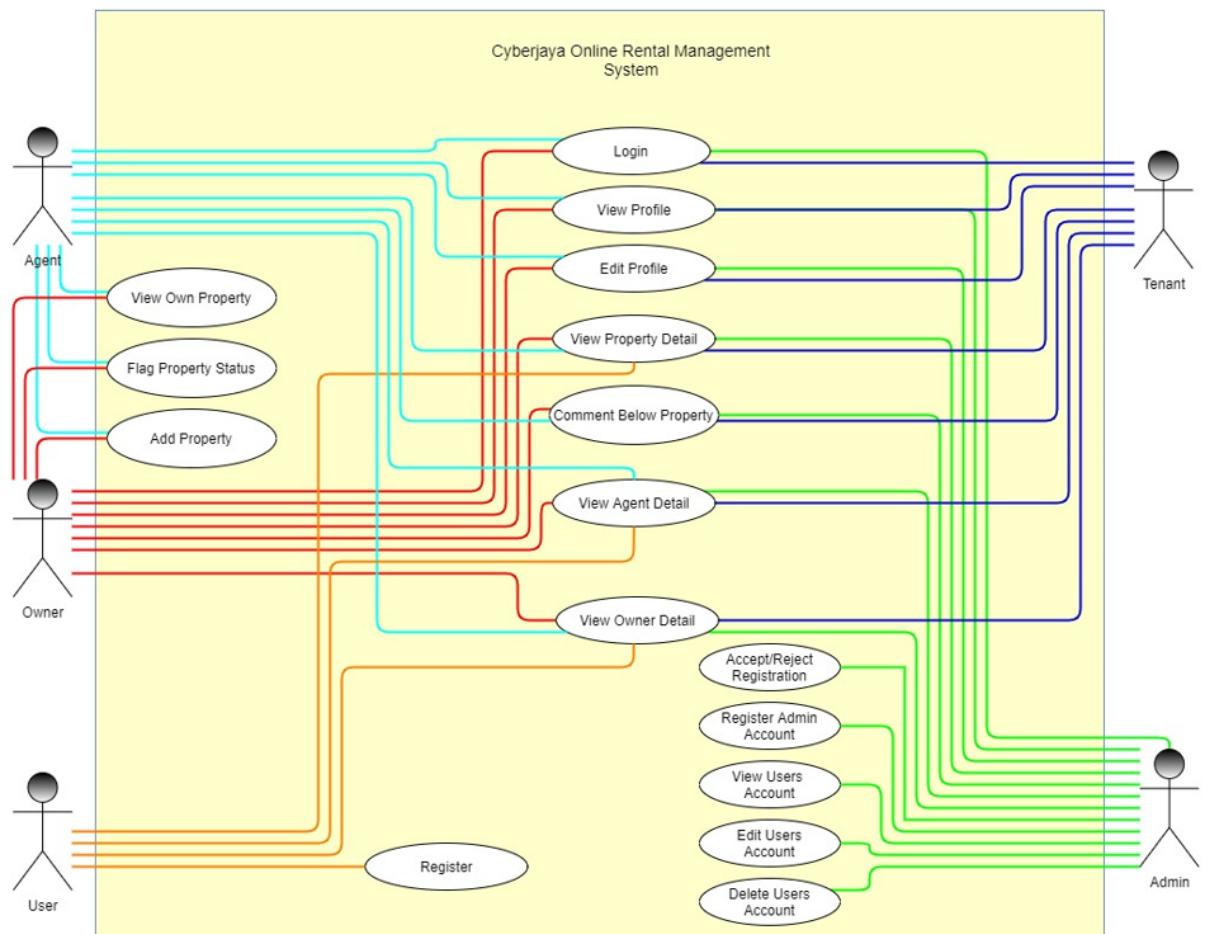
Introduction To Our System

This is a system for a Cyberjaya Online Rental Management System. The system will allow you to rent out or rent a property from a property owner or property agent which is provided by the admin. Each content of the properties are uploaded by the agent and agent respectfully to the system and are published to the tenants. The owners and agents are also able to activate/deactivate their property to be hidden from the property listing. The system is able to categorize the type of the property details according to the desired options and display it. Of course, our system consists of registering and logging in procedure so that the corresponding details of the user are loaded. As the admin of the system, you can create more admin accounts for other usage and admins are able to view and leave comments to all properties.

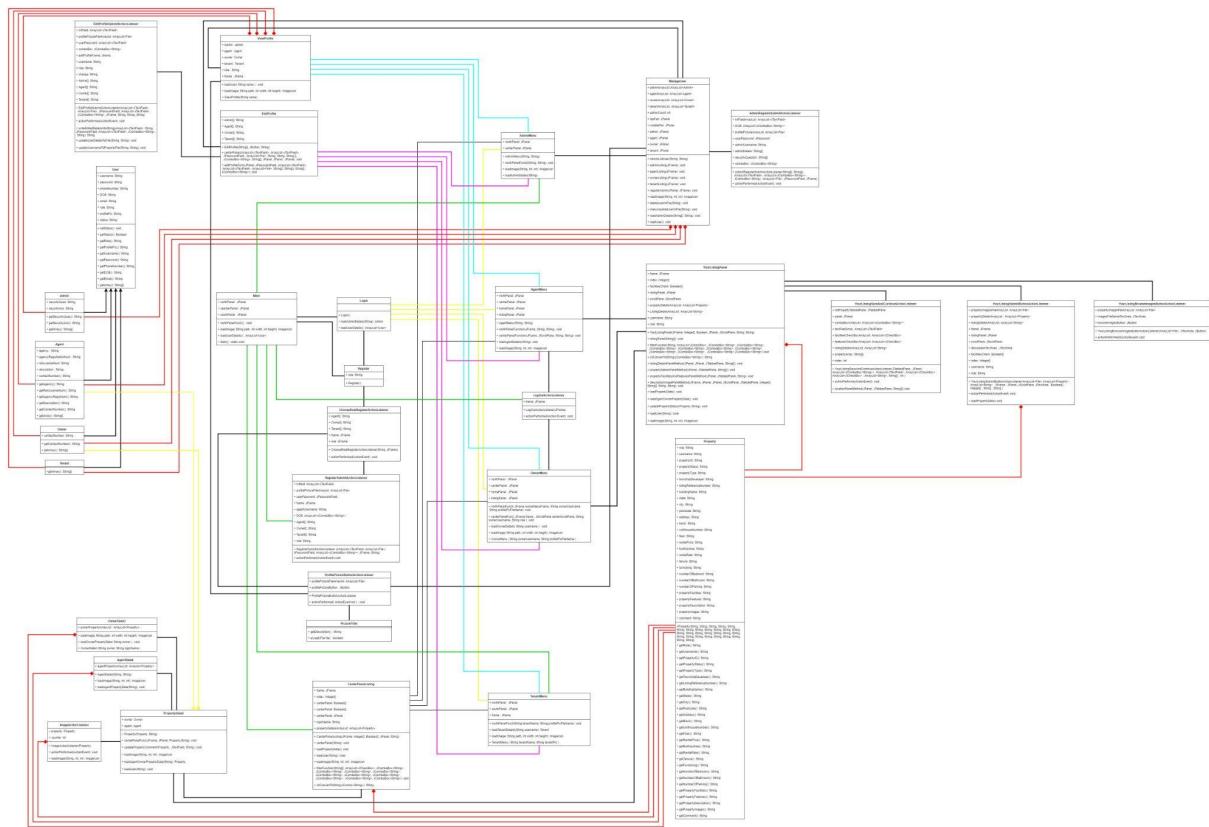
Assumption

Currently no assumption for our program.

Use Case Diagram



UML class Diagram

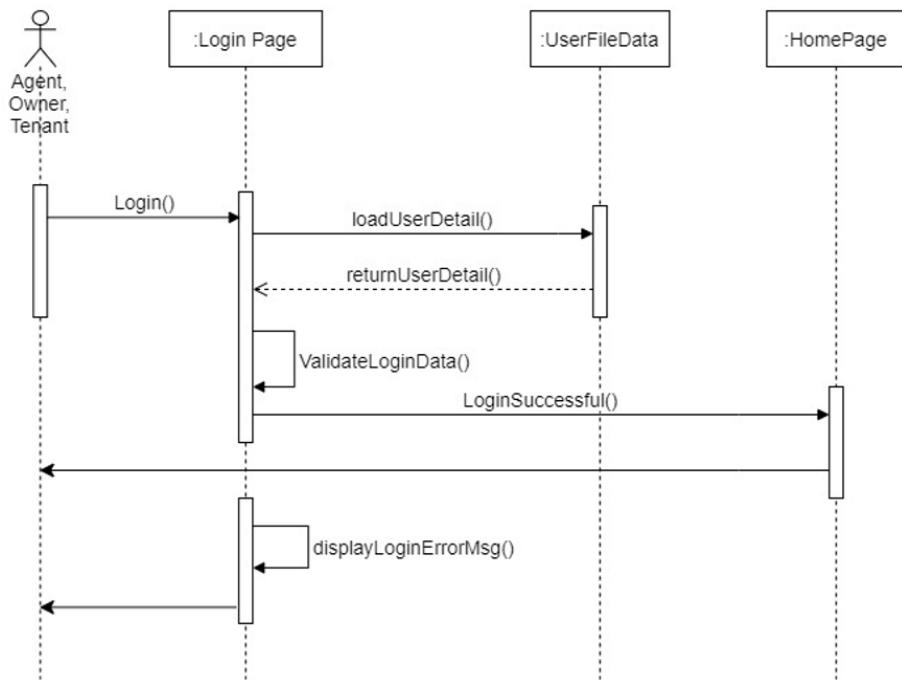


FOR CLEARER IMAGE PLEASE REFER TO
THE FILE NAMED

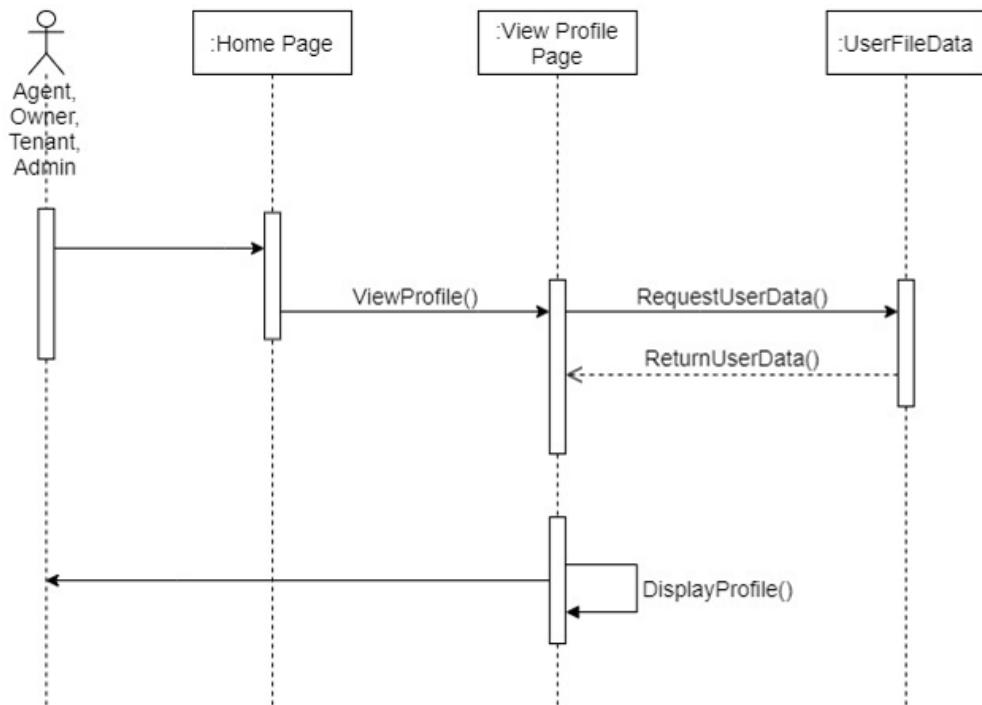
(Group8_UMLClassDiagram.jpg)

Sequence Diagram

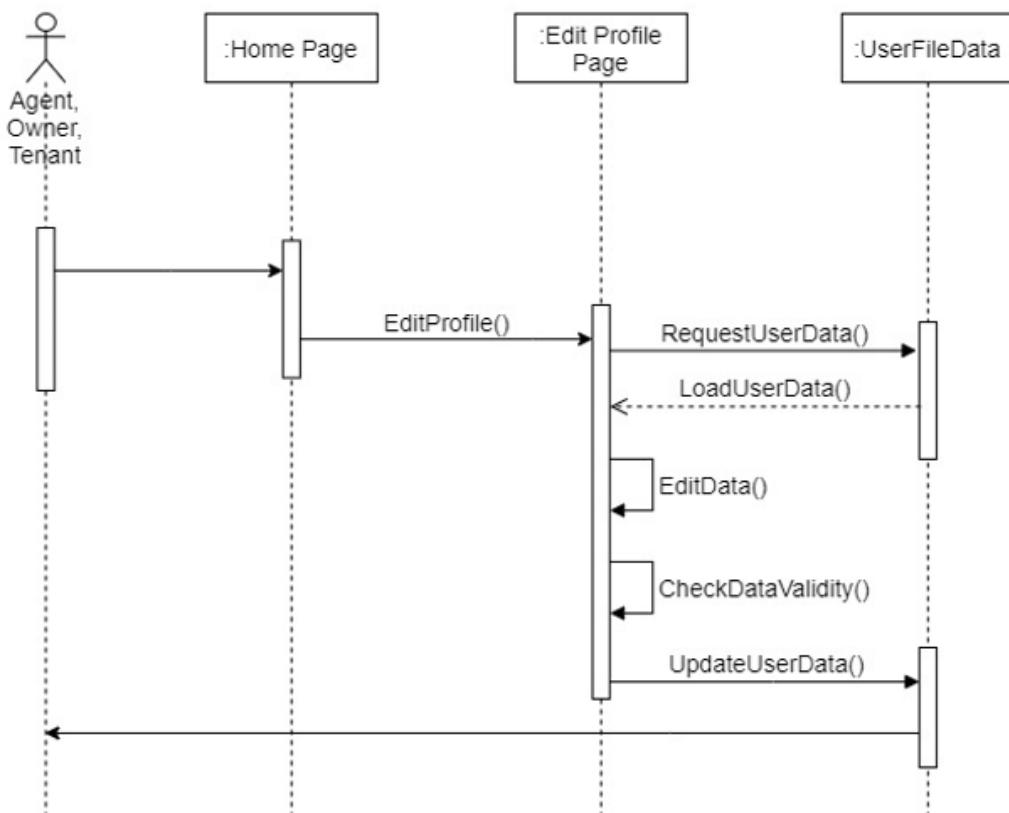
1. Login



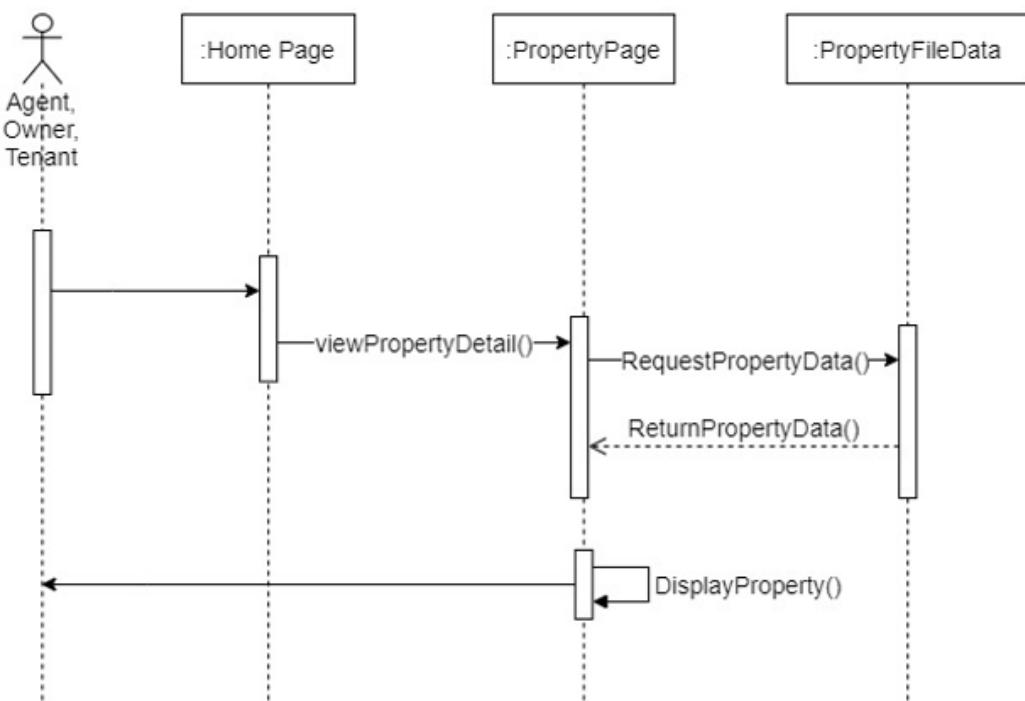
2. View Profile



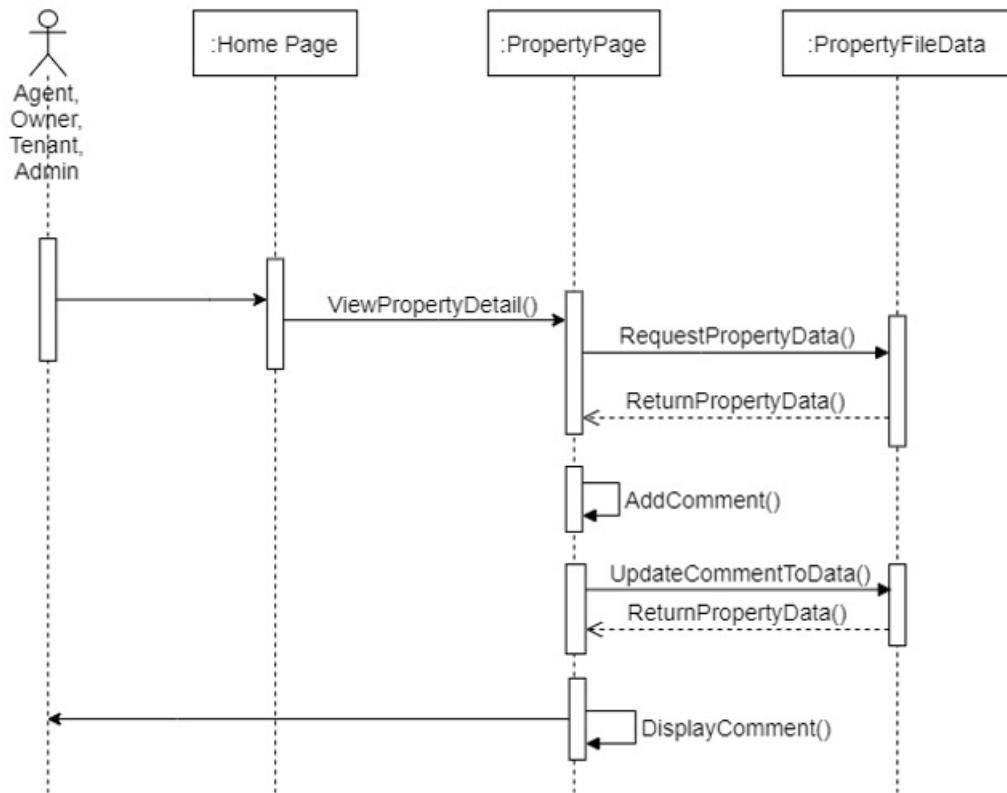
3. Edit Profile



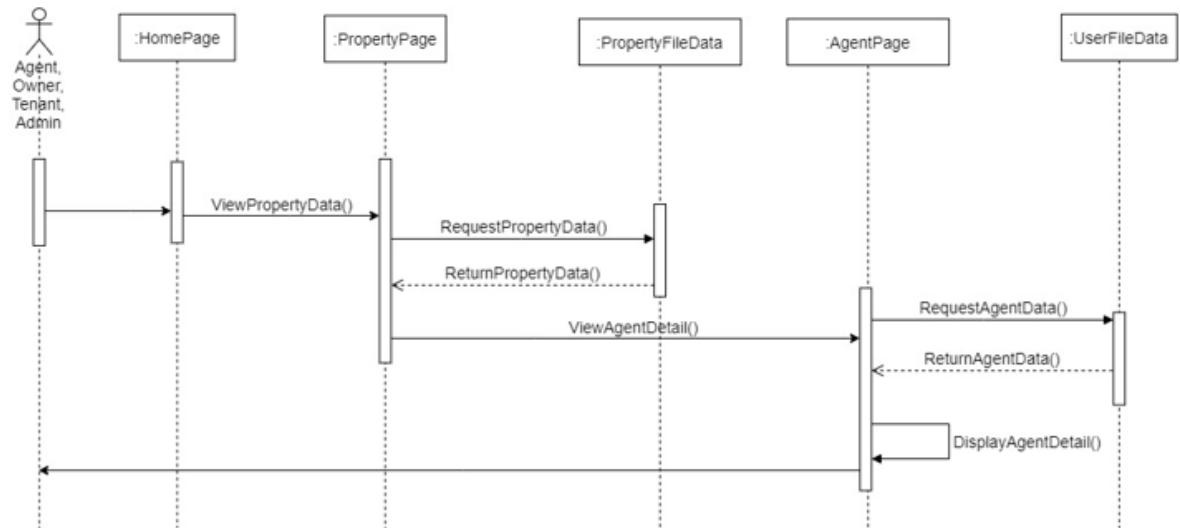
4. View Property Detail



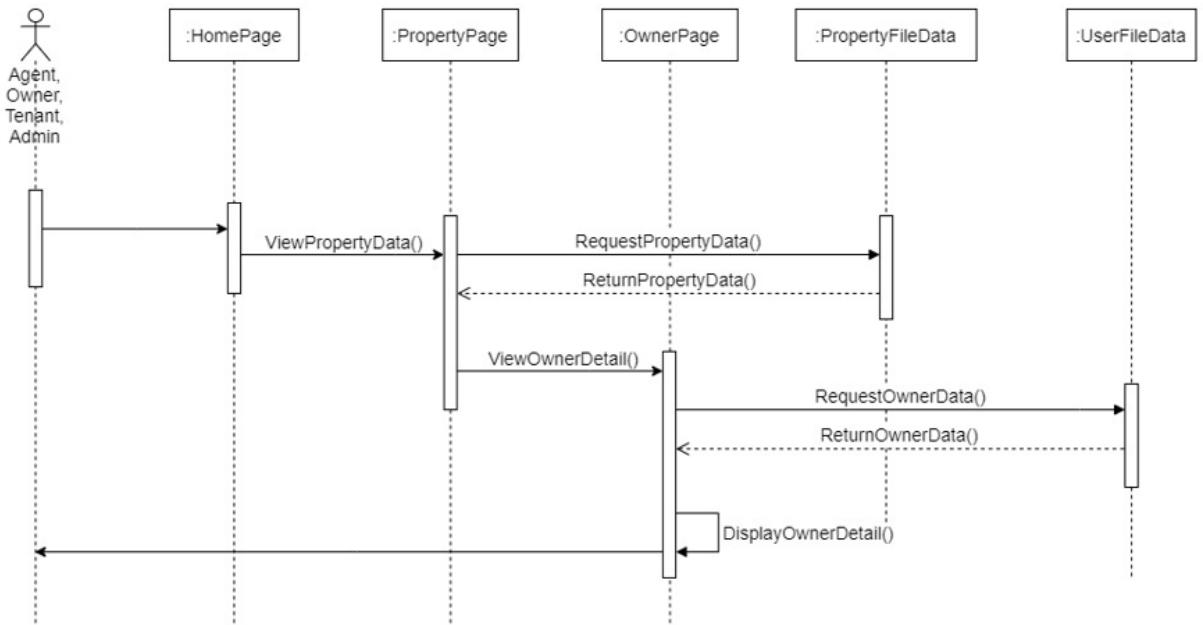
5. Comment Below Property



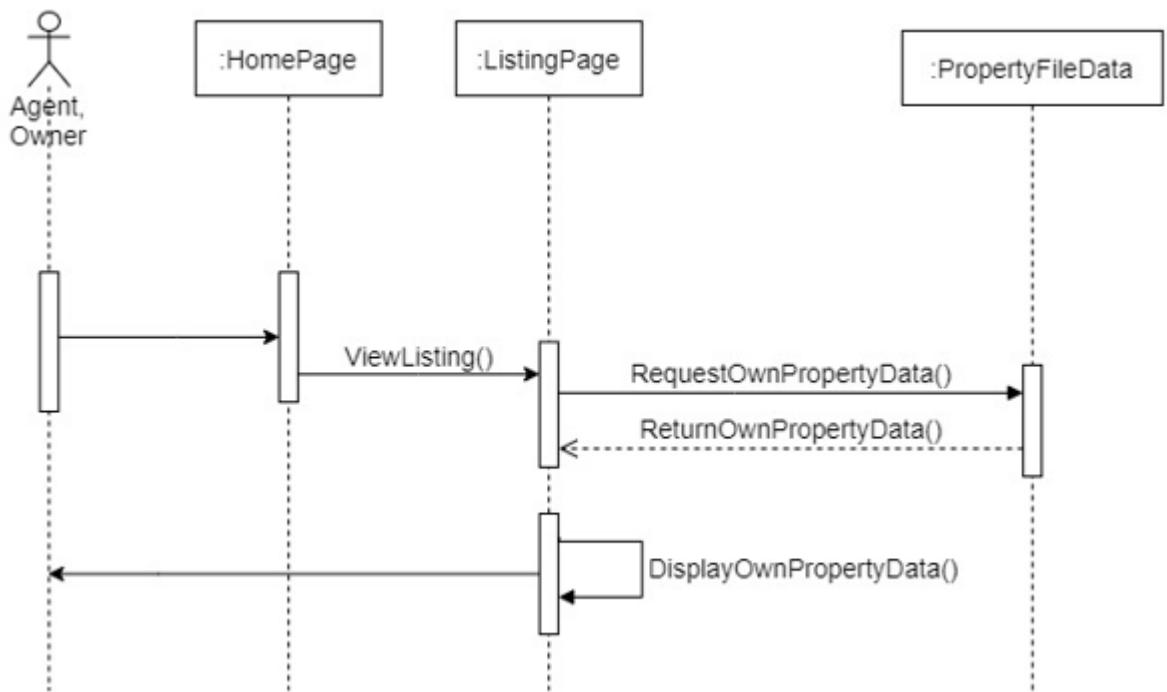
6. View Agent Detail



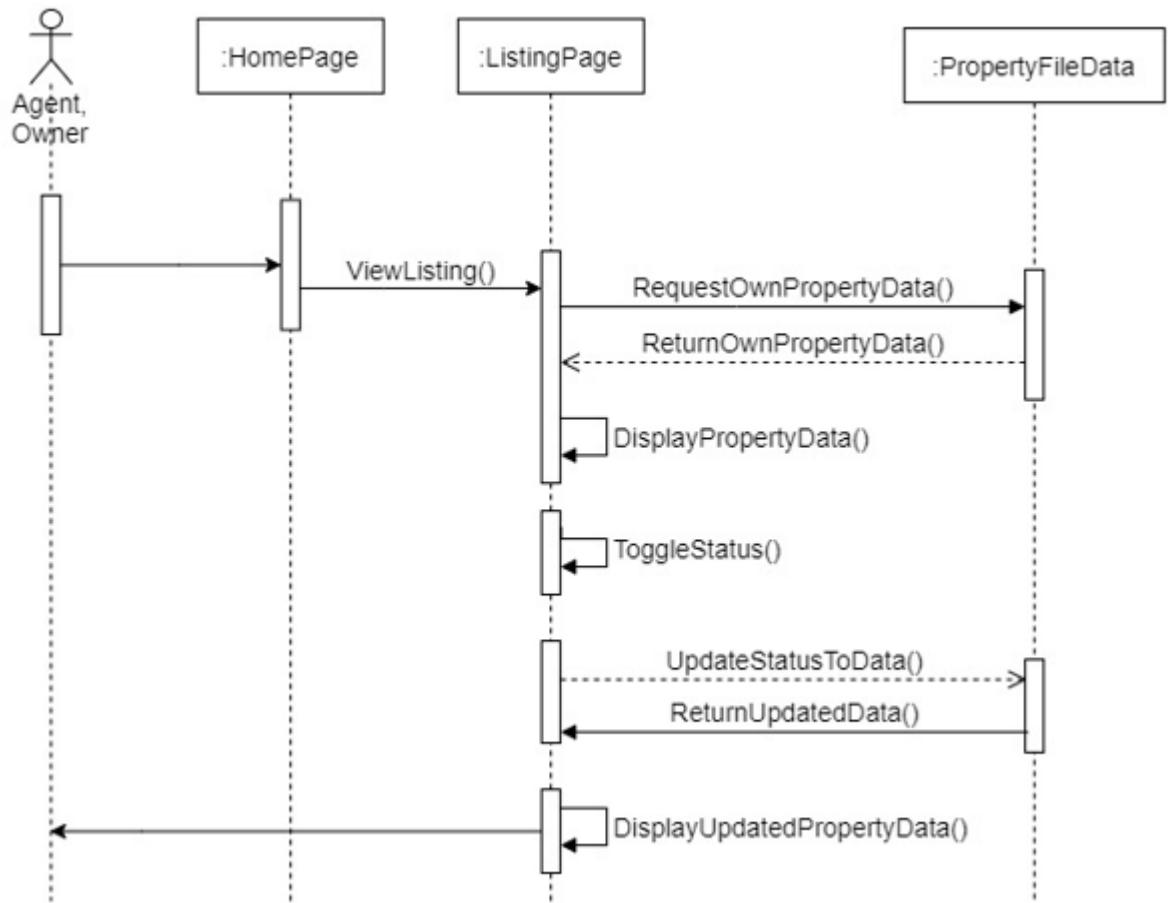
7. View Owner Detail



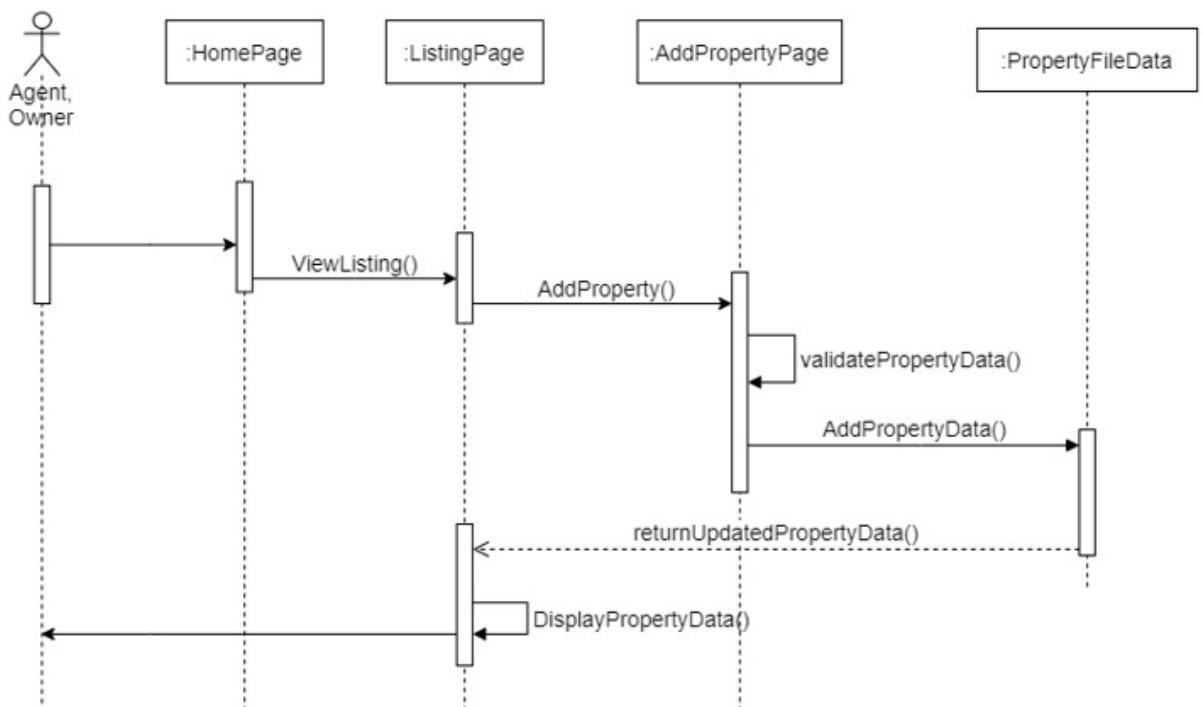
8. View Own Property



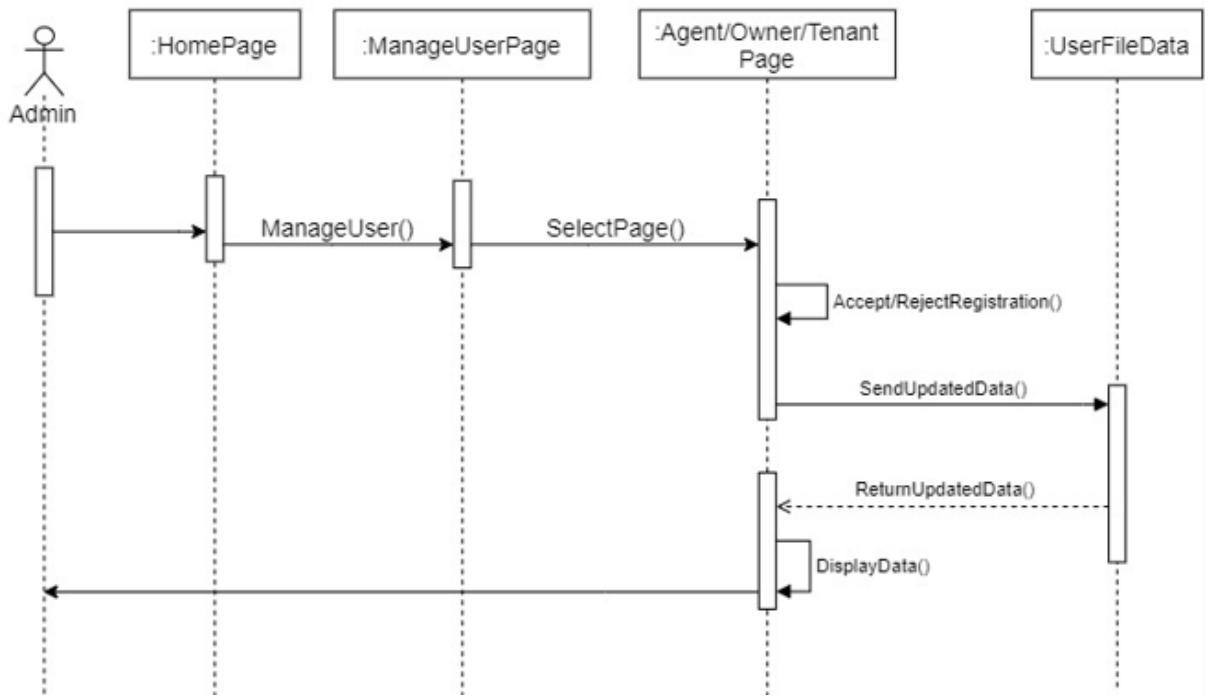
9. Flag Property Status



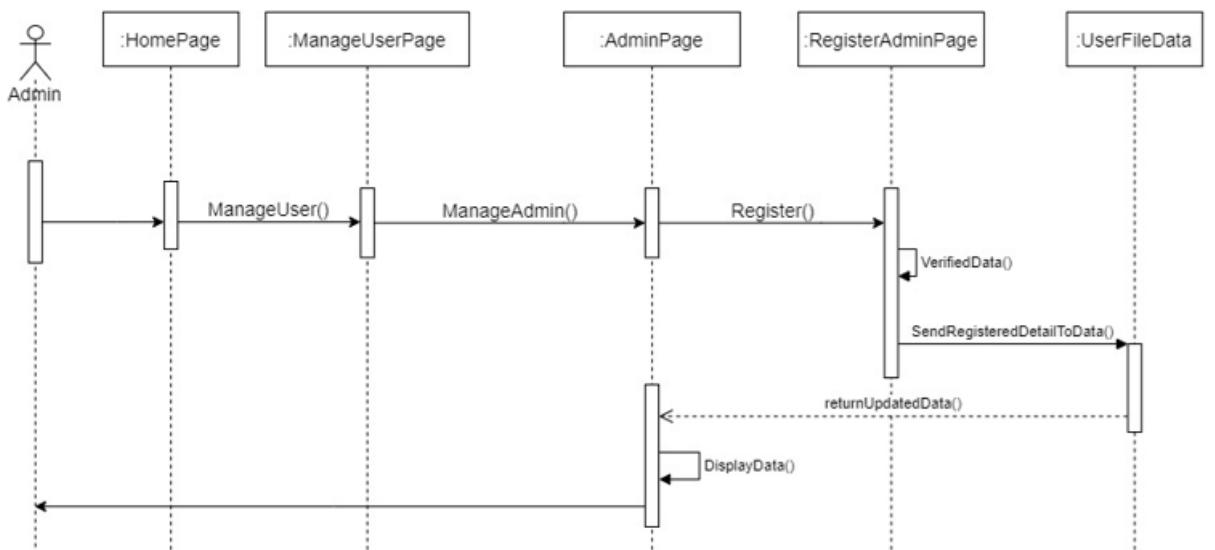
10. Add Property



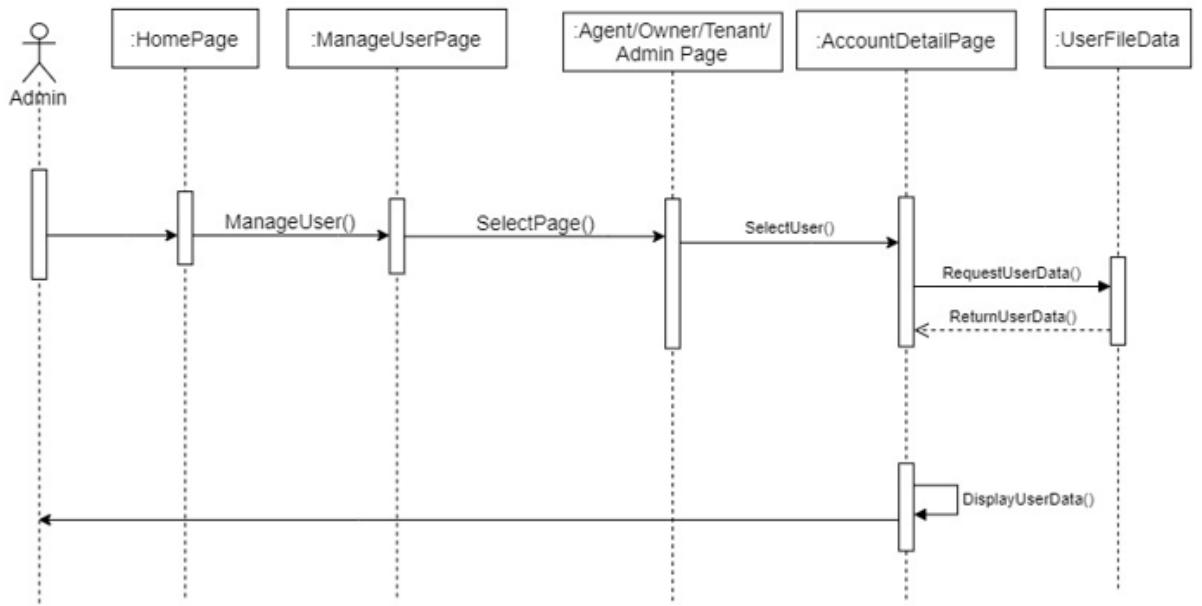
11. Accept/Reject Registration



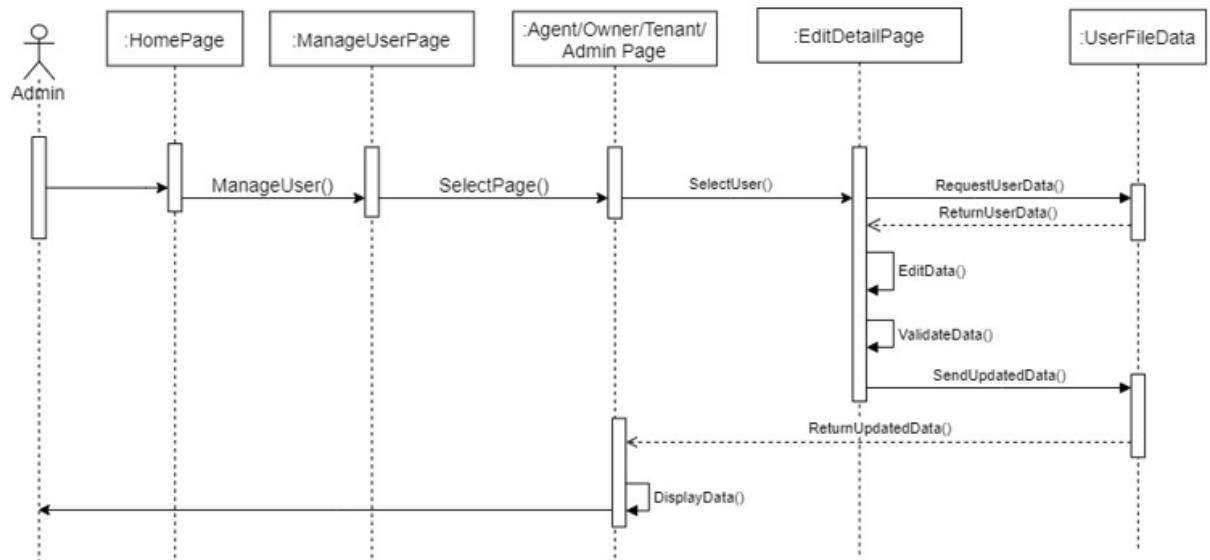
12. Register Admin Account



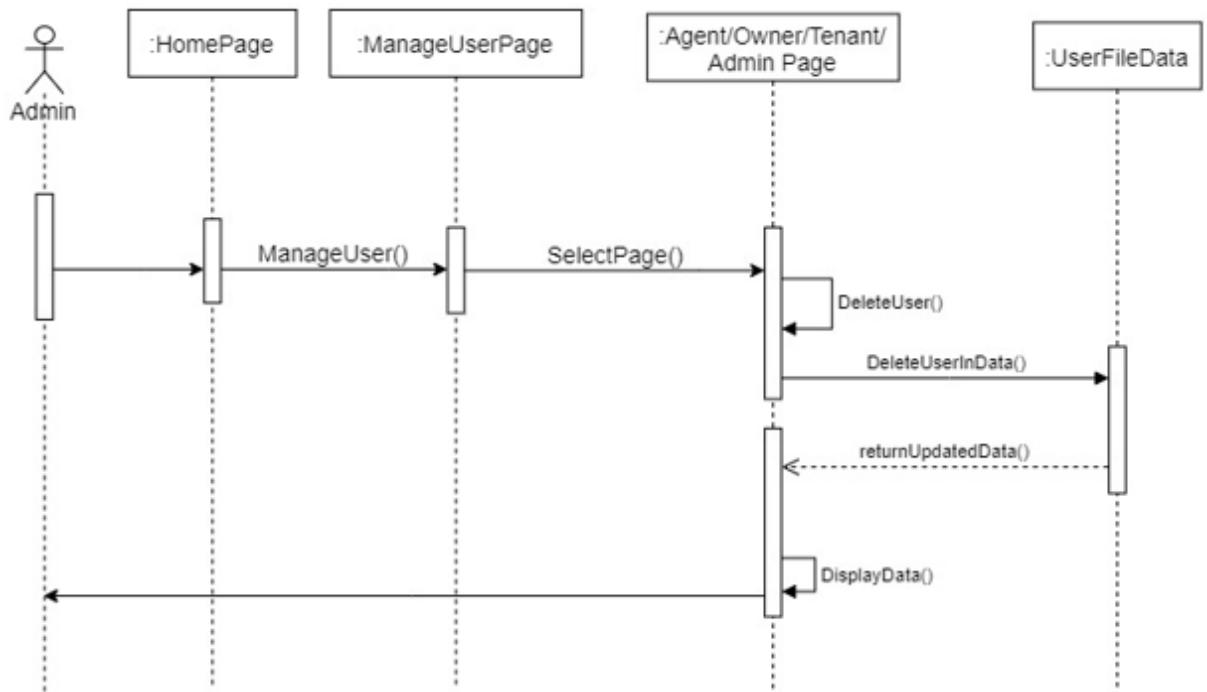
13. View Users Account



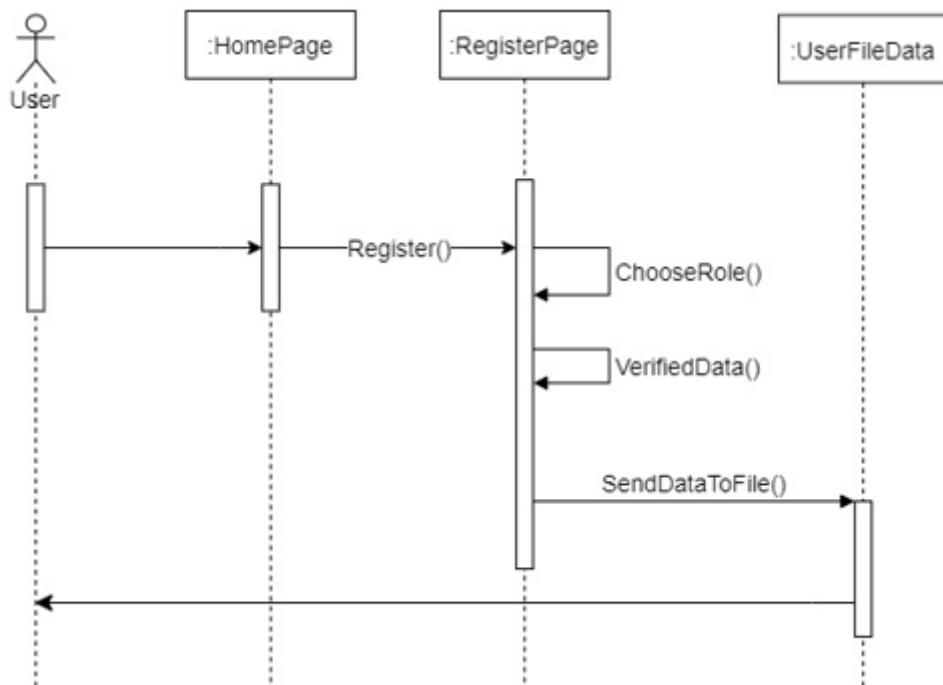
14. Edit Users Account



15. Delete Users Account

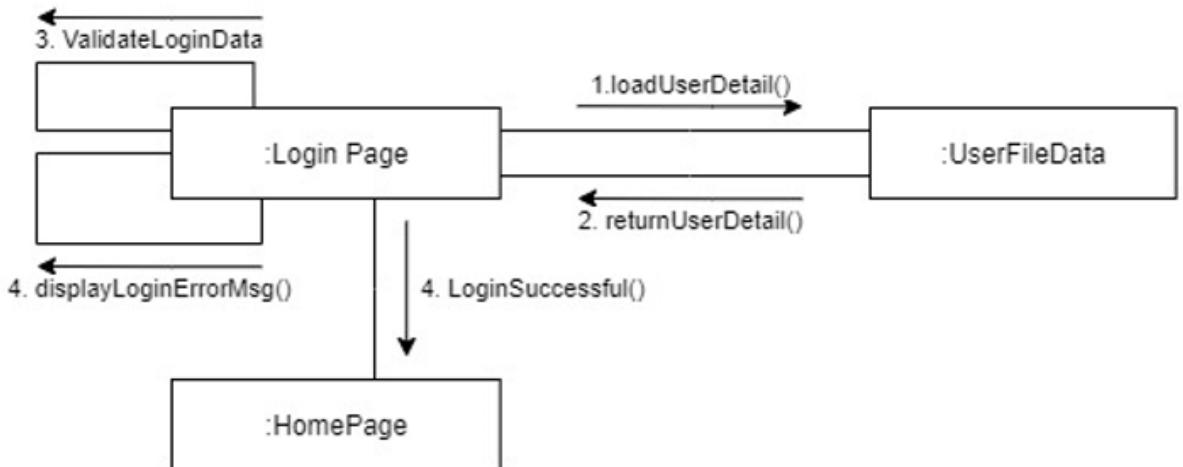


16. Register

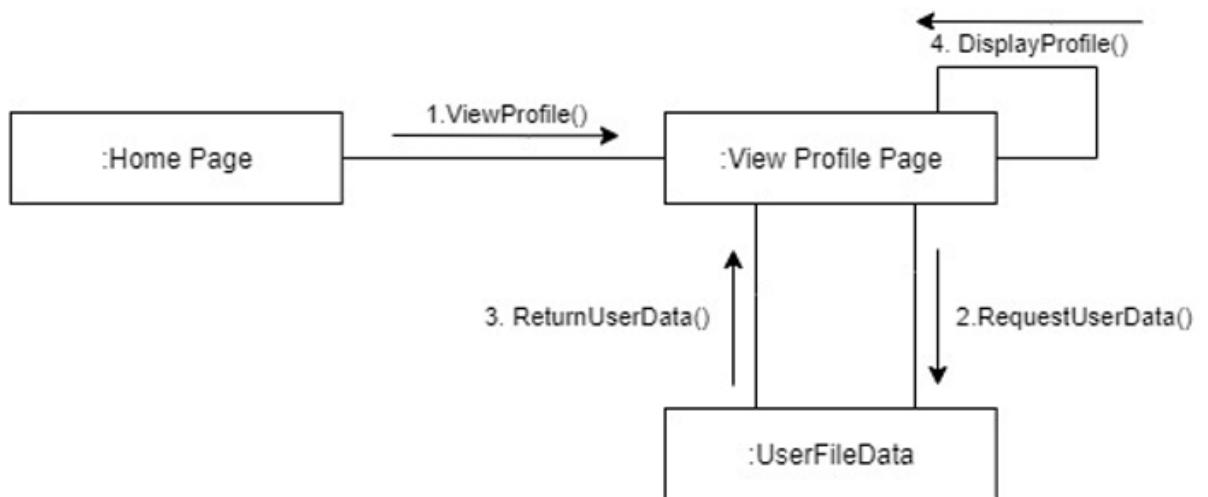


Collaboration Diagram

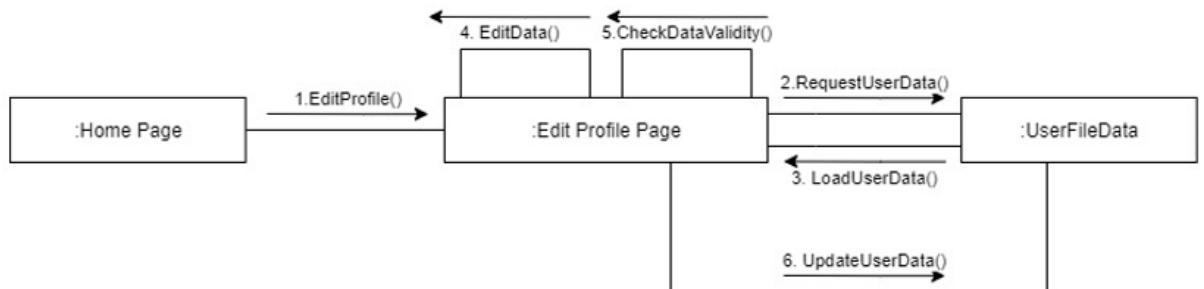
1. Login



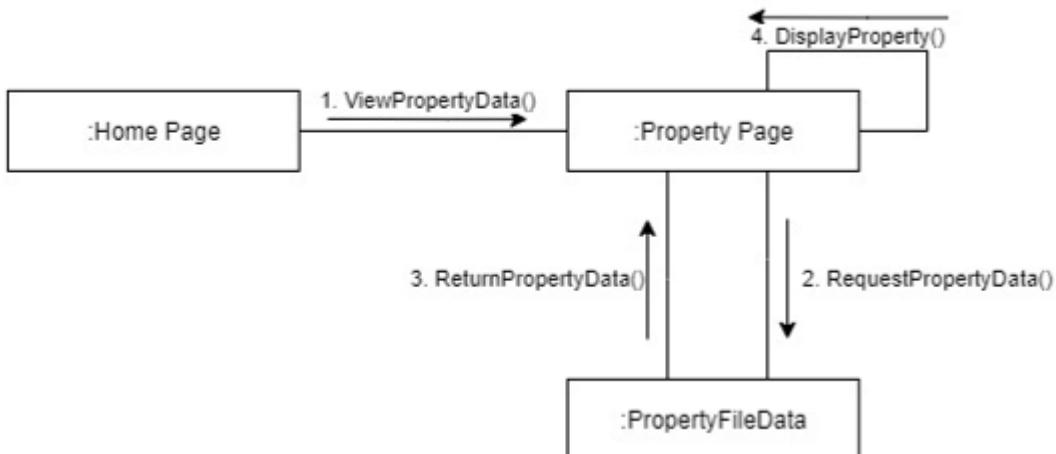
2. View Profile



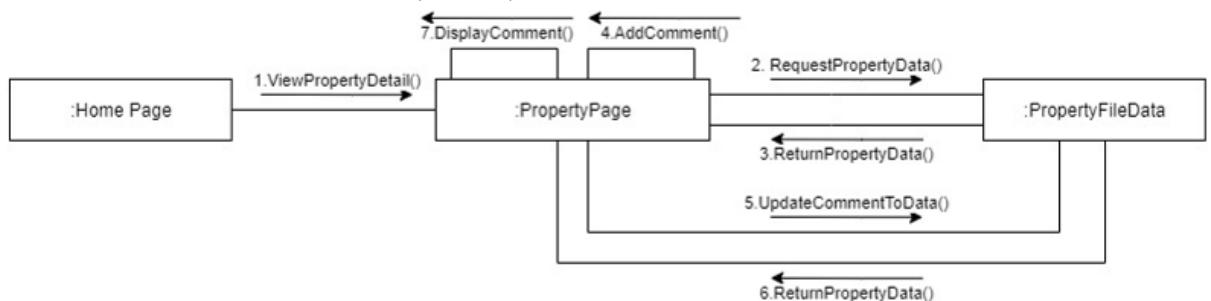
3. Edit Profile



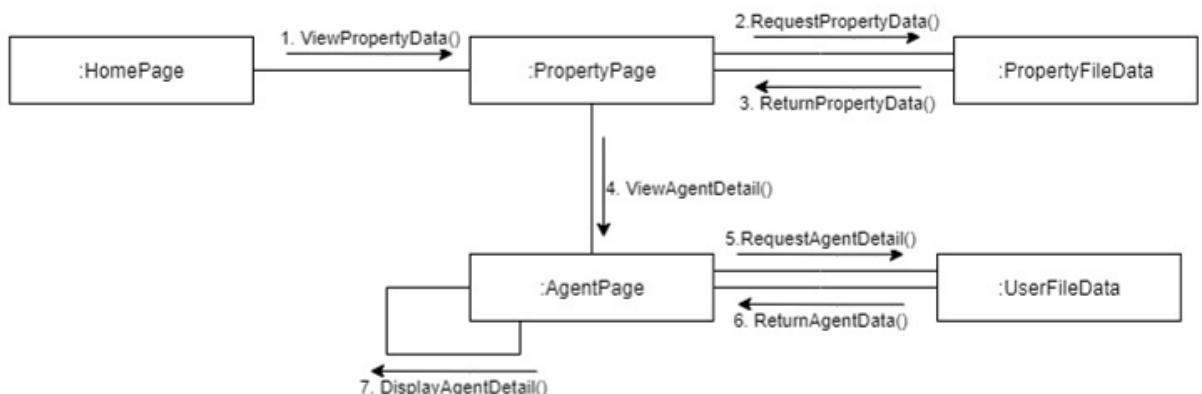
4. View Property Detail



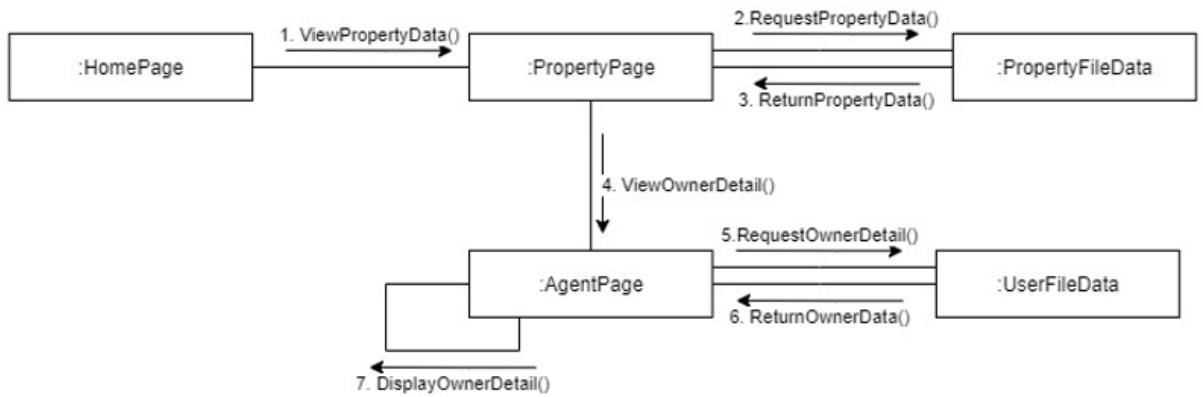
5. Comment Below Property



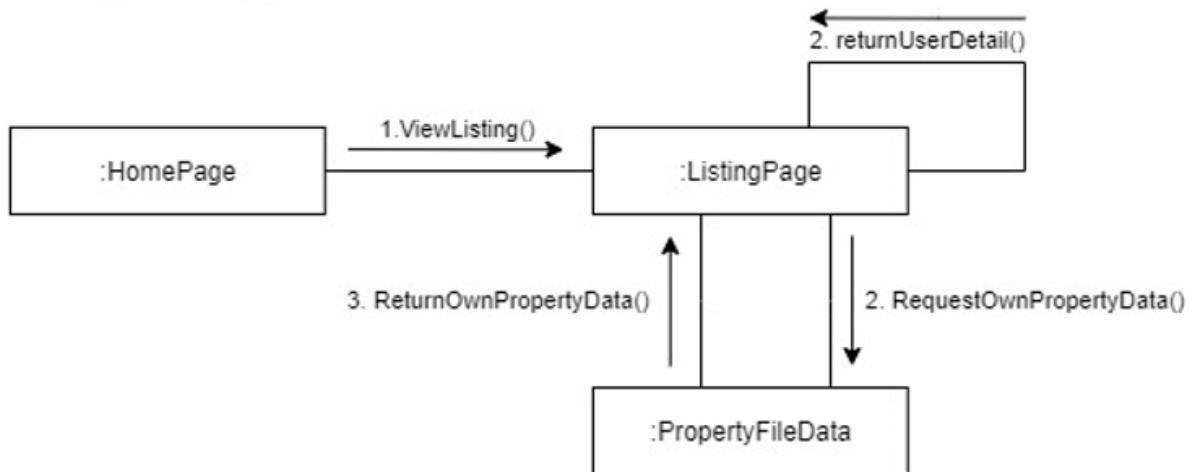
6. View Agent Detail



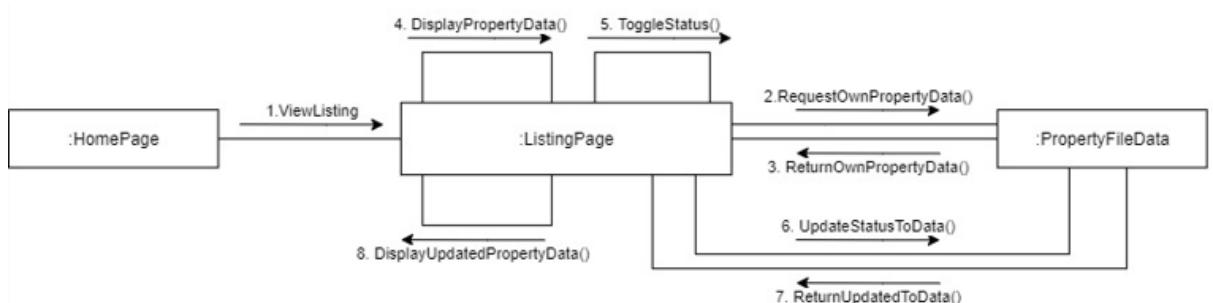
7. View Owner Detail



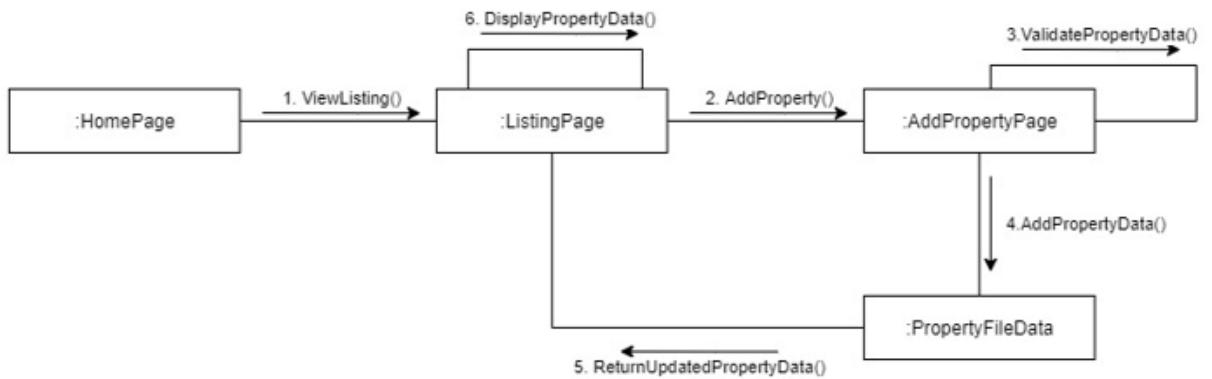
8. View Own Property



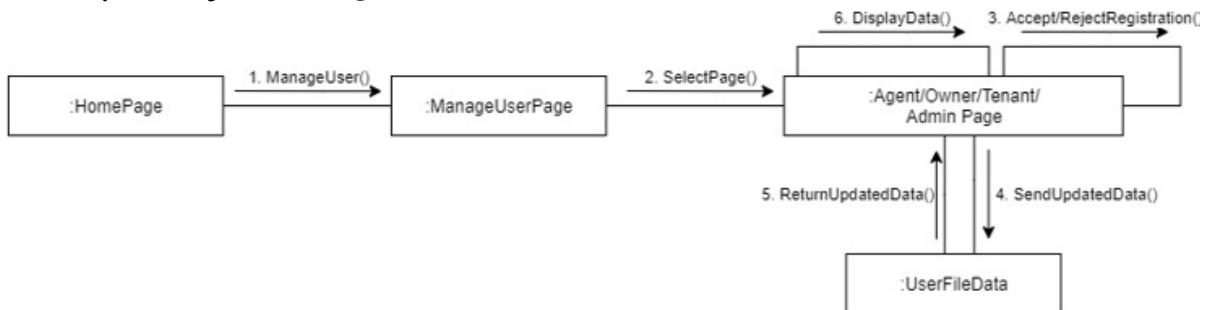
9. Flag Property Status



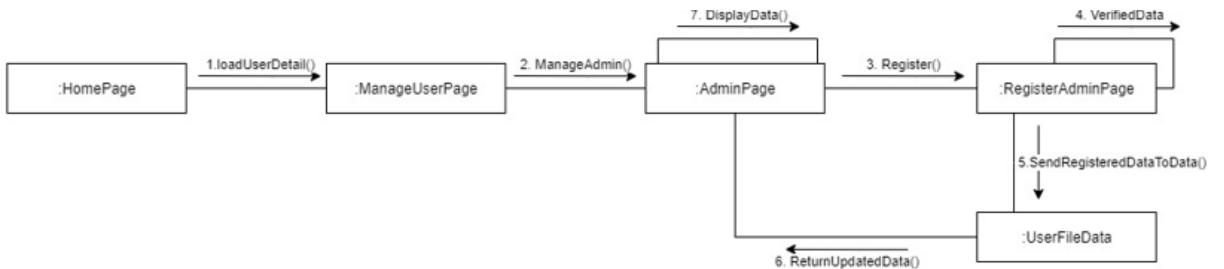
10.Add Property



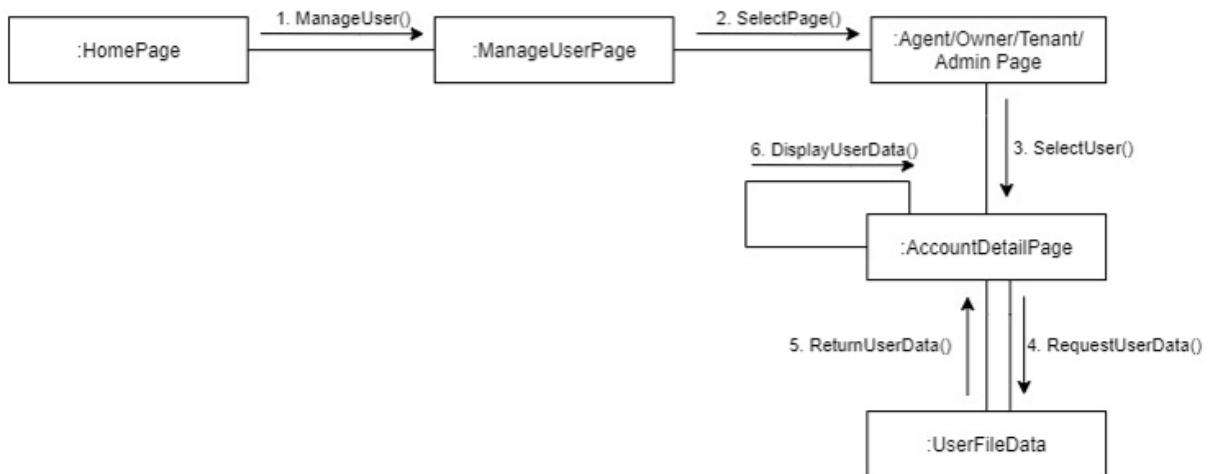
11. Accept/Reject Registration



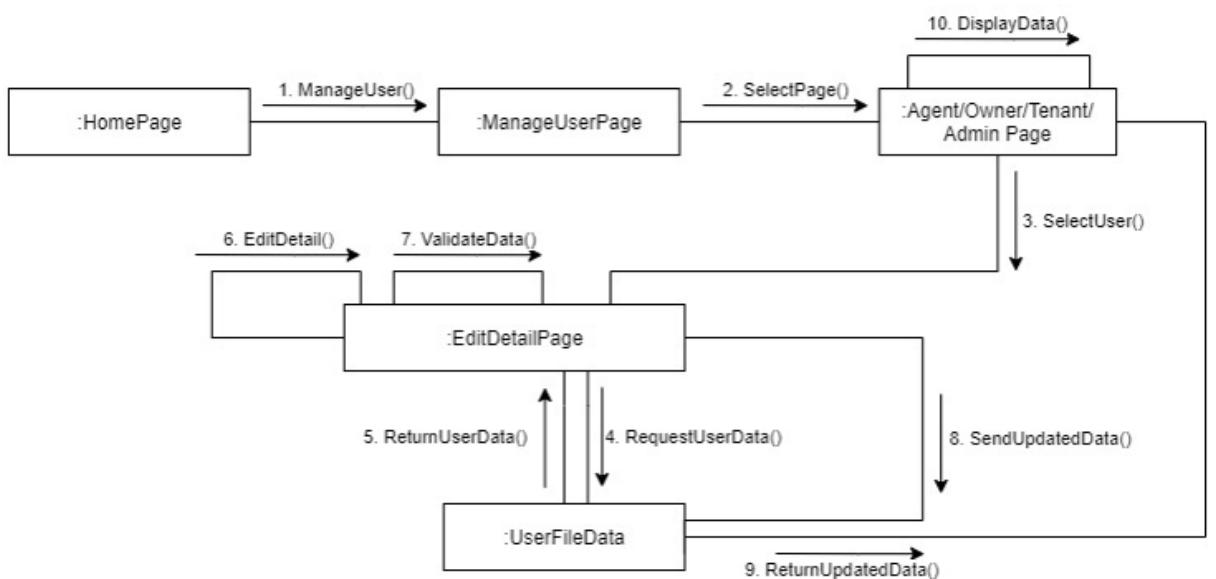
12. Register Admin Account



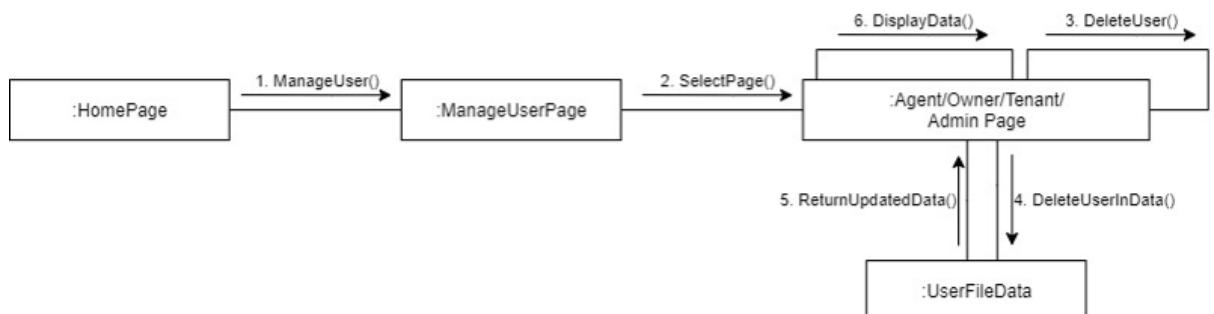
13. View Users Account



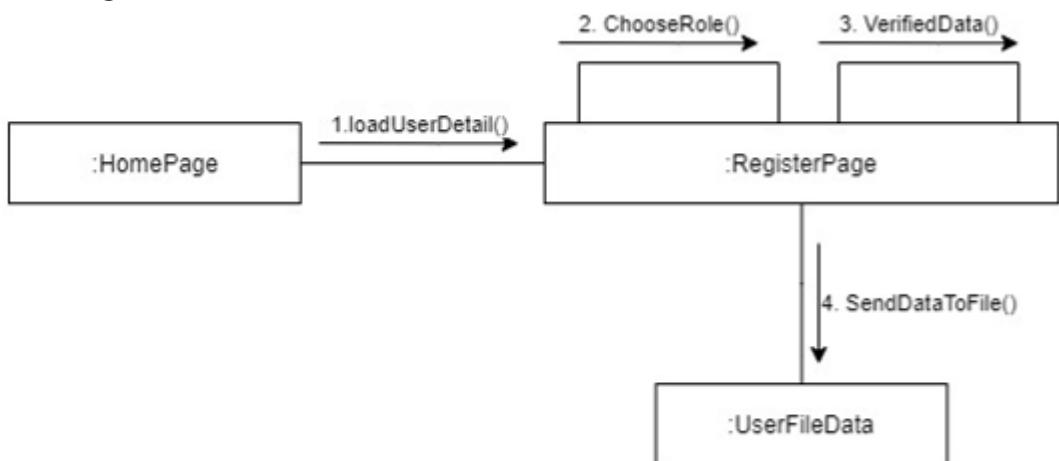
14. Edit Users Account



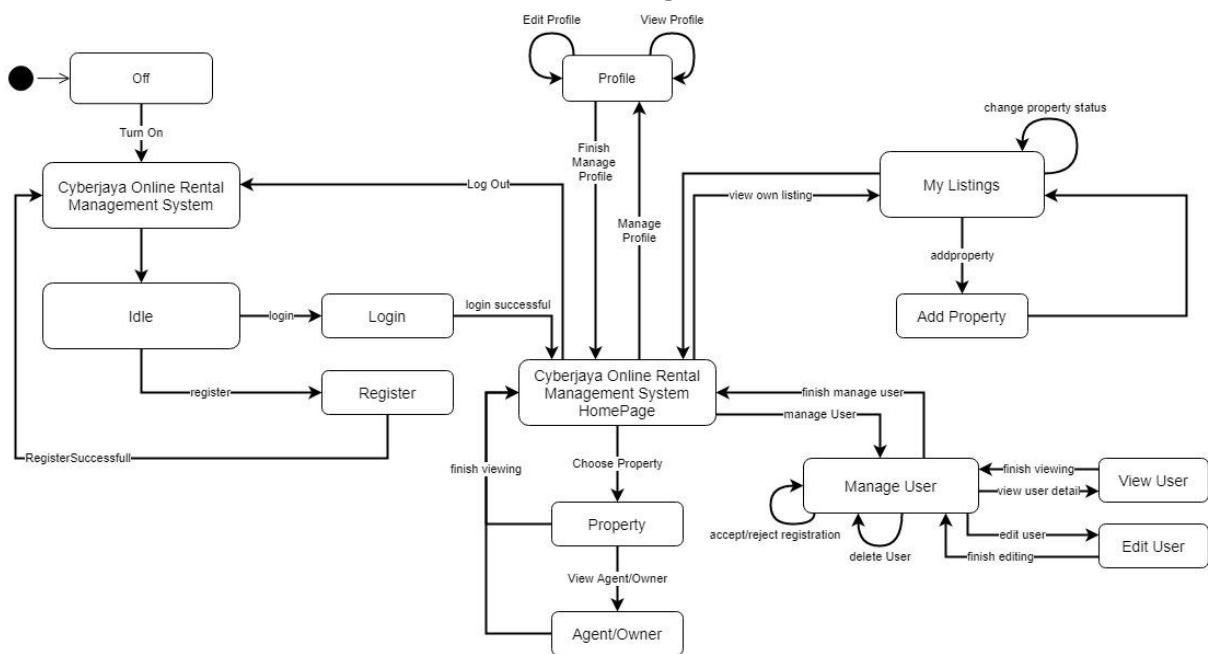
15. Delete Users Account



16. Register



State Diagram



Source Code

1. Login

```
loginButton.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent evt){
        ArrayList<User> userDetailsArrayList = loadUserDetails();
        String strUsername = usernameTxtField.getText();
        String strPasswordString = new String(passwordTxtField.getPassword());
        Boolean invalid = false;
        for(User u : userDetailsArrayList){
            if (u.getUsername().equals(strUsername) && u.getPassword().equals(strPasswordString)){ // check whether the username and password is correct
                if(Boolean.valueOf(u.getStatus())){
                    dispose();
                }
                if (u.getRole().equals("Admin")){
                    Admin admin = loadAdminDetails(u.getUsername());
                    JFrame security = new JFrame("Security Question");
                    Border border = BorderFactory.createLineBorder(Color.BLACK);

                    JPanel securityBackground = new JPanel();
                    securityBackground.setLayout(new BoxLayout(securityBackground, BoxLayout.Y_AXIS));
                    securityBackground.setBackground(new Color(175,238,238));

                    JPanel topPanel = new JPanel();
                    topPanel.setMaximumSize(new Dimension(Short.MAX_VALUE,100));
                    topPanel.setBackground(new Color(175,238,238));

                    JPanel southPanel = new JPanel();
                    southPanel.setMaximumSize(new Dimension(Short.MAX_VALUE, 100));
                }
            }
        }
    }
});
```

2. Load Property

```
public void loadPropertyData(){
    propertyDetailsArrayList.clear();
    File myFile = new File("propertyDetails.csv");
    try{
        FileReader fileReader = new FileReader(myFile);
        BufferedReader br = new BufferedReader(fileReader);
        while(br.ready()){
            String[] details = br.readLine().split(",");
            propertyDetailsArrayList.add(new Property(details[0],details[1],details[2],details[3],details[4],details[5],
                details[6],details[7],details[8],details[9],details[10],details[11],details[12],
                details[13],details[14],details[15],details[16],details[17],details[18],
                details[19],details[20],details[21],details[22],details[23],details[24],details[25],details[26],details[27])); // add property data into arraylist
        }
        br.close();
    }catch(Exception e){
        System.out.println(e);
    }
}
```

3. Add Property

```
if(descriptionTextArea.getText().equals("") || propertyImagesArrayList.isEmpty())
    JOptionPane.showMessageDialog(new JFrame(),"INPUT CANNOT BE BLANK!","Input Error", JOptionPane.ERROR_MESSAGE);
else{
    // CHECK THE PREVIOUS PROPERTY'S ID
    if(!propertyDetailsArrayList.isEmpty()){
        propertyID = Integer.parseInt(propertyDetailsArrayList.get(propertyDetailsArrayList.size()-1).getPropertyID()) + 1;
    }

    // SAVE DESCRIPTION INTO TXT FILE
    String descriptionFileName = Integer.toString(propertyID)+"Description.txt";
    listingDetailsArrayList.add(descriptionFileName);
    try{
        File descriptionFile = new File(descriptionFileName);
        descriptionFile.createNewFile();
        FileWriter descriptionWriter = new FileWriter(descriptionFile);
        descriptionWriter.write(descriptionTextArea.getText());
        descriptionWriter.close();
    }catch(IOException ex){
        ex.printStackTrace();
    }

    //GET THE OLD FILE EXTENSION AND NEW FILE EXTENSION
    listingDetails = role + "_" + username + "," + propertyID + ",true,";
    for (String s : listingDetailsArrayList){
        listingDetails = listingDetails + s + ",";
    }
    try{
        // RECEIVE THE IMAGE AND SAVE INTO PROPERTYDETAILS.CSV
        FileWriter propertyFileWriter = new FileWriter("propertyDetails.csv", true);
        for(File f : propertyImagesArrayList){
            for(String extension: extensionArray){
                if (f.getName().endsWith(extension)){
                    BufferedImage propertyImages = ImageIO.read(new File(f.getAbsolutePath()));
                    ImageIO.write(propertyImages, extension, new File(Integer.toString(propertyID) + "(" + Integer.toString(count) +")."+extension));
                    propertyFileName = propertyFileName + Integer.toString(propertyID) + "(" + Integer.toString(count) +")."+ extension + "|";
                    count++;
                }
            }
            listingDetails = listingDetails + propertyFileName + "Comments|";
            propertyFileWriter.append(listingDetails + "\n");
            JOptionPane.showMessageDialog(new JFrame(), "Your Property Is Listed Successfully!","Property Listing", JOptionPane.INFORMATION_MESSAGE);
            propertyFileWriter.close();
        }
    }catch(IOException exp){
        exp.printStackTrace();
    }
    listingPanel.removeAll();
    listingPanel.setAutoscrolls(true);
    scrollPane.setVerticalScrollBarPolicy(JScrollPane.VERTICAL_SCROLLBAR_ALWAYS);
    scrollPane.getVerticalScrollBar().setUnitIncrement(16);
    new YourListingPanel(frame, index, facilitiesCheck, listingPanel, scrollPane, username, role);
}
```

4. Reject/Revoke/Delete Registration

```
    JButton accept = new JButton("Accept");
    accept.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent evt){
            statusUpdateUserInFile(current.getUsername());
            agentListing(user);
            user.setVisible(true);
        }
    });
    JButton reject = new JButton("Reject");
    reject.addActionListener(new ActionListener(){
        public void actionPerformed(ActionEvent evt){
            deleteUserInFile(current.getUsername());
            agentListing(user);
            user.setVisible(true);
        }
    });
}

public void deleteUserInFile(String username){
    File myFile = new File("userDetails.csv");
    ArrayList<String> detailsArrayList = new ArrayList<>();
    try{
        FileWriter myFileWriter = new FileWriter(myFile, true);
        FileReader fileReader = new FileReader(myFile);
        BufferedReader br = new BufferedReader(fileReader);
        while(br.ready()){
            String[] detailsArray = br.readLine().split(",");
            if (detailsArray[2].equals(username)){
                detailsArray[1] = "true";
                String details = String.join(", ",detailsArray);
                detailsArrayList.add(details);
            }
            if(!detailsArray[2].equals(username)){
                String details = String.join(", ",detailsArray);
                detailsArrayList.add(details);
            }
        }
        FileWriter tempFileWriter = new FileWriter(myFile, false);
        br.close();
        for(String s : detailsArrayList){
            tempFileWriter.append(s+"\n");
        }
        myFileWriter.close();
        tempFileWriter.close();
    }catch(Exception e){
        e.printStackTrace();
    }
}

public void statusUpdateUserInFile(String username){
    File myFile = new File("userDetails.csv");
    ArrayList<String> detailsArrayList = new ArrayList<>();
    try{
        FileWriter myFileWriter = new FileWriter(myFile, true);
        FileReader fileReader = new FileReader(myFile);
        BufferedReader br = new BufferedReader(fileReader);
        while(br.ready()){
            String[] detailsArray = br.readLine().split(",");
            if (detailsArray[2].equals(username)){
                detailsArrayList.add(detailsArray);
            }
            if(!detailsArray[2].equals(username)){
                String details = String.join(", ",detailsArray);
                detailsArrayList.add(details);
            }
        }
        FileWriter tempFileWriter = new FileWriter(myFile, false);
        br.close();
        for(String s : detailsArrayList){
            tempFileWriter.append(s+"\n");
        }
        myFileWriter.close();
        tempFileWriter.close();
    }catch(Exception e){
        e.printStackTrace();
    }
}
```

5. Edit Profile

```
int counter = 0;
JTextField day = new JTextField(dobArray[0]); day.setEditable(false); day.setBackground(Color.white); day.setForeground(Color.LIGHT_GRAY);
JTextField month = new JTextField(dobArray[1]); month.setEditable(false); month.setBackground(Color.white); month.setForeground(Color.LIGHT_GRAY);
JTextField year = new JTextField(dobArray[2]); year.setEditable(false); year.setBackground(Color.white); year.setForeground(Color.LIGHT_GRAY);
for(int i = 0; i < roleArray.length; i++){
    centerPanel.add(Box.createRigidArea(new Dimension(300,50)));
    centerPanel.add(new JLabel(roleArray[i]));
    if (i == 1){ //add jpasswordfield
        centerPanel.add(userPassword);
    }
    else if(i == 2){ //add jfilechooser / browser image file function
        JButton profilePictureButton = new JButton("Browse");
        profilePictureButton.addActionListener(new ProfilePictureButtonActionListener(profilePictureFileArrayList,profilePictureButton));
        centerPanel.add(profilePictureButton);
    }
    else if(i == 4){ //DOB
        JPanel dobPanel = new JPanel();
        dobPanel.setLayout(new BoxLayout(dobPanel, BoxLayout.X_AXIS));
        DOB.add(day);
        DOB.add(month);
        DOB.add(year);
        dobPanel.add(DOB.get(0));
        dobPanel.add(new JLabel(" - "));
        dobPanel.add(DOB.get(1));
        dobPanel.add(new JLabel(" - "));
        dobPanel.add(DOB.get(2));
        centerPanel.add(dobPanel);
    }
    else if(userDetailsArray[0].equals("Admin") && i == 6){
        centerPanel.add(comboBox);
    }
    else{
        txtFieldArrayList.add(new JTextField(userDetailsArray[i+2]));
        centerPanel.add(txtFieldArrayList.get(counter));
        counter++;
    }
}
centerPanel.add(Box.createRigidArea(new Dimension(300,20)));
```

6. List According To Property Status

```
for(int i = propertyDetailsArrayList.size()-1 ; i >= 0 ; i--){
    if(activity.equals("Active")){
        if(Boolean.valueOf(propertyDetailsArrayList.get(i).getPropertyStatus())){}// remove inACTIVE
        else{ propertyDetailsArrayList.remove(i); }
    }
    else if(activity.equals("Inactive")){
        if(Boolean.valueOf(propertyDetailsArrayList.get(i).getPropertyStatus())){}// remove ACTIVE
        propertyDetailsArrayList.remove(i);
    }
}
```

7. List According To Property Type

```
if(propertyType.equals("Any")){} //Property Type
else if (!currentProperty.getPropertyType().equals(propertyType))
    filter = false;
```

8. List According To Project/ Condominium/ Taman

```
if(townDev.equals("Any")){} //Dev
else if(!currentProperty.getTownshipDeveloper().equals(townDev))
    filter = false;
```

9. List According To Facilities

```
//facilities
String[] faci = currentProperty.getPropertyFacilities().split("\\\\|");
for(int j = 0 ; j < facilitiesCheckBox.size(); j++){
    if(facilitiesCheckBox.get(j).isSelected()){
        for(int k = 0 ;k < faci.length; k++){
            if(facilitiesCheckBox.get(j).getText().equals(faci[k])){ filter = true; break;}
            else {filter = false;}
        }
    }
    if(!filter)
        break;
}
```

10. List According To Rental Rate

```
if(rentalRate.equals("Any")){} //Rental Rate
else if (rentalRate.equals("More than 5")){
    if(!(Float.valueOf(currentProperty.getRentalRate()) >= 5))
        filter = false;
}
```

11. Sort According To Rental Price.

```
if(sortBy.equals("Sort By Price High To Low")){
    int n = temp.size();
    for (int i = 0; i < n-1; i++){
        for (int j = 0; j < n-i-1; j++){
            if (Integer.valueOf(temp.get(j).getRentalPrice()) > Integer.valueOf(temp.get(j+1).getRentalPrice()))
            {
                Property temporary = temp.get(j);
                temp.set(j, temp.get(j+1));
                temp.set(j+1, temporary);
            }
        }
    }
} else if(sortBy.equals("Sort By Price Low To High")){
    int n = temp.size();
    for (int i = 0; i < n-1; i++){
        for (int j = 0; j < n-i-1; j++){
            if (Integer.valueOf(temp.get(j).getRentalPrice()) < Integer.valueOf(temp.get(j+1).getRentalPrice()))
            {
                Property temporary = temp.get(j);
                temp.set(j, temp.get(j+1));
                temp.set(j+1, temporary);
            }
        }
    }
} else if(sortBy.equals("Sort By Rental Rate High To Low")){
    int n = temp.size();
    for (int i = 0; i < n-1; i++){
        for (int j = 0; j < n-i-1; j++){
            if (Float.valueOf(temp.get(j).getRentalRate()) > Float.valueOf(temp.get(j+1).getRentalRate()))
            {
                Property temporary = temp.get(j);
                temp.set(j, temp.get(j+1));
                temp.set(j+1, temporary);
            }
        }
    }
} else if(sortBy.equals("Sort By Rental Rate Low To High")){
    int n = temp.size();
    for (int i = 0; i < n-1; i++){
        for (int j = 0; j < n-i-1; j++){
            if (Float.valueOf(temp.get(j).getRentalRate()) < Float.valueOf(temp.get(j+1).getRentalRate()))
            {
                Property temporary = temp.get(j);
                temp.set(j, temp.get(j+1));
                temp.set(j+1, temporary);
            }
        }
    }
}
```

Sample Interface Screen

1. Homepage

The screenshot shows the homepage of the Cyberjaya Online Rental System. At the top, there is a search bar with dropdown menus for "Any Property Type", "Any Price", "Any Rate", "Any Bedrooms", "Any Bathrooms", "Any Car Parks", "Any Furnishing", and "Sort By". Below the search bar is a section for "Facilities" with checkboxes for various amenities like 24-Hours Security, Parking, Club House, BBQ, Gymnasium, Jogging Track, Playground, Swimming Pool, Jacuzzi, Sauna, Tennis Court, Badminton Court, Basketball Court, and Squash Court. A dropdown menu for "Property Status" is set to "All". The main content area features a large image of wind turbines in a field. To the right, a listing for a "Studio" apartment is shown: "1, Cyberjaya, 1 RM1 per Month", "1 sqft RM 100 psf", and "Apartment >Fully Furnished". Below this, another listing for a "Studio" is partially visible: "1" and "Studio". On the left side, there is a profile picture of a user named "yihong".

2. Login

The screenshot shows the "Log in" page. It has two input fields: "Username:" and "Password:", each with a corresponding text input box. Below these is a blue "Log in" button. At the bottom of the page, there is a link: "Don't have an account yet? [Sign Up now!](#)".

3. Register

The screenshot shows the "Sign Up" page. It features three blue rectangular buttons with white text: "Sign up as Agent", "Sign up as Owner", and "Sign up as Tenant". At the bottom of the page, there is a link: "Already have an account? [Log in now!](#)".

Sign Up Account

Register account	
Username	<input type="text"/>
Password	<input type="password"/>
Profile Picture	<input type="file"/> Browse
Phone Number	
Date of Birth	1 <input type="button"/> 1 <input type="button"/> 2021 <input type="button"/>
Email	<input type="text"/>
Agency	<input type="text"/>
Agency Registration Number	<input type="text"/>
REN Licence Number	<input type="text"/>
Description	<input type="text"/>
Agency Contact Number	<input type="text"/>
<input type="button" value="Submit"/>	

4. Property Detail

Property Details

Cyberjaya Online Rental System



Rent for RM1 / Month
1
1, Cyberjaya, Selangor
1 sqft RM 1.00 psf

This property is Inactive

Studio 1 1

Details of the building	
Property Type : Apartment	Tenure : Freehold
Township / Developer : 1	Built-up Size(sq.ft) : 1sq.ft

5. Agent/Owner Detail

Owner Details

Cyberjaya Online Rental System



owner
contact
10-10-2010

Properties
1 properties by owner

For Rent
1



1
1
Cyberjaya, Selangor
1 sqft RM 1.00 psf

Studio 1 1

6. Manage Own Listing

The screenshot shows the 'Listings' page of the Cyberjaya Online Rental System. At the top, there are search filters for 'Any Property Type', 'Any Price', 'Any Rate', 'Any Bedrooms', 'Any Bathrooms', 'Any Car Parks', 'Any Furnishing', 'Sort By', and 'Any Developer'. Below these are checkboxes for various facilities like 24-Hours Security, Parking, Club House, BBQ, Gymnasium, Jogging Track, Playground, Swimming Pool, Wading Pool, Jacuzzi, Sauna, Tennis Court, Badminton Court, Basketball Court, and Squash Court. A dropdown menu for 'Property Status' is set to 'All'. The main listing card for 'yihong' shows a profile picture of a person, the name 'yihong', and a status indicator 'Active'. The listing details include: 1 bedroom, 1 bathroom, address '1, Cyberjaya, 1', price 'RM1 per Month', and size '1 sqft RM 1.00 psf'. It is categorized as an 'Apartment >Fully Furnished' and is labeled as a 'Studio'.

7. Add Property

The screenshot shows the 'Start Listing Your Property' form. At the top, there are tabs for '1.Listing Details', '2.Location', '3.Property Details', '4.Property Facilities And Features', and '5.Description and Media'. The '1.Listing Details' tab is active. The form fields include: 'Property Type' (dropdown menu showing 'Apartment'), 'Township/Project Name' (text input field), and 'Listing Reference Number' (text input field). A 'Save and Continue' button is located at the bottom right of the form area.

8. View Profile/ Edit Profile/ Log Out

The screenshot shows the user profile menu. At the top, there are tabs for 'Agent' and 'Tenant'. The 'Tenant' tab is active. The main content area has a search bar with filters for 'Any Property Type', 'Any Price', 'Any Rate', 'Any Bedrooms', 'Any Bathrooms', 'Any Car Parks', 'Any Furnishing', 'Sort By', and 'Any Developer'. On the right side, there is a user profile picture and a menu with options: 'View Profile', 'Edit Profile', and 'Log Out'.

9. Manage User

Manage user

Manage User

BACK TO MENU

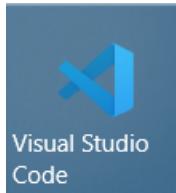
Admin Agent Owner Tenant

ADD ADMIN

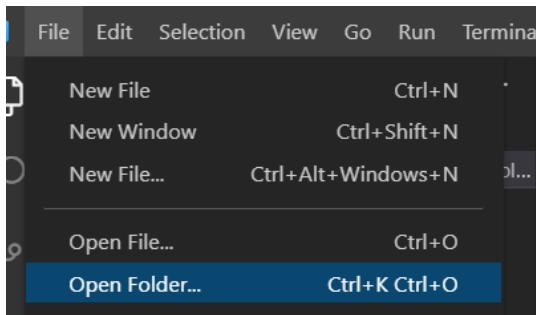
	admin 1223455342 12-5-2001 admin@sm.com	Edit Delete
	case 0182355951 3-8-2001 case@email.com	Edit Delete

User Manual

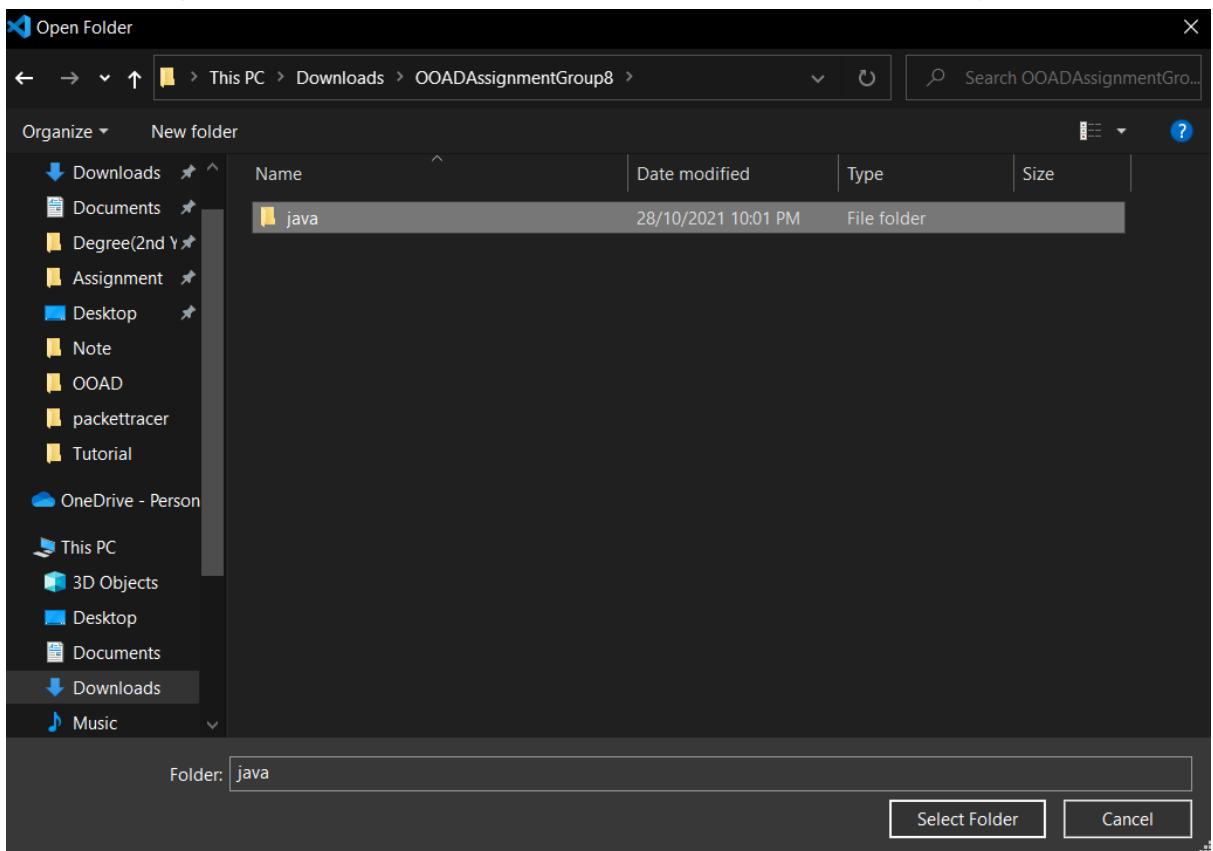
1. Open The Compiler.



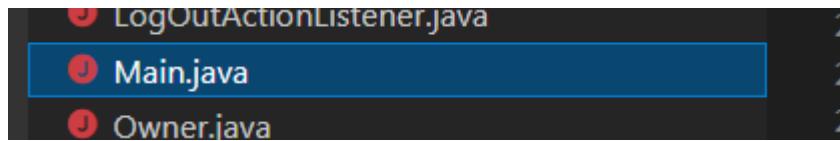
2. Click Open Folder



3. Find the target folder (OOADAssignmentGroup8) and open it, you can see a java named file then click 'Select Folder' to open it.



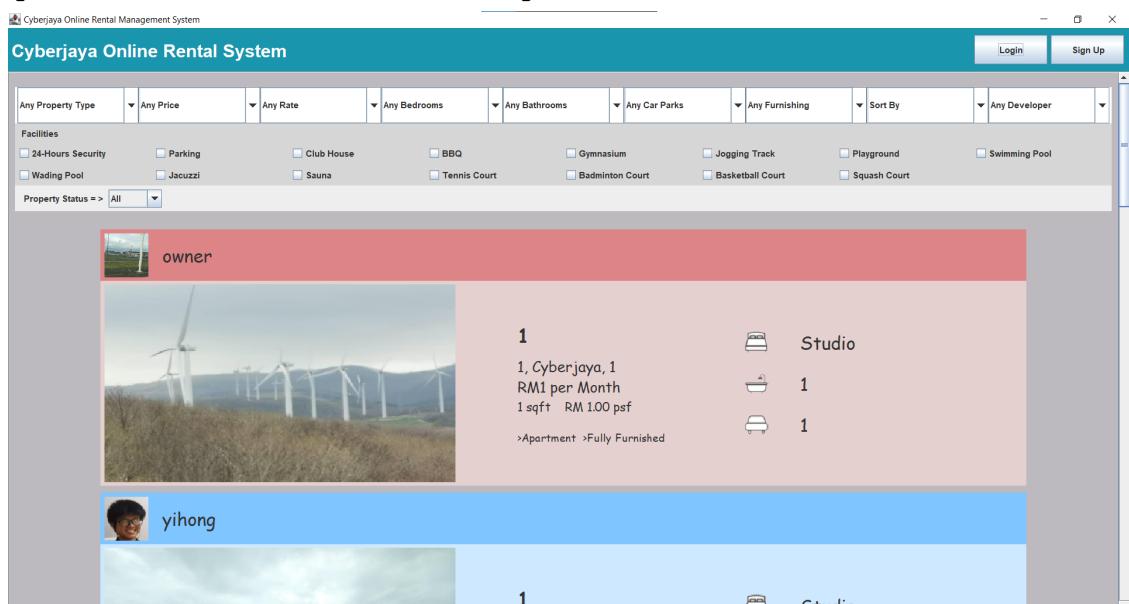
4. Now Find The File Main.java and click it and Run the Program (F5).



5. Now The Program Has Open.

(Filter Function can be used by clicking any of the items in the filter panel)

(Every Property Inside The Program Will Be Shown)
[Red = Inactive ; Blue = Active]



6. Click the Login button to Login and Click The Register Button To Register.



Admin

1. After Login, the functionality will be the same as the HomePage, but one extra function is provided to Admin, which is 'Manage User'. Click the button on the bottom to open Manage User.

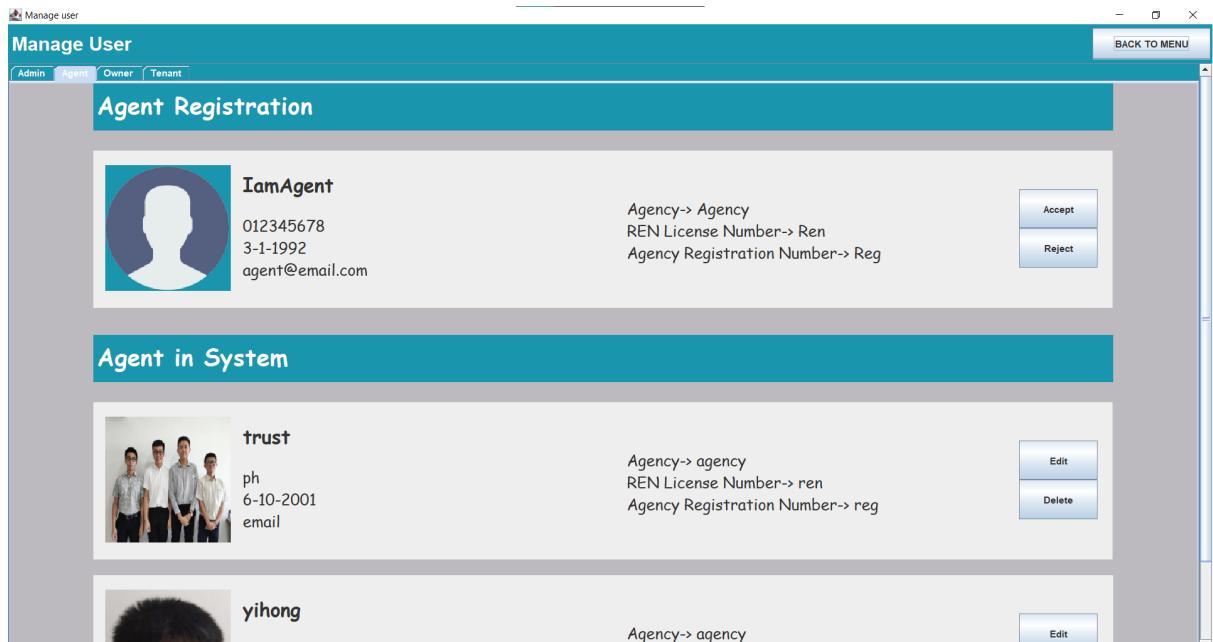
The screenshot shows the homepage of the Cyberjaya Online Rental System. At the top, there is a header bar with the title "Cyberjaya Online Rental System". Below the header is a search bar with various filters: "Any Property Type", "Any Price", "Any Rate", "Any Bedrooms", "Any Bathrooms", "Any Car Parks", "Any Furnishing", "Sort By", and "Any Developer". Underneath the search bar is a section titled "Facilities" with checkboxes for various amenities like 24-Hours Security, Parking, Club House, BBQ, Gymnasium, Jogging Track, Playground, Swimming Pool, Wading Pool, Jacuzzi, Sauna, Tennis Court, Badminton Court, Basketball Court, and Squash Court. A dropdown menu for "Property Status" is set to "All". The main content area features a large image of wind turbines with the text "owner" above it. To the right of the image, there is a summary of a property: 1 unit, 1 bedroom, 1 bathroom, and 1 sqft. The property is described as a studio apartment, fully furnished, located in Cyberjaya at RM1 per Month. Below this summary is a user profile for "yihong" with a small profile picture.

2. After opening the Manage User, Admin can see the first page which is Manage Admin.

-Admin can edit other admin details and delete other admin.
-Admin can also register for other admin.

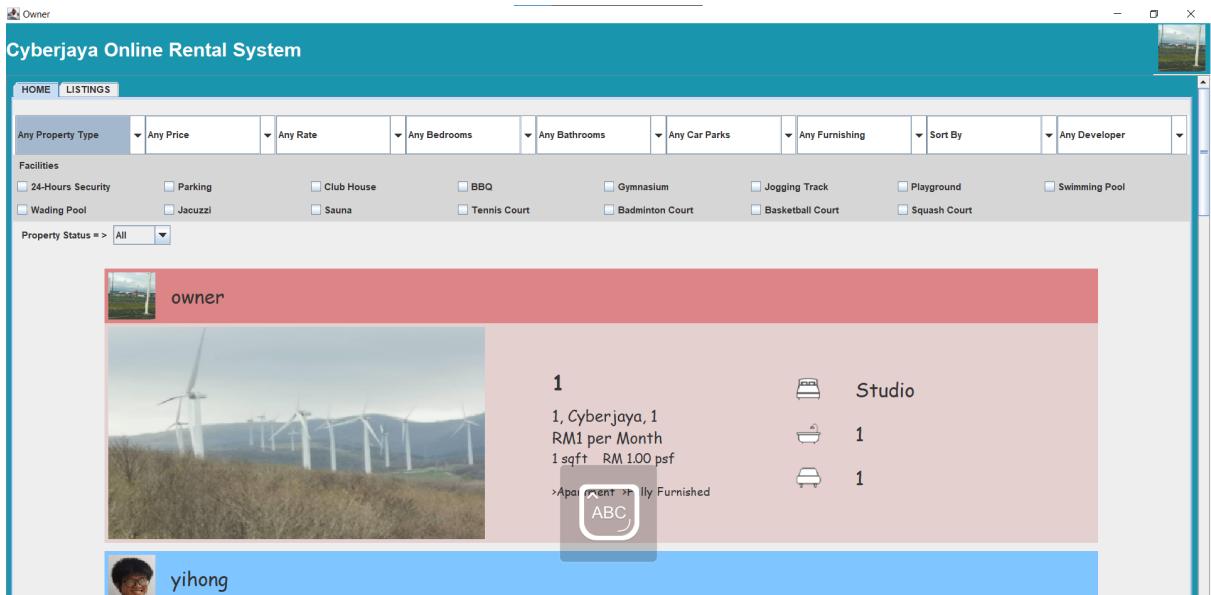
The screenshot shows the "Manage User" interface. At the top, there is a header bar with the title "Manage User" and a "BACK TO MENU" button. Below the header is a navigation bar with tabs: "Admin" (which is selected), "Agent", "Owner", and "Tenant". On the right side of the screen, there is a "ADD ADMIN" button. The main content area displays two admin profiles. The first profile is for "admin", who has a profile picture of a building, the name "admin", the phone number "1223455342", the date of birth "12-5-2001", and the email "admin@sm.com". To the right of this profile are "Edit" and "Delete" buttons. The second profile is for "case", who has a profile picture of a person, the name "case", the phone number "0182355951", the date of birth "3-8-2001", and the email "case@email.com". To the right of this profile are "Edit" and "Delete" buttons.

3. On the Agent/Owner/Tenant Tab, All of them have the same function which is (Accept/Reject) User Registration , (Delete/Edit) User.



Agent/Owner

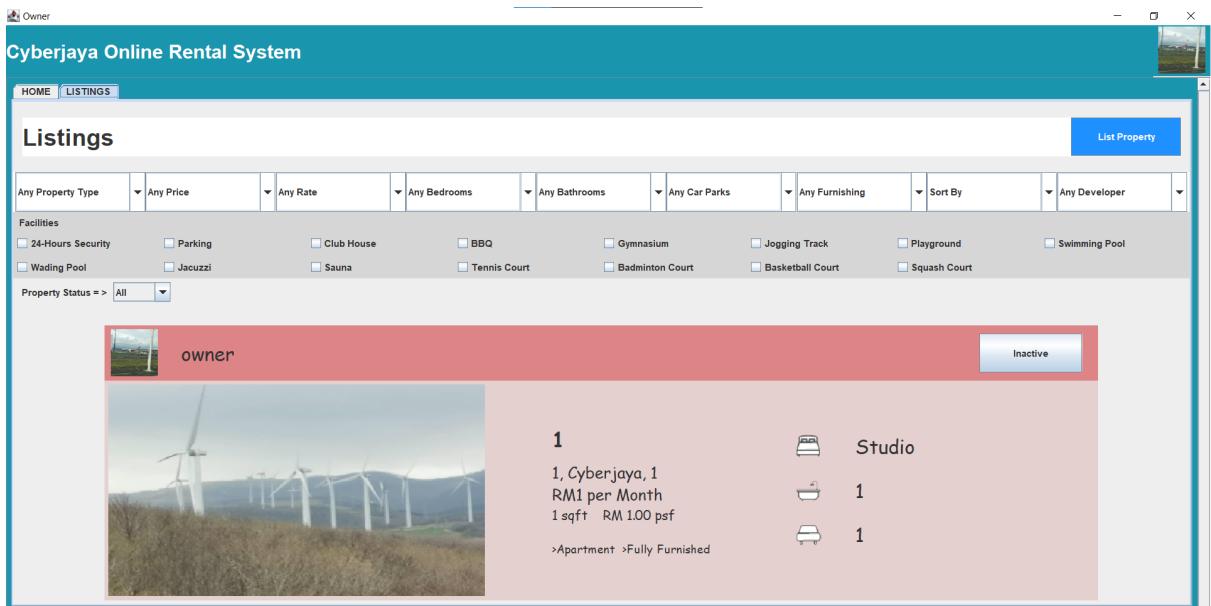
1. After login, the functionality will be the same as the HomePage, but one extra function is provided to Agent/Owner, which is 'Listing'. Click the button on the Right Of 'Home' to open the 'Listing' tab.



2. After clicking the Listing tab, Agent/Owner can see their own property that they have uploaded.

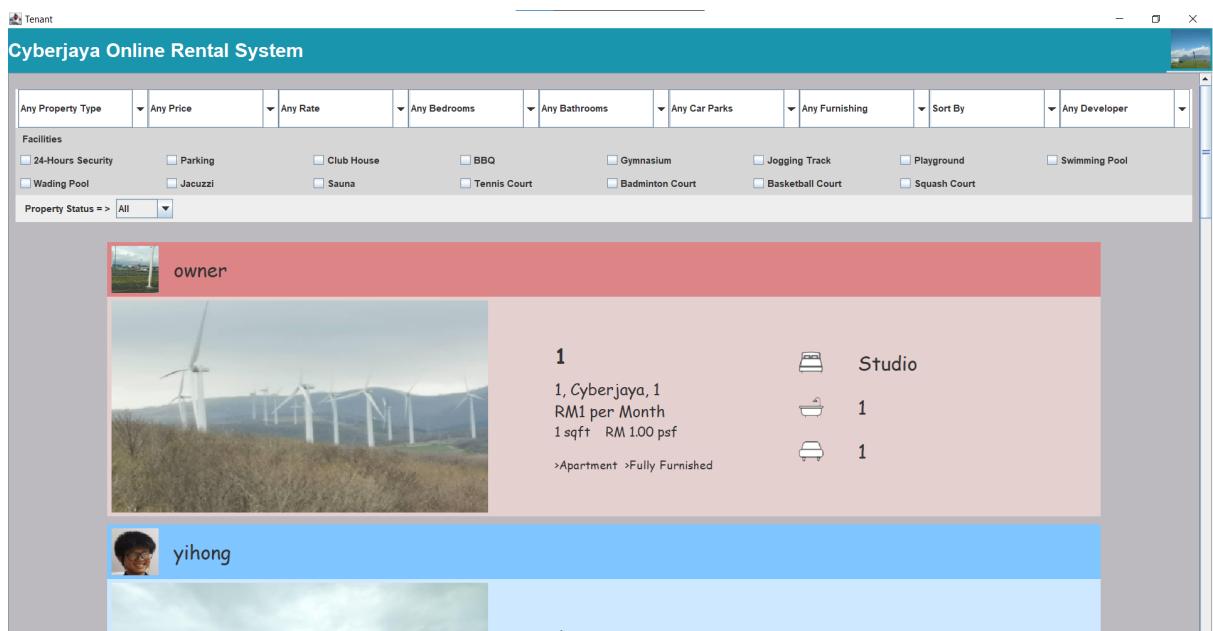
-Agent/Owner can manually change the property status to either active or inactive, by clicking the button on the top right of the property.

-Agent/Owner can add more properties by clicking the List Property on the top right of the program.



Tenant

1. After login, the tenant will have exactly the same GUI as HomePage.



Property

1. Every property listed on the page can be clicked.

A thumbnail image of a property listing. At the top left is a small photo of four people. Next to it is the word "trust". Below the photo is a small image of a two-story house with a snow-covered roof and trees in the background. To the right of the image is the property name "ECO ARDENCE" and its address "35, jalan ardence, Cyberjaya, 41200". Below the address are the details: "RM2400 per Month", "2100 sqft", "RM 1.14 psf", and "4 bedrooms", "4 bathrooms", "3 parking spaces". A note at the bottom says ">Terraced House >Unfurnished".

2. After clicking the property listed, the details of the property will be shown.

This is a detailed view of the ECO ARDENCE property listing. At the top, there's a header bar with "Property Details" and "Cyberjaya Online Rental System". Below the header is a large image of the house. The main content area is divided into several sections:

- Details of the building:** Includes fields for Property Type (Terraced House), Tenure (Freehold), Developer (ECO WORLD), Built-up Size (2100 sq ft), Rent Rate (RM2400 per Month), Furnishing (Unfurnished), Block, Floor, Building Name (ECO ARDENCE), and Listing Reference Number (ECO123123).
- Description:** A large text area containing the word "details" repeated multiple times.
- Available Facilities:** A list including Club House, Swimming Pool, and Badminton Court.
- Available Features:** A list including Air Conditioner, Garden, Breeze, and Fridge.
- This property is managed by:** A yellow box containing a photo of four people and text: "Agent: trust", "Address: Cyberjaya", "Contact Number: 9981892", and a "More Information" button.
- Comments:** A section where users can leave comments, with a placeholder "Drop your comment here : |" and a "Submit" button.

3. More pictures will be shown if the users click the picture on the property details.



4. Tenant/Admin/Agent/Owner can comment on the property, but not unregistered User.

Comments

1234: nice house i would recommend to my friends
tenant1: nice house

Drop your comment here :

5. All users can view the property's Owner/Agent details by clicking the 'More Information' button under the agent/owner tab.

This property is managed by :

Agent : trust
Agency : agency
Contact Number : 9081892

[More Information](#)

6. The details of the Agent/Owner will be shown to the users.

Agent Details

Cyberjaya Online Rental System

agency
ren
reg

trust
ph
email

Properties
2 properties by trust

About trust
bla bla bla

For Rent
2


RM2400
ECO ARDENCE
Cyberjaya, Selangor
2100 sqft RM 114 psf
 4  4  3


RM1232
eclipse
Cyberjaya, Selangor
123 sqft RM 213 psf
 Studio  1  1