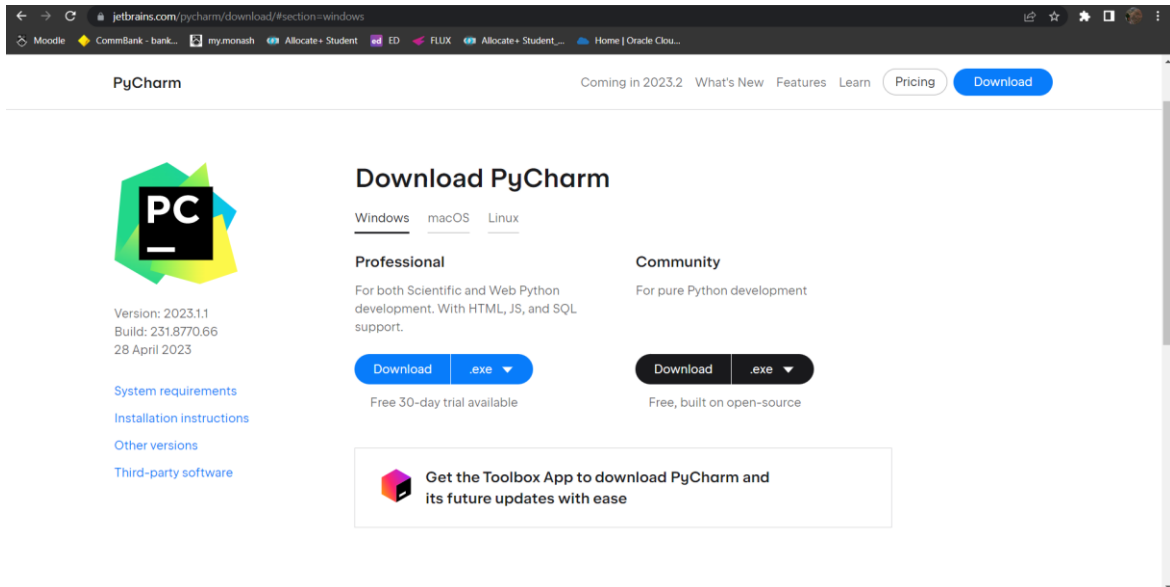
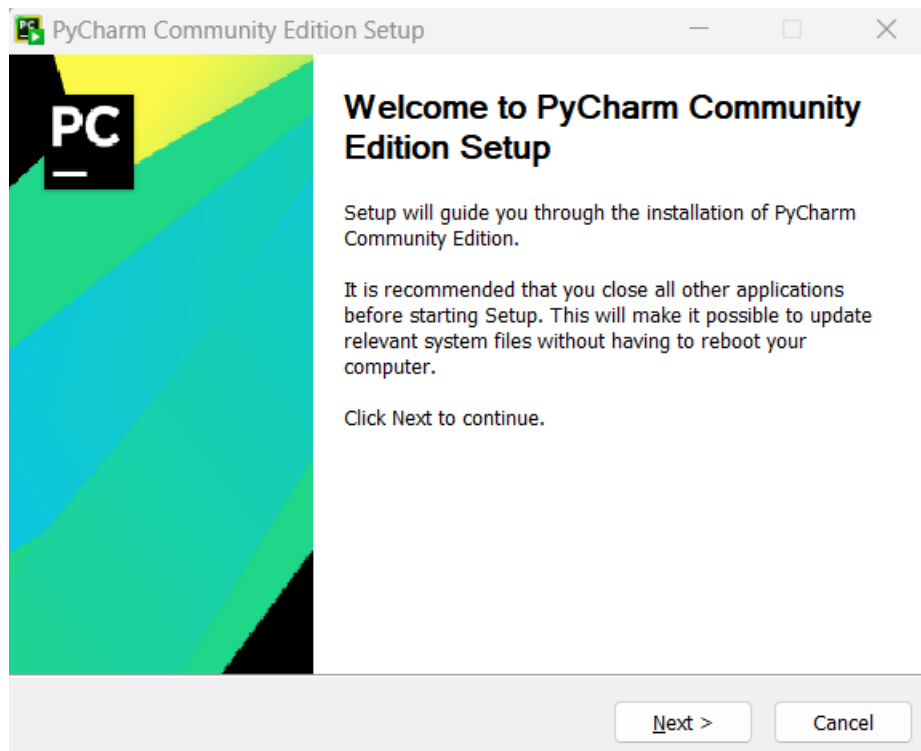


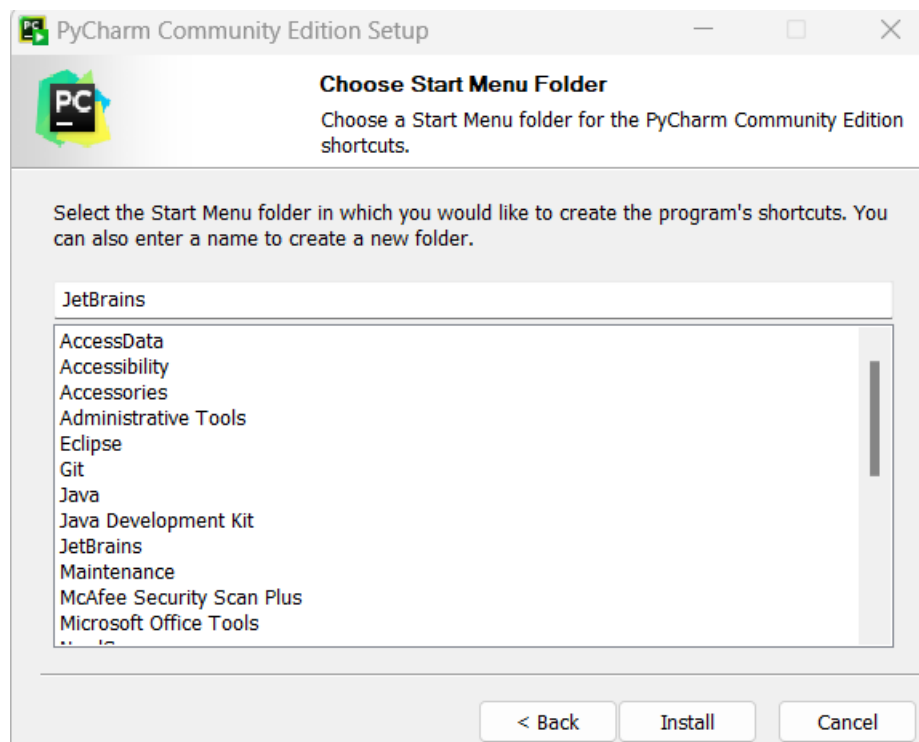
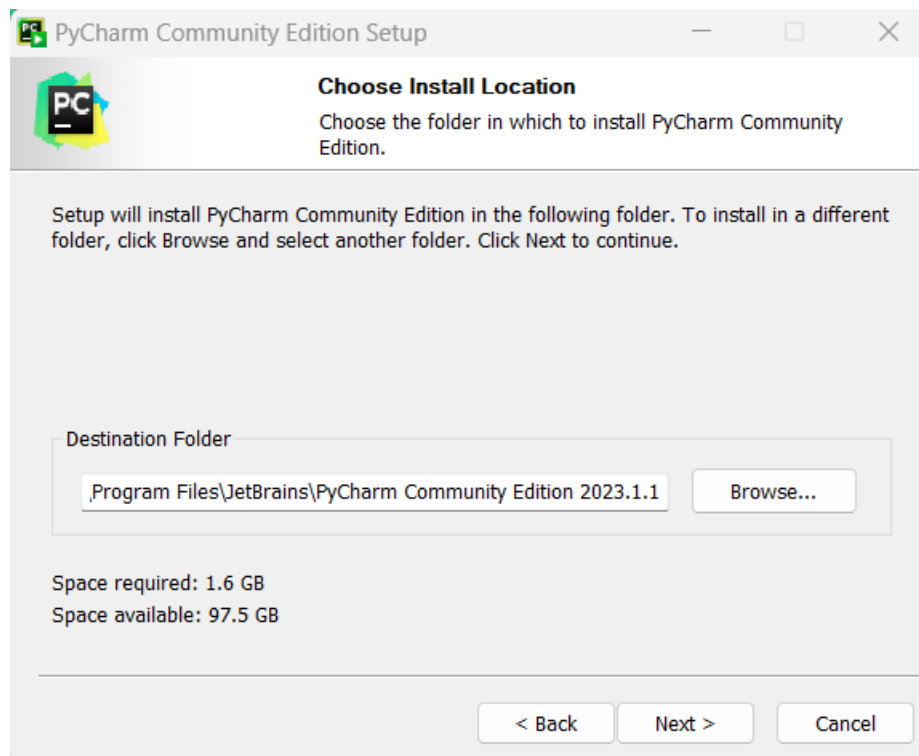
# 1. PyCharm Installation Guidelines

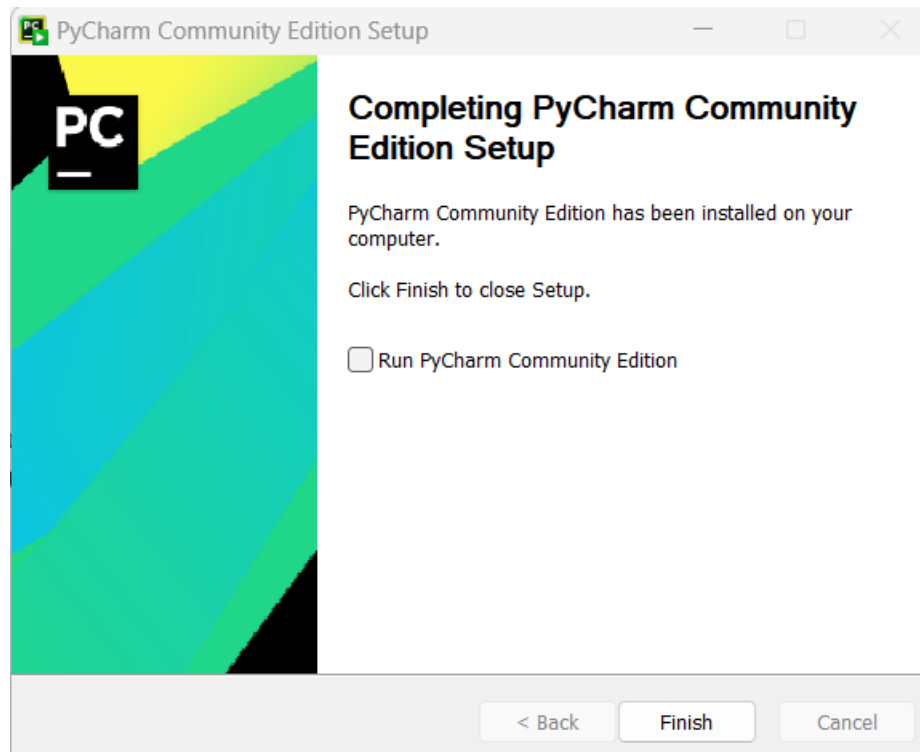
1. Download PyCharm: Visit the JetBrains website (<https://www.jetbrains.com/pycharm/>) and download the appropriate version of PyCharm for your operating system (Windows, macOS, or Linux) and choose the Community Edition.



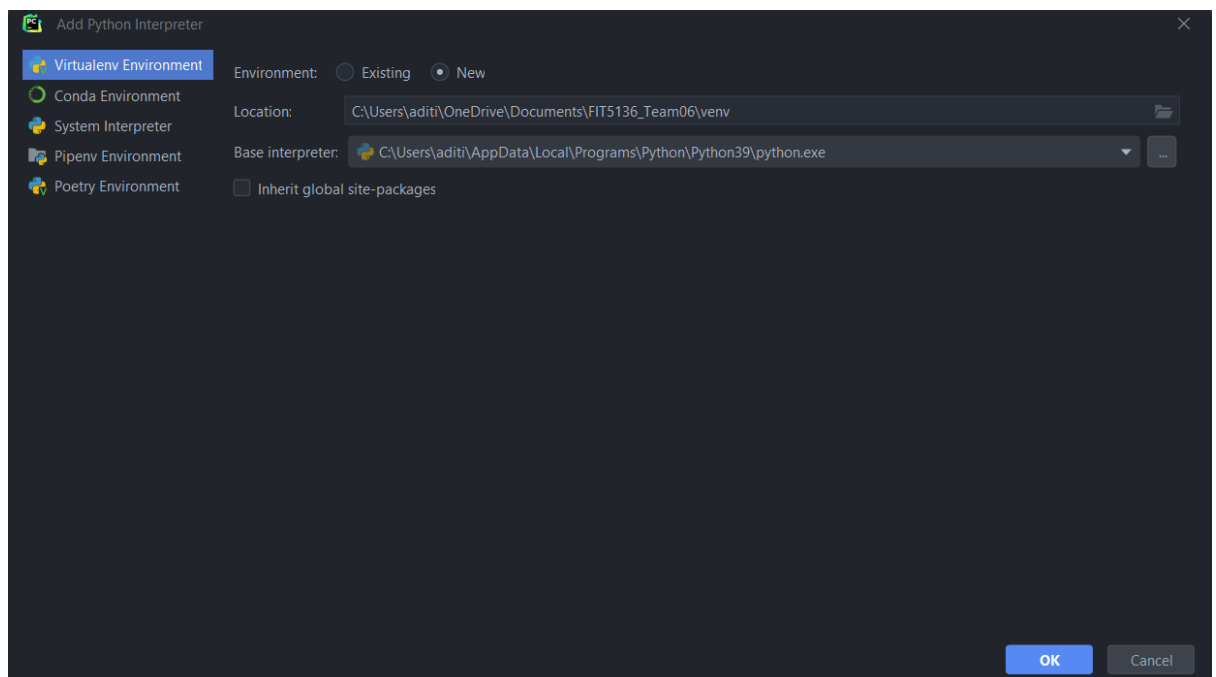
2. Install PyCharm: Run the downloaded installer and follow the on-screen instructions to complete the installation process. Make sure to select any desired preferences during the installation, such as the installation location and additional components.







3. Open PyCharm: After installation, launch PyCharm from your applications or desktop shortcut. Upon opening, you'll be prompted to configure the IDE settings.
4. Open project: Click on "Open Project" or select "File" -> "Open" from the menu. Choose a location on your computer where you have saved the folder.
5. Select the interpreter: Click on File -> Settings -> <Project Name> -> Python Interpreter -> Add local interpreter -> Choose Python 3.9

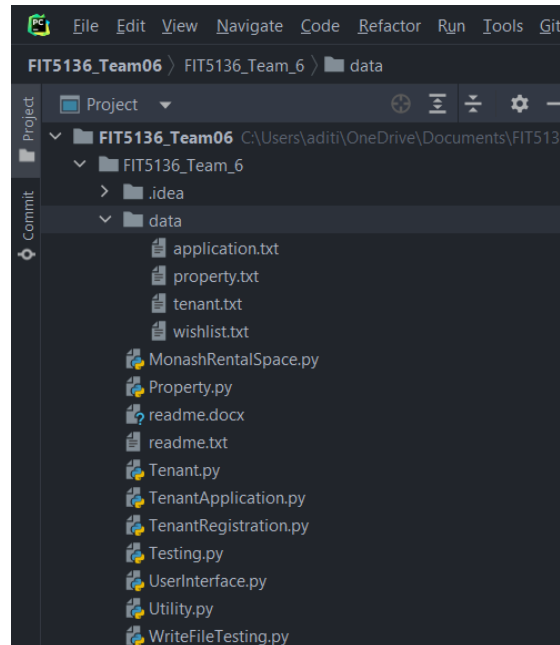


Click on OK. Then open the python files you wish to look at.

## Project Structure and Running the Script

1. To look at the data used as part of the Monash Rental System, navigate to the data folder, and locate the data files i.e., property.txt, application.txt, wishlist.txt, and application.txt.

**Note:** The data folder must be in the same directory hierarchy with all python classes scripts (i.e., class.py)

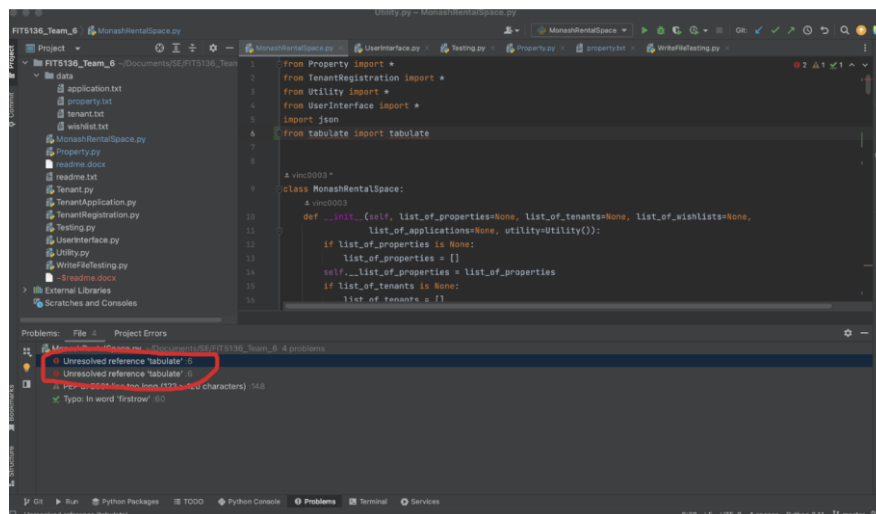


2. Open MonashRentalSpace.py (Controller class) then run the script.

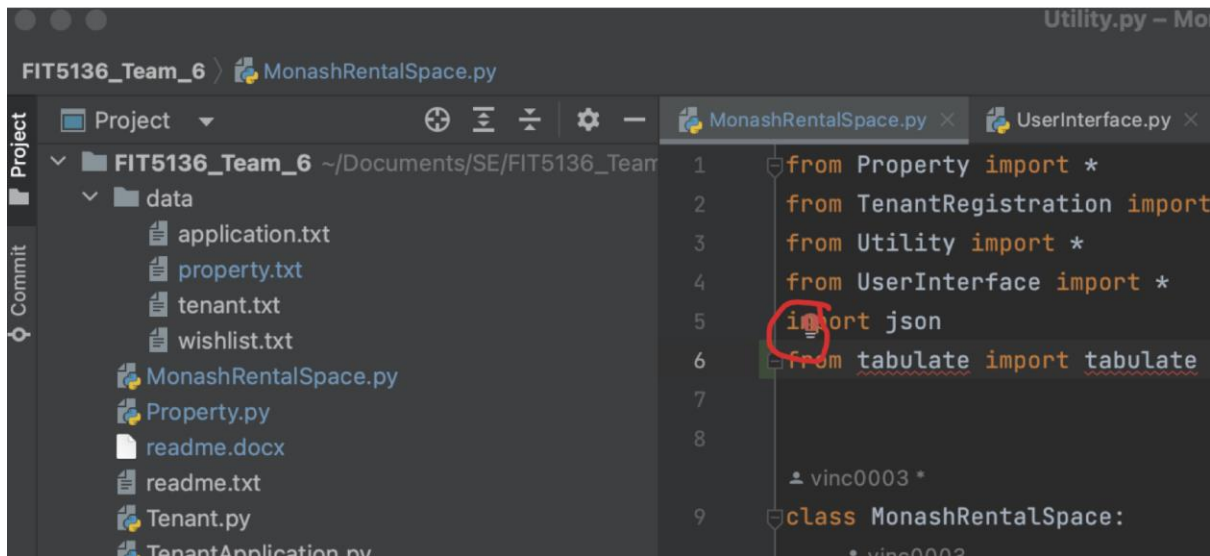
## 2. Troubleshooting

### 1) ModuleNotFoundError: No module named 'tabulate' in Python

1. Navigate the unresolved reference 'tabulate'. (Please refer to the red circle)

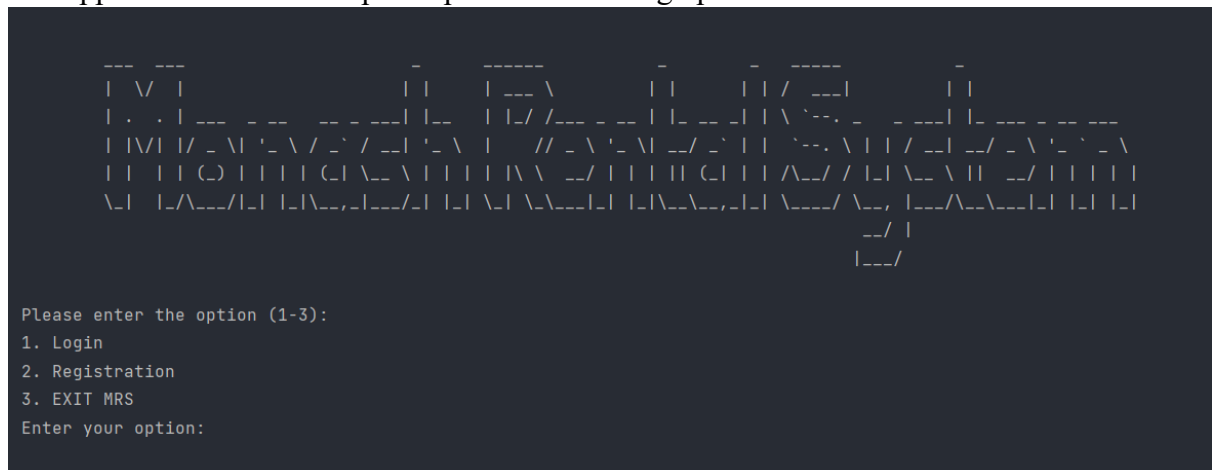


2. Click on red light bulb then **Install package tabulate**. (Please refer to the red circle)



## 2) Running the application:

1. The application starts and opens up to the following options:



- 1 – Login: allows the user to log into the MRS application
- 2 – Registration: allows the user to register as a tenant (Yet to be implemented)
- 3 – Exist MRS: allows the user to exit the MRS application

2. On choosing Login, the tenant is presented with the following options:

```
*****
Welcome to Monash Rental Space (MRS) System
*****

Please enter the option (1-5):
1. Search Property
2. View Wishlist
3. Calculate Optimal Rental Price
4. Logout
5. EXIT MRS
Enter your option:
```

- 1- Search Property: allows the tenant to view all the properties (search and filter yet to be implemented)
- 2- View Wishlist: allows the tenant to view his wishlist
- 3- Calculate Optimal Rental Price: (Yet to be implemented)
- 4- Logout: allows the tenant to log out of the application
- 5- Exit MRS: allows the tenant to exit the MRS application

3. On choosing the search property option, the tenant is presented with the following options:

Search Results:

Wishlist Status	Property Number	Property Address	Property Suburb	Property Price	Property Condition	Property Type	Property State
*	1	5 Elm Street	Oakleigh	500 AUD per week	Furnished	Townhouse	Off Market
*	2	25 Maple Avenue	Notting Hill	450 AUD per week	Not Furnished	Unit	Leasing
*	3	35 Oakwood Drive	Clayton South	610 AUD per week	Not Furnished	House	Leasing
*	4	45 Springvale Road	Mulgrave	550 AUD per week	Furnished	Apartment	Leasing
*	5	55 Main Road	Clayton	480 AUD per week	Furnished	Townhouse	Leasing

Please enter the option (1-2):  
1. View a Property  
2. Go Back to Main Menu  
Enter your option:

- 1- View Property: allows the tenant to view all the properties.
- 2- Go Back to Main Menu: takes the tenant back to main menu

4. On entering the view property option, tenant is asked to enter the property number, and then given the following options:

```

Please enter the option (1-2):
1. View a Property
2. Go Back to Main Menu
Enter your option: 1
Please enter the property number to view: 4

Address: 45 Springvale Road
Suburb: Mulgrave
Price: 550 AUD per week
Condition: Furnished
Type: Apartment
State: Leasing
Description: Contemporary apartment with stunning views and access to communal facilities.
Agent: Kyle Dansworth
Management Contact Number: 321-789-6540
Application URL: https://www.real-estate-australia.com.au/23139/rent/application
Inspection Date and Time: May 26 2023, 4:30 PM

Please enter the option (1-3):
1. Apply for the Property
2. Add to Wishlist
3. Go Back to Main Menu
Enter your option:

```

- 1- Apply for the Property: Tenant can apply for this property.
- 2- Add to wishlist: allows the tenant to add the property to wishlist
- 3- Go Back to Main Menu: Takes the tenant back to main menu

- 5. On applying for property (Option 1), the tenant is asked to confirm if he wishes to use existing details:

```

Use the existing personal details from registration form? (1-3):
1. Yes
2. No
3. Go Back to Property Details
Enter your option:

```

- 5.1. IF yes (Option 1), the tenants will need to enter their mobile phone and saving (option).
- 5.2. IF no (Option 2), the tenants will need to enter their first name, last name, email, mobile phone and saving.
- 6. On adding to wishlist (Option 2), the tenant is notified that the property has been added to wishlist.
- 7. From the main menu, the tenant can view his wishlist, and is presented with the following options:

My wishlist:								
Property_no	Property Address	Added to Wishlist On	Property Suburb	Property Price	Property Condition	Property Type	Property State	Listed Dat
1	5 Elm Street	18/05/2023 23:19:56	Oakleigh	500 AUD per week	Furnished	Townhouse	Off Market	07/09/2021
2	45 Springvale Road	18/05/2023 23:19:56	Mulgrave	550 AUD per week	Furnished	Apartment	Leasing	04/05/2021
3	55 Main Road	20/05/2023 00:02:36	Clayton	480 AUD per week	Furnished	Townhouse	Leasing	03/06/2022

Please enter the option (1-3):

1. View a Property
2. Remove a Property
3. Go Back to Main Menu

Enter your option:

- 1- View a property: provides the tenant with a more detailed description of the property of his choice.
- 2- Remove a property: provides the tenant with an option to remove a property from his wishlist
- 3- Go back to main menu- takes the tenant back to the main menu.