

Property Purchase, Rent, Sell Application:

Overview:

This project involved developing a solution using PowerApps, Power Automate, Share Point List for Unico Properties, company providing Property related services in USA. The client uses the solution to automate their complete business process of sell, rent, buy all types properties and facilitate the registered customers to list their properties for sell or rent. This project enabled them to avoid losing out on precious time and provide a platform to find suitable properties for all customers (buyers, sellers or rent) sitting at home.

Client details:

Name: Confidential | **Industry:** Properties & Housing Services | **Location:** U.S.A

Technologies:

Office365, PowerApps (Canvas Apps), PowerFX, Power Automate (For multilevel approvals, CRUD operations in O365), SharePoint List.

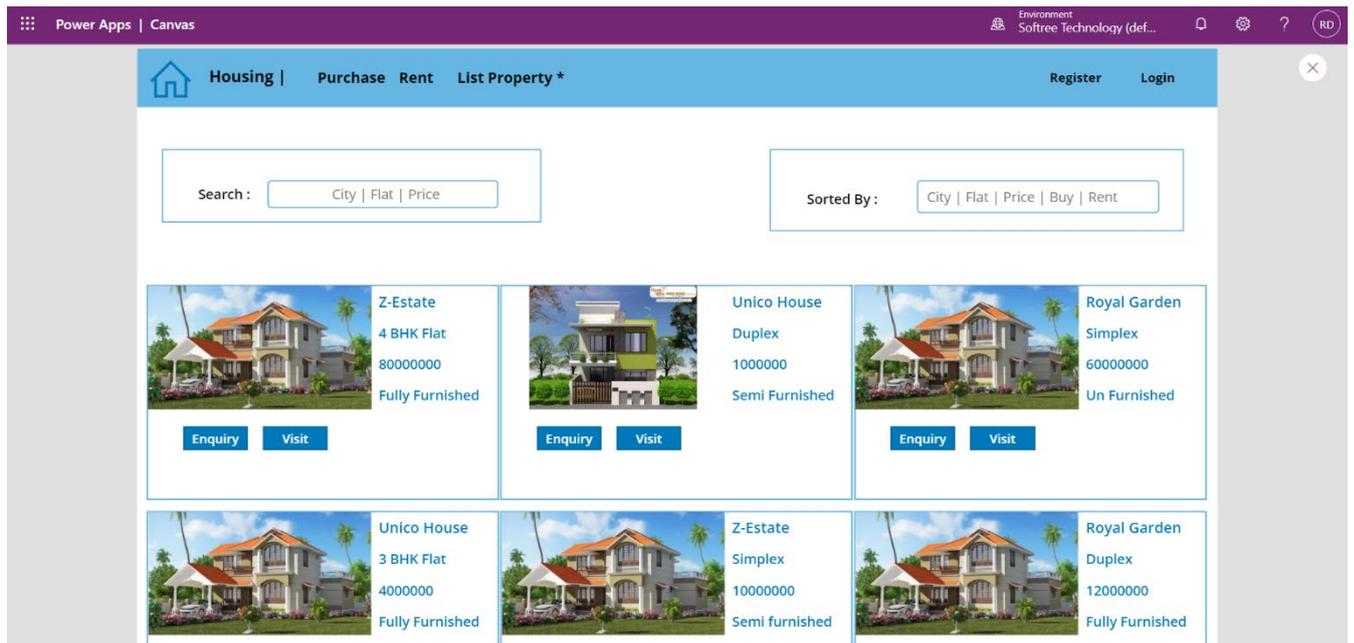
Project Description:

This online Property Solution Application can help you to get best property by just sitting at home or anywhere. People can book their favourite property online just after a few clicks. In this system the customer can add the property for selling/ renting purpose and other customer can buy or book a property for rent. This system has two modules namely, Admin and User. Admin can add the property details for buildings, flats, houses, bungalows. Admin can approve customers request and do other official process like document verifications, confirm booking, proceeding registration work of properties and also can check the list of registered clients. Users need to register and then login just by using credentials. Users can view the properties for rent or for buying purpose. He/ she can mark the favourite properties and can also book appointment for visiting the viewed favourite places. In addition, registered customer can list their properties for Sell or Rent for Free.

The project was successful and Some of the salient features are as follows:

Home Page:

This is the landing page where different customers can visit and search their suitable properties like Flat, Simplex, Duplex. The search option helps customers to filter and find specific properties sorted by City, Type or Price. finding their suitable properties, they can directly enquiry or contact for site visit. To avail other services like Purchase, Rent or List their properties Customers need to have Login credentials. New Customers can register and then login to their respective Dashboard to avail all services, existing Customer can directly log in to their Dashboard.



Customer Login and Registration:

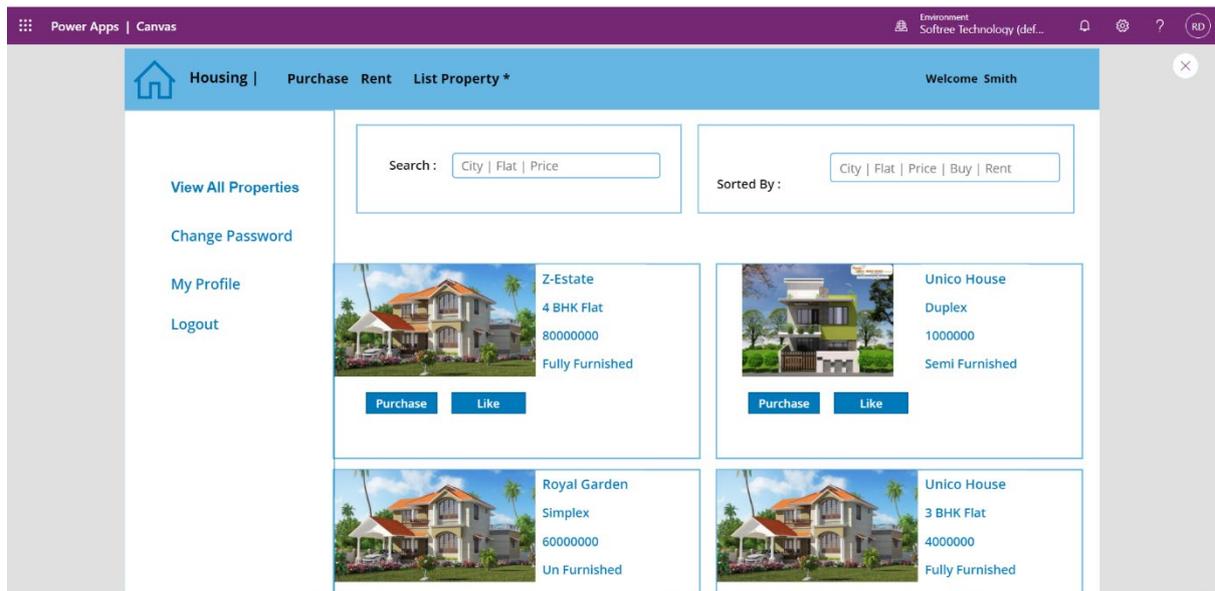
Here existing customers can login with their credentials and new Customer need to register with valid data. after successful registration customers will be notified through mail or mobile, then they can easily log in to their Dashboard.

The screenshot shows a Power Apps Canvas interface for a 'Housing' application. The main header is 'Customer Login' with a 'Register' link on the right. The form contains three input fields: 'Email' (placeholder: 'Enter Your Email'), 'Password' (placeholder: 'Enter Your Password'), and 'Confirm Password' (placeholder: 'Confirm Password'). Below the fields are two buttons: 'Login' and 'Cancel'.

The screenshot shows a Power Apps Canvas interface for a 'Housing' application. The main header is 'Customer Registration' with a 'Login' link on the right. The form contains five input fields: 'Customer Name' (placeholder: 'Enter Your Name'), 'Email' (placeholder: 'Enter Your Email'), 'Password' (placeholder: 'Enter Your Password'), 'Mobile' (placeholder: 'Enter Your Mobile Number'), and 'Address' (placeholder: 'Enter Your Address'). Below the fields are two buttons: 'Register' and 'Cancel'.

Customer Dashboard:

Here customers can search their suitable properties sorted by City, Type or Price for purchase or rent and can send request after finding suitable property. In here customers can also list their properties for sell or rent. Customers can also manage their dashboard like view request status, their profile or modify their password.



Add/List New Property:

Basic Information:

Customers can list their properties for sell or rent purpose by providing detail information like property details, pricing and area, address or images etc as following. after submitting required detail all information will be verified and will be viewed by other customers when it is approved by admin.

The screenshot shows a Power Apps interface for adding a new property. The top bar includes 'Power Apps | Canvas', 'Environment Softree Technology (def...', and a user profile 'RD'. The main header is 'Housing Add New Property' with a 'Welcome Smith' message. The form is divided into sections: 'Basic Info', 'Pricing and Area', 'Other Details', 'Address', and 'Photos'. The 'Basic Info' section contains the following fields and options:

- I want To :** Buttons for 'Sell' and 'Rent'.
- BHK :** Buttons for '1', '2', '3', and '4'.
- Property of Type :** Buttons for 'House', 'Flat', 'Simplex', and 'Duplex'. A note above 'Simplex' and 'Duplex' says 'No data source provided'.
- Furnish Type :** Buttons for 'Fully Furnished', 'Semi Furnished', and 'Un Furnished'.

On the right, the 'Your Property Preview :' section displays a 3D rendering of a house and the following details:

- BHK : 4 BHK**
- Price: USD(600000)**
- Area : 2000 Sqft.**

A 'Next' button is located at the bottom right of the preview section.

Pricing and Area:

Customers need to fill all the fields related to Pricing and Area as per following form, then he/she can navigate to the next tab.

The screenshot shows a Power Apps canvas interface for a 'Housing' application. The top navigation bar includes a home icon, the text 'Housing', the current tab title 'Pricing and Area', and a user greeting 'Welcome Smith'. Below the navigation bar is a horizontal menu with five tabs: 'Basic Info', 'Pricing and Area' (which is selected and highlighted), 'Other Details', 'Address', and 'Photos'. The main content area contains six input fields arranged in two columns. The left column has three fields: 'Price(in USD(\$)) : Enter Price of the Property', 'Security(in USD(\$)) : Enter Security Amount', and 'Maintainance(in USD(\$)) : Maintenance Cost'. The right column has two fields: 'Bultin Area(Sqft.) : Enter Bultin Area' and 'Carpet Area(Sqft.) : Enter Carpet Area'. At the bottom of the form are two blue buttons labeled 'Back' and 'Next'.

Other Details:

In here customer can fill up details like floor number, total floors, Land mark etc.

The screenshot shows the same Power Apps canvas interface, but the 'Other Details' tab is selected and highlighted in the horizontal menu. The main content area contains four input fields stacked vertically: 'Floor : Enter the Floor', 'Total Floors : Enter Total Floors', 'Land Mark : Land Mark', and 'Address : Address'. At the bottom of the form are two blue buttons labeled 'Back' and 'Next'.

Address:

Here customers can fill up detail address of the property.

The screenshot shows a web browser window displaying a Power Apps application. The browser tabs include 'DAV PUBLIC SCHOOL, RAJABAGI', 'Microsoft Office Home', 'SharePoint', and 'Power Apps'. The address bar shows a URL from 'make.powerapps.com'. The application interface has a purple header with 'Power Apps | Canvas' on the left and 'Environment Softree technology (def...)' on the right. Below the header is a blue navigation bar with a home icon, the text 'Housing', 'Address', and 'Welcome Smith'. A secondary navigation bar contains five tabs: 'Basic Info', 'Pricing and Area', 'Other Details', 'Address' (which is selected), and 'Photos'. The main content area is a form with the following fields: 'House Name' (with a placeholder 'Enter the House Name'), 'PIN' (with a placeholder 'Enter the PIN Code'), 'House No' (with a placeholder 'Enter House Number'), 'State' (with a placeholder 'Enter your State'), 'Land Mark' (with a placeholder 'Land Mark'), 'Country' (with a placeholder 'Enter your Country'), and 'City' (with a placeholder 'Enter your City'). At the bottom of the form are two blue buttons labeled 'Back' and 'Next'. The Windows taskbar is visible at the bottom of the browser window, showing the search bar and various application icons.

Upload Photos:

Here customers can upload different images or photos of the property. Then he/she can submit for proper verification to be viewed on the portal.

The screenshot shows the 'Photos' section of the Power Apps application. The browser window and header are identical to the previous screenshot. The navigation bar now has the 'Photos' tab selected. The main content area features a large grey placeholder with the text 'Take Picture' in the center. To the right of this placeholder is a small thumbnail image of a modern, multi-story white building with red accents. At the bottom of the form are three blue buttons labeled 'Save', 'Cancel', and 'Back'.

Purchase / Rent Request Confirmation:

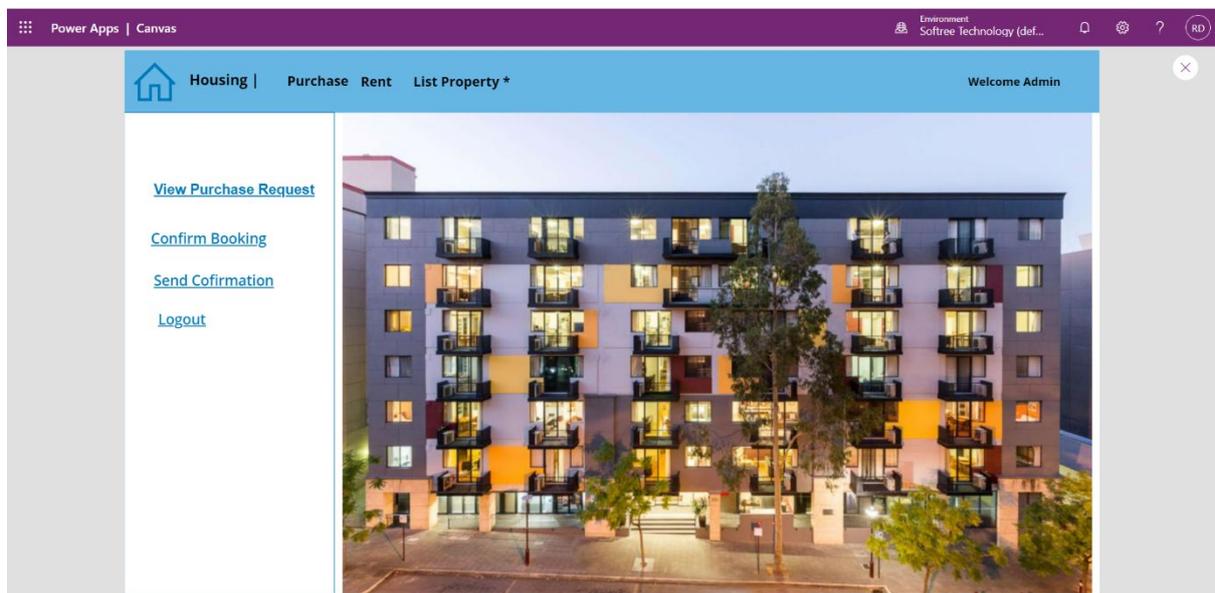
Here Customer can view or verify the detail of the property he/she has chosen for buy or rent. After verifying all the details, he/she can send the request his/her confirmation to the admin. The request will be processed depending on certain criteria within 48 hrs and will be notified to customers through mail or mobile number.

The screenshot shows a Power Apps interface for a 'Purchase Request'. The app is titled 'Purchase Request' and is running in the 'Environment' of 'Softree Technology (def...)'. The main content area is divided into two columns. The left column features a large image of a modern, multi-story white house with red accents. Below the image, the property details are listed: 'White House', 'Z-Estate', '4 BHK Duplex', and 'Fully Furnished'. At the bottom of this column are two buttons: 'Confirm' and 'Back'. The right column contains a form with a tabbed interface. The 'Overview' tab is active, showing the following details: Project Name: Unico Houses, House Name: White House, Main Entrance: East Facing, Age of the Property: 0, Possession Date: 10th Dec 2021, and About Property: Well Furnished and Ready to move house with all morden amenities. The other tabs are 'Address', 'Photos', and 'Contact'.

Overview	Address	Photos	Contact
Project Name :	Unico Houses		
House Name :	White House		
Main Entrance :	East Facing		
Age of the Property :	0		
Possession Date: :	10th Dec 2021		
About Property :	Well Furnished and Ready to move house with all morden amenities.		

Admin Dashboard:

In here admin can view purchase request status, confirm booking and send confirmation to the customers for final process. Admin has the rights to handle all the confidential and legal document processing with related property dealing.



Purchase Request Status:

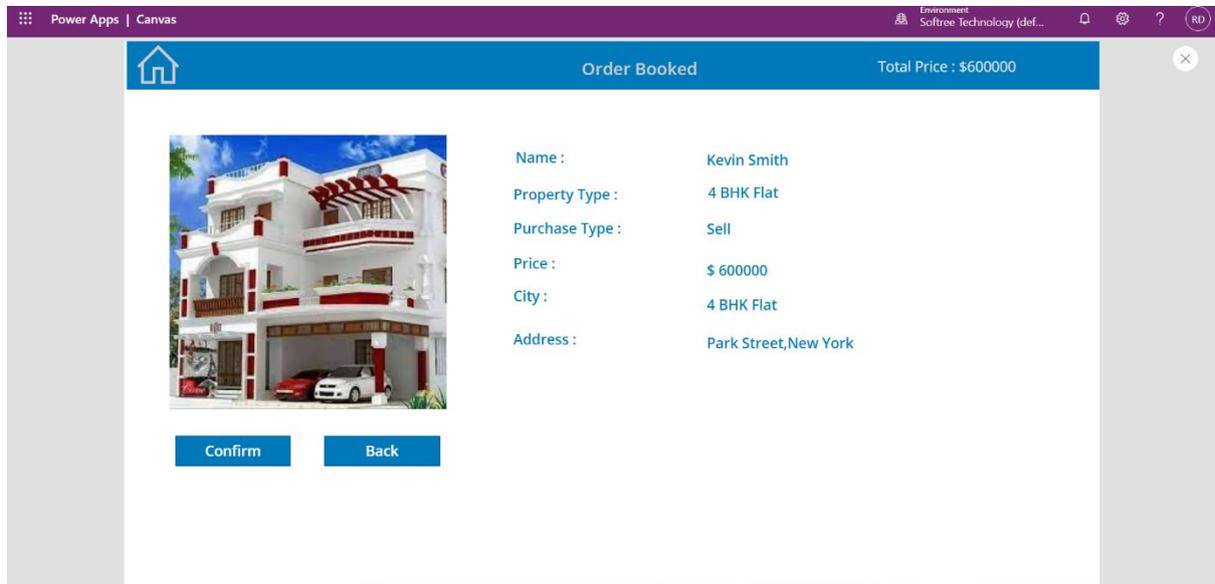
Here admin can find all requested status and process all the approved status by cross verifying the details. He can also verify the Pending and Rejected request for further proceeding.

The screenshot shows a Power Apps Canvas interface for a 'Property Purchase Request' application. The interface includes a header with a home icon, a search bar, and three filter buttons: 'Pending', 'Approved', and 'Rejected'. The main content is a table listing five property purchase requests. Each row contains the requester's name, estate type, property type, price, location, and furnishing status. The status of each request is displayed in a button (Approved, Pending, or Rejected), along with a checkmark icon and a trash can icon for each entry.

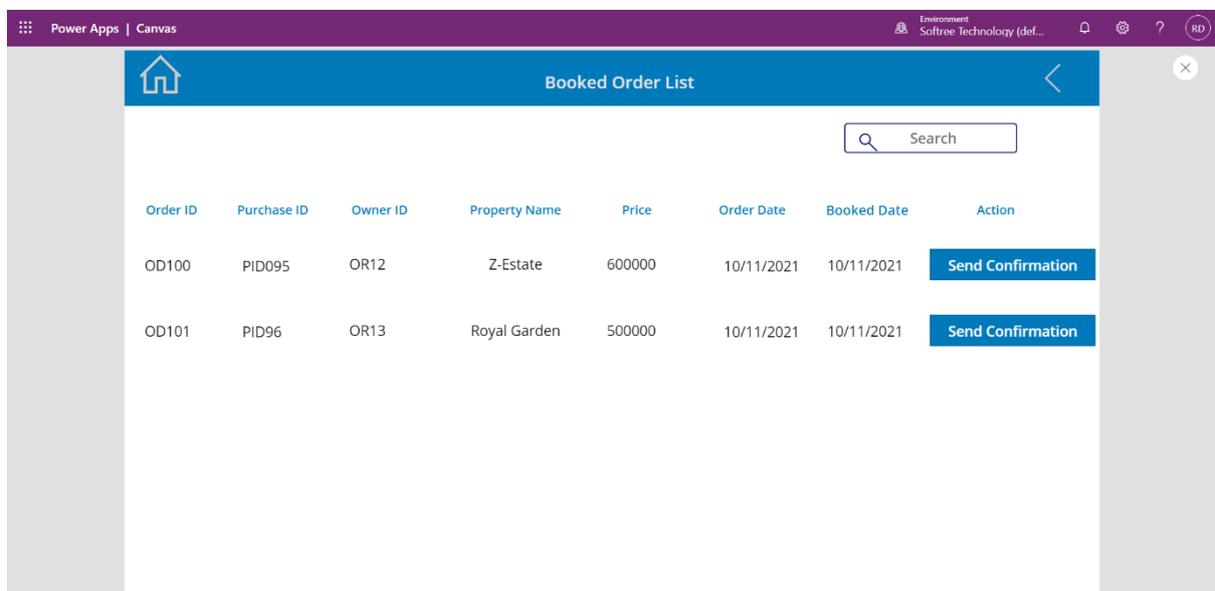
Requester	Estate	Property Type	Price	Location	Furnishing	Status	Checkmark	Trash
Kevin Smith	Z-Estate	4 BHK Flat	8000000	NewYork	Fully Furnished	Approved	✓	🗑️
Andrew Hense	Unico House	Duplex	1000000	Texas	Semi Furnished	Pending	✓	🗑️
Jasmine Terran	Royal Garden	Simplex	6000000	California	Un Furnished	Approved	✓	🗑️
Kulter Brian	Unico House	3 BHK Flat	4000000	New Jersey	Fully Furnished	Rejected	✓	🗑️
Tim James	Z-Estate	Simplex	1000000	Texas	Semi furnished	Pending	✓	🗑️

Order Booked:

Once admin find everything ok, then he confirmed booking and confirmation to the Customers for final formalities.



Send Confirmation To Customer:



Conclusion:

This is a complete solution for Property Dealers as well as Customers to facilitate their requirements without middle man or agents. Here They can communicate and place their business with trust and genuineness.