User Manual

For Online Real Estate System

Version 1.0

Submitted in partial fulfillment of the requirements of the degree of MSE

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1. **Introduction**

This document will explain how to use the Online Real Estate System.

2. **Online Real Estate System Usage**

2.1 **Customer**

The customer needs to type the URL default page to enter the system.

2.1.1 **Search**

The customer can search for available Real Estates by clicking on Search link found in the Customer menu located on the top of the screen. There will be four categories:
Real Estate Type, City, District, and Street. Each category will be based on the choice made for the category before. The Customer first need to select the Real Estate type, then the system will view the cities that have the Real Estate type selected by the Customer. Next, the Customer chooses the district of the city. Finally, the customer will choose the street corresponding to the first three categories of the Real Estate. The Customer will choose one option for each category through the keyboard and click on the “Start Search” button.
2.1.2 Contact Us

The customer can make a request for Real Estates by clicking on Contact us link found in the Customer menu located on the top of the screen. The Customer will be required to provide his name, email, and the message that he wants to send to the Real Estate Office. The Message will be sent to the office as an email when the customer clicks the “submit” button. The “clear” button is used when the customer decides to reset all the fields. The office will receive an email that has the customer’s request. In addition, the customer will get an email as a confirmation to his request. The snapshots below view the process of making a request.
Name: Mosaed Alomery
Email: alomery@isu.edu
Message: I would like to buy a new house in North of Riyadh

New Customer Request
Date: 7:53 PM
Subject: New Customer Request
From: Mosaed Alomery
To: alomery@isu.edu

Hi,

Mosaed Alomery please is request
I would like to buy a new house in North of Riyadh.His email address is
alomery@isu.edu

Have a nice day,
The office Team

Reply

Send
2.2 employee

2.2.1 Login

The purpose of this part of the application is to provide user authentication. The user will enter two inputs (User Name and Password) through the keyboard. The system then checks both User Name and Password to see if they are valid. If the User Name or password is not valid, the appropriate error message will be displayed and the user needs to re-enter the User Name and password. If the user inputs are valid, the user will be directed to the default Web page.
2.2.2 Logout

If the Employee is logged in, the logout link will be displayed on the Employee menu located on the up of the screen. Employees can logout anytime by clicking on the “logout” link.
2.2.3 Add Customer

The Employee can customers to the system by clicking on the “Add Customer” link found in the menu located on the top of the screen. The employee will see all the customers available on the system at that point. Then the employee needs to click on “Add Customer” button to get the form for adding the customer. The employee needs to fill the customer name, email, phone, and address then click the “finish” button. If the input information is valid, the Employee will be directed to the confirmation page. The Employee can also edit or delete any customer in the system by clicking the edit/delete button found next to the Customer information. The below snapshots illustrate the steps of adding a customer to the system.
The Customer Has Been Added to the System
2.2.4 Create New Real Estate

The employee will be able to see all the Real Estates available in the system when selecting Create New Real Estate which display the creation page. The Employee will enter the required information of the Real Estate then click the “submit” button and the Real Estate list will be automatically refreshed having the new real estate. The below screen shots demonstrate creating a new real estate.
<table>
<thead>
<tr>
<th>ID</th>
<th>Type</th>
<th>Price</th>
<th>Bprice</th>
<th>City_Name</th>
<th>Status</th>
<th>District</th>
<th>Region</th>
<th>Street</th>
<th>AirCon</th>
<th>BathNo</th>
<th>Furniture</th>
<th>BedRoomNo</th>
<th>Size</th>
<th>Site</th>
<th>RoomNo</th>
<th>CustomerName</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Land</td>
<td>999900</td>
<td>500000</td>
<td>Riyadh</td>
<td>Sell</td>
<td>Alkhafah</td>
<td>North</td>
<td>King Fahd</td>
<td>NULL</td>
<td>NULL</td>
<td>NULL</td>
<td>580</td>
<td></td>
<td></td>
<td></td>
<td>mazin</td>
</tr>
</tbody>
</table>

- **Type:** Apartment
- **City Name:** Abha
- **City Region:** Choose One
- **City District:**
- **Street:**
- **Bidding Price:**
- **Price:**
- **Num of Bath:**
- **Furniture:** Choose One
- **Num of Bath:**
- **Size:**
- **Site:**
- **Room Num:**
- **Status:** Choose One
- **ID:**
- **Customer Name:** John Smith

[Submit button]
2.2.5 Update Real Estate

The Employee can update the Real Estate information by clicking on the “Update” link found at the menu located on the top of the screen. The Employee will select the Real Estate form the list of Real Estates. Update the information. Then the Real Estate information will be updated and saved to the database. The Employee will have the option of canceling the updated fields before submitting them. In addition, the Employee will have the ability of deleting a Real Estate form the system. The screen shots below illustrate updating/ deleting a real estate.
2.3 Manager

2.3.1 Add Location

The Manager can add a new City to the system by clicking on the “Add Location” link found in the menu on the top of the screen. The Manager will enter the City Name, Region, and District information and click the “finish” button. If the
information is valid, the Manager will be directed to the confirmation page and the new city will be added to the system. The screen shots below illustrate adding a location to the system.

Location Has Been Added
2.3.2 Create Employee

The Manager will select “Create Employee” from the menu on top of the screen. The Manager will enter the Employee User Name, Password, Email, and Security Question. Then he will click “Create User” button. The system will direct him to the next step which is choosing the role of the new Employee. Finally, the confirmation step is displayed to the Manager. The snapshots below illustrate the Create Employee steps.
The Manager can manage the users and roles of people using the system by clicking “Roles and Users” link on the menu at the top of the screen. The Manager will be able to add a new user to a certain role, or remove a user from a role by two options:
Manage Roles By User, or Manage Users by their Roles. The screen shots below illustrate managing roles and users in the system.
User Role Management

Manage Roles By User

Select a User: [ ]
- Employee
- Manager

Manage Users By Role

Select a Role: Manager

<table>
<thead>
<tr>
<th>Username</th>
<th>Remove</th>
<th>User Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>mazin</td>
<td></td>
<td>mazin</td>
</tr>
<tr>
<td>madaa</td>
<td></td>
<td>madaa</td>
</tr>
</tbody>
</table>

User mazin was added to role Manager.