Test Plan

For Online Real Estate System

Version 1.0

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

Mosaad Alomery
CIS 895 – MSE Project
Kansas State University
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1. **Test Plan Identifier**
   TestPlan- ORES-V1.0

2. **References**

3. **Introduction**
   The purpose of this document is to outline the testing plan for testing the critical use cases and functionalities that are described in the Vision Document of the Online Real Estate System (ORES).

4. **Test Items**
   The critical use case requirements (section 3.2 of Vision Document) are the items to be tested. They are as follow:
   - Create New Request.
   - Search Real Estate.
   - Maintain User Information.
   - Create New Real Estate.
   - Update Real Estate.
   - Maintain Location information.
   - Create new Employee.
   - Maintain Employee.

5. **Features to be tested**
   This section outlines all features that will be tested from the Vision Document.

<table>
<thead>
<tr>
<th>Feature Identifier</th>
<th>Description</th>
<th>Requirements Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-001</td>
<td>Create New Request</td>
<td>3.2.1</td>
</tr>
<tr>
<td>T-002</td>
<td>Search Real Estate</td>
<td>3.2.2</td>
</tr>
</tbody>
</table>
6. Test cases

6.1 Test Case 1: Create New Request
- Incorrect input: An empty requirement field. (Name, Email, Property information).
- Pass criteria: An appropriate error message should be displayed and the customer should not be allowed to make the request.
- Correct input: Fill in all required fields in correct format.
- Pass criteria: The user should be directed to the confirmation page.

6.2 Test Case 2: Search Real Estate
- Incorrect input: An empty requirement field. (Real Estate type, city, region, street).
- Pass criteria: An appropriate error message should be displayed and the customer should not be allowed to be directed to the result page.
- Correct input: Fill in all required fields in correct format.
- Pass criteria: If all required fields are correctly filled then the customer should be directed to the result page.

6.3 Test Case 3: Maintain User Information
- Incorrect input: An empty required field. (Full Name, Email, Phone, Address).
- Pass criteria: An appropriate error message should be displayed and the employee should not be allowed to confirm the task.
- Correct input: Fill in all required fields in correct format.
• Pass criteria: the employee will be allowed to confirm the maintained information.

6.4 Test Case 4: Create New Real Estate
• Incorrect input: missing a required field of the property.
• Pass criteria: An appropriate error message should be displayed and the employee should not be allowed to complete the process.
• Correct input: fill in all required fields in correct format.
• Pass criteria: the employee will be allowed to submit the real estate information and the real estate information should be added to the database.

6.5 Test Case 5: Update Real Estate
• Incorrect input: missing a required field of the property.
• Pass criteria: An appropriate error message should be displayed and the employee should not be allowed to update the Real estate.
• Correct input: fill in all required fields in correct format.
• Pass criteria: the real estate information should be updated in the database.

6.6 Test Case 6: Maintain Location information
• Incorrect input: missing the location field.
• Pass criteria: An appropriate error message should be displayed and the manager should not be allowed to add or update the real estate location.
• Correct input: filling the location field.
• Pass criteria: the manager should be directed to the confirmation page.

6.7 Test Case 7:
A. Create new Employee
• Incorrect input: An empty requirement field. (User Name, Password).
• Pass criteria: an appropriate error message should be displayed and the manager should not complete the new account.
• Correct input: fill in all required fields in correct format.
• Pass criteria: the manager should be directed to the confirmation page.

B. Maintain Employee
• Incorrect input: An empty requirement field. (User Name, Password).
• Pass criteria: an appropriate error message should be displayed and the manager should not complete the process.
• Correct input: fill in all required fields in correct format.
• Pass criteria: the employee information should be deleted/updated in the database.

7. Item Pass/ Fail Criteria
The testing of the ORES will be considered pass when the test cases meet the specific requirements in the Vision Document. A fail test is flagged if a test case does not meet the actions mentioned in the document.

8. Suspension Criteria and Resumption Requirements
If a test case failed, the code of its part will be resolved. Testing for the failed test case will resume after the bug has been fixed.

9. Test deliverables
The following artifacts will be produced after the tests are conducted on the ORES:
• Test Plan.
• Test Cases.
• Test Log.

10. Environment Needs
All tests will be done by an Intel machine running Windows XP operating system and using Microsoft Visual Web Developer 2008 with NUnit testing environment.

11. Browser Testing
The system will be tested to make sure it works in both Mozilla Firefox 3 and Internet Explorer7.