

Test Execution

Online Home Search

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1.0 INTRODUCTION

This web-application provides a way for apartment owners or estate agents to add the property details to the system and for prospective tenants to search for houses as per their preferences which include city and, locality or maximum rent or number of rooms in the apartment.

2.0 TESTING STRATEGY

Testing is a set of activities which are decided in advance i.e. before the start of development and organized systematically. Testing strategy steps will define scope of testing, Identify testing type, Document risks. A types of software testing is as follows Unit Testing, Integration Testing, User acceptance testing, Compatibility testing.

Approach	Type of Testing	Manual Testing		Automated Testing on Device	Tools/APIs/Libraries
		Using Device	Using Emulator		
Standard Testing (Functional Testing)	Unit Testing	Yes	No	Yes	Selenium IDE, Google Chrome web browser
	Integration Testing	Yes	No	Yes	
	Acceptance Testing	Yes	No	Yes	
Special Type of Testing to Address Specific Challenge	Compatibility Testing	Yes	No	Yes	

2.1 UNIT TESTING

MODULE/FUNCTIONALITY NAME:	Database connection test
UNIT/CLASS:	Database
CREATED BY:	Deepak Kadam
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	Database	Validate DBMS Connection	JDBC driver should be present	Established	Established	Pass

Execution Status: Completed

MODULE/FUNCTIONALITY NAME:	User Login (Unregistered)
UNIT/CLASS:	Login, login.html
CREATED BY:	Swati Patra
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	Login	Validate user credentials	User should be unregistered	Invalid credentials. Login unsuccessful	Invalid credentials. Login unsuccessful	Pass

Execution Status: Completed

MODULE/FUNCTIONALITY NAME:	User Registration
UNIT/CLASS:	Register, register.html
CREATED BY:	Arisha Chamadiya
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	Register	Register the user credentials to the database	Connection to system should be established	Registration Successful	Registration Successful	Pass

Execution Status: Completed

MODULE/FUNCTIONALITY NAME:	User Login (Registered)
UNIT/CLASS:	Login, login.html
CREATED BY:	Swati Patra
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	Login	Validate user credentials	User should be registered	Login successful	Login successful	Pass

Execution Status: Completed

MODULE/FUNCTIONALITY NAME:	Add property to the system
UNIT/CLASS:	HomeSearch, addProperty.html
CREATED BY:	Arisha Chamadiya
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	addProperty.html	Fill the input fields and submit the details of the property	User should be logged in	Submission successful	Submission Successful	Pass
2	HomeSearch	Get data from addProperty.html and insert into the database	Database connection should be established	Insertion successful	Insertion successful	Pass

Execution Status: Completed

MODULE/FUNCTIONALITY NAME:	Search for apartments
UNIT/CLASS:	SearchApartment, searchProperty.html
CREATED BY:	Deepak Kadam
DATE OF CREATION:	22/09/2019
DATE OF REVIEW:	26/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	searchProperty.html	Fill the input fields and submit the details	User should be logged in	List of available properties or no results found, if not.	List of available properties or no results found, if not.	Pass
2	SearchApartment	Get data from searchProperty.html, retrieve the entries from the database and return the result to the webpage	Database connection should be established	Results from the database	Results from the database	Pass

Execution Status: Completed

2.2 GUI TESTING

MODULE/FUNCTIONALITY NAME:	Testing of webpage GUI
MODULE:	addProperty.html, searchProperty.html
CREATED BY:	Deepak Kadam
DATE OF CREATION:	27/09/2019
DATE OF REVIEW:	28/09/2019

TEST CASE ID	TEST UNIT/CLASS	TEST CASE	PRE-CONDITION	EXPECTED RESULT	ACTUAL RESULT	STATUS (PASS/FAIL)
1	addProperty.html	After pressing the submit button, alert box is displayed showing the relevant message which is dismissed after pressing OK button	All the mandatory input fields should be filled by the user	Submission successful	Submission successful	Pass
2	searchProperty.html	After pressing the Search button, list of available properties is displayed in a table	All the mandatory input fields should be filled by the user	List of properties or No results	List of properties or No results	Pass

Execution Status: Completed

2.3 INTEGRATION TESTING

PROJECT NAME:	Online Home Search
MODULE/FUNCTIONALITY:	Linked Resources Testing
CREATED BY:	Swati Patra
DATE OF CREATION:	29/09/2019
DATE OF REVIEW:	01/10/2019

2.4 USER ACCEPTANCE TESTING

PROJECT NAME:	Online Home Search
MODULE/FUNCTIONALITY:	Validate All Input Fields
CREATED BY:	Arisha Chamadiya
DATE OF CREATION:	02/10/2019
DATE OF REVIEW:	04/10/2019

ID	Test Description	Step #	Test Steps	Exp. Results	#Business Req. Covered	#Functional Req. Covered
1	Validating user personal information text fields	-	1) Send keys to username and password 2) Send action to database for checking	Text field constraints and user credentials are validated	Username and password are being verified using JavaScript	Login credentials has been validated through database

3.0 RESOURCES/ROLES & RESPONSIBILITIES

1. Deepak Kadam – Unit Testing
2. Arisha Chamadiya – GUI Testing
3. Swati Patra – Integration Testing

4.0 TOOLS

- Selenium IDE
- Google Chrome web browser
- MySQL
- HTML-CSS
- JavaScript
- AJAX

5.0 APPROVALS

Ms. R. M. WAHUL