

Assignment Answers

Q1: Real Estate Mobile App

1.1 Missing or Unclear Requirements: Admin Portal

- Search/filtering: Can admins or agents filter/search for specific requests?
- Permissions details: What exactly are the permissions admins can assign to agents?
- Are there notifications when a request is assigned/reassigned?
- Is the single request is assigned to a single agent or more than one agent and if so, what happens if two agents try to update the same request?

Missing or Unclear Requirements: Mobile App

- Authentication/authorization: Is login required to fill in data?
- How is the identity of the user verified?
- After the user submits the form, what happens next? Do they get a confirmation or reference number?

2.1 High-Level Test cases– Admin Portal

TC Title	Expected Results
Add Sales Agent to Group (Happy Case)	Sales agent is successfully added and receives permissions as per group settings
Add Sales Agent to Group (Missing Data)	System shows validation errors ("Agent name is required")
Assign Permission to Sales Agent	Permissions assigned and verified in the agent's access
Assign Invalid Permission	System blocks or displays "Invalid permission" message
View and Edit User Info in Request	User info can be successfully updated
Edit User Info with Invalid Data	System rejects and shows appropriate error
Change Request State (Happy Case)	State changes correctly and is reflected across system
Assign Request to Another Agent	Request reassigned successfully, and both agents' actions are logged
View Audit Log	Log displays full activity history (who, when, what)
Reassign Already Closed Request	System blocks with "Cannot reassign closed request" or similar error

2.2 High-Level Test Scenarios – Mobile Application

TC Title	Expected Results
Submit Buy Request (Happy Path)	Request is submitted, and user gets confirmation
Submit Sell Request (Happy Path)	Sell request submitted, success message shown
Submit Request with Missing Name/Phone	System blocks with a message” please enter all required fields”
Submit Request with Invalid Phone Format	System rejects and shows phone format error
Submit Request While Offline	System shows "No Internet" error
Submit Duplicate Request	System either allows it or flags as duplicate
Request confirmation Email/SMS	User receives notification

3-Recording the Defects Most Likely to Occur in Areas Prone to Errors

-Admin Portal (Web Interface)

Area	Potential Defects
User access (Admin and Sales Agent)	<ul style="list-style-type: none">- Sales agent has access to restricted admin features- Incorrect grouping or inability to assign permissions- Agents viewing/editing data they shouldn't
Reassign Feature	<ul style="list-style-type: none">- Request doesn't update the new sales agent- Notifications not triggered to new assignee- UI not reflecting reassignment correctly
Request management	<ul style="list-style-type: none">- Incorrect request status updates (e.g. Accept Offer doesn't trigger expected backend changes)- Editing user or unit details not saved or incorrectly validated- Misclassification of request states (“No Answer” showing “Accepted”)

-Mobile Application

Area	Potential defects
Connection issue	- App crashes or fails to show error message when offline - Data loss during offline usage
Form submission (Buy OR Sell)	-Data not sent to backend or not saved correctly -Incorrect validation or incomplete data (missing name / phone number)

4- Presenting a Summary of the Test Results

After completing the testing cycle, here is how I would present a clear test summary to the team:

1-Modules Tested: **Admin web interface** (Permissions, Request Management, Audit Logs)
And **Mobile application** (Buy / Sell).

2-Test coverage:

- Percentage of requirements covered by test cases is 90%
- Summarization (Number of test cases Passed / Failed / Blocked)

Test type	Total No. TCs	Passed	Failed	Blocked
Functional	60	50	7	3
UI/UX	20	16	3	1

3-Defects found

Severity	Count
Critical	3
Major	5
Minor	7

4- Issues reoccurred the most:

- permission mismanagement in admin portal
- Invalid phone format accepted in mobile form
- Missing some logs in audit and some were mismatched for some sales agents

5-Risks and recommendations:

- Highlight any uncovered areas due to blocker bugs
- Recommend additional regression testing after fixes

6- Next Steps

- List retesting schedule and potential release impact
- Final go/no-go recommendation based on test results

Q2: API testing

Test Cases:

1-Add a new pet (POST)

Title: Add a new pet to the store

Endpoint: /pet

Expected Result → Status code **200** or **201**, response contains "id":1, "name":"Max", "status": "available"

Actual Result → 200 OK with correct pet object

Pass/Fail → Pass

2- Get Pet by ID (GET)

Endpoint: /pet/{petId}

Expected Result Status code **200**, body returns pet details for given ID

Actual Result → 200 OK with correct pet object

Pass/Fail → Pass

3-Update Pet Details (PUT)

Endpoint: /pet

Expected Result → Status code 200, updated fields are shown in response

Actual Result → 200 OK, shows name= Maxi and status = sold

Pass/Fail → Pass

4-Delete Pet (DELETE)

Endpoint: /pet/{petId}

Expected Result → Status code 200 or 204, message: "Pet deleted" or empty

Actual Result → 404 Not Found

Pass/Fail → Fail