

Testing

| Test caseID | Feature Type | Component | Test Scenario | Expected Result | Actual Result | Status |
|-------------|--------------|-----------|---|--|---|--------|
| HP_TC_001 | UI | Home Page | Verify UI elements in the Home Page | The Home page must be displayed properly | Working as expected | FAIL |
| HP_TC_002 | UI | Home Page | Check if the UI elements are displayed properly in different screen sizes | The Home page must be displayed properly in all sizes | The UI is not displayed properly in screen size 2560 x 1801 and 768 x 630 | FAIL |
| HP_TC_003 | Functional | Home Page | Check if user can upload their file | The input image should be uploaded to the application successfully | Working as expected | PASS |
| HP_TC_004 | Functional | Home Page | Check if user cannot upload unsupported files | The application should not allow user to select a non image file | User is able to upload any file | FAIL |
| HP_TC_005 | Functional | Home Page | Check if the page redirects to the result page once the input is given | The page should redirect to the results page | Working as expected | PASS |

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|-----------|------------|-------------|---|--|--|------|
| BE_TC_001 | Functional | Backend | Check if all the routes are working properly | All the routes should properly work | Working as expected | PASS |
| M_TC_001 | Functional | Model | Check if the model can handle various image sizes | The model should rescale the image and predict the results | Working as expected | PASS |
| M_TC_002 | Functional | Model | Check if the model predicts the digit | The model should predict the number | Working as expected | PASS |
| M_TC_003 | Functional | Model | Check if the model can handle complex input image | The model should predict the number in the complex image | The model fails to identify the digit since the model is not built to handle such data | FAIL |
| RP_TC_001 | UI | Result Page | Verify UI elements in the Result Page | The Result page must be displayed properly | Working as expected | PASS |
| RP_TC_002 | UI | Result Page | Check if the input image is displayed properly | The input image should be displayed properly | The size of the input image exceeds the display container | FAIL |
| RP_TC_003 | UI | Result Page | Check if the result is displayed properly | The result should be displayed properly | Working as expected | PASS |
| RP_TC_004 | UI | Result Page | Check if the other predictions are displayed properly | The other predictions should be displayed properly | Working as expected | PASS |

**USER ACCEPTANCE TESTING
DEFECT ANALYSIS**

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Total |
|----------------|------------|------------|------------|------------|-------|
| By Design | 1 | 0 | 1 | 0 | 2 |
| Duplicate | 0 | 0 | 0 | 0 | 0 |
| External | 0 | 0 | 2 | 0 | 2 |
| Fixed | 4 | 1 | 0 | 1 | 6 |
| Not Reproduced | 0 | 0 | 0 | 1 | 1 |
| Skipped | 0 | 0 | 0 | 1 | 1 |
| Won't Fix | 1 | 0 | 1 | 0 | 2 |
| Total | 6 | 1 | 4 | 3 | 14 |

TEST CASE ANALYSIS

| Section | Total Cases | Not Tested | Fail | Pass |
|---------------------|-------------|------------|------|------|
| Client Application | 10 | 0 | 3 | 7 |
| Security | 2 | 0 | 1 | 1 |
| Performance | 3 | 0 | 1 | 2 |
| Exception Reporting | 2 | 0 | 0 | 2 |

