### 1.1 TEST CASES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **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 | PASS |
| 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 |