**AUTOMATIONFEASIBILITYREPORT**

HACKATHON PROJECT

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| --- | --- | --- | --- |
|  | Prepared By | Reviewed By | Approved By |
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| Role | Entry Level Trainees | Batch Trainer |  |

**AUTOMATION FEASIBILITY:**

The first step in this process needs to be the feasibility analysis. Automation Feasibility analysis in automation testing refers to a checklist on basis of which we can decide that we should proceed with the automation of the test cases or not.

**Automation Feasibility Checklist (AFC):**Automation Feasibility Checklist is used to identify whether the manual test case is feasible for automation or not. The following are the criteria to determine the automation feasibility of the test cases:

**Essential Criteria:**

* Dependencies/Pre-requisites
* Detailed Test steps
* Test Data availability
* Expected results
* Traceability

**Optional Criteria:**

* Subject Matter Expert’s (SME) support
* Duplication of test steps
* Availability of multiple sets of data and Snapshot of AFC

**Benefits of Automation Feasibility Checklist:**

* Reduces the Manual execution effort.
* Improves Automation efficiency.
* Helps to derive effective Manual test cases.
* Control and avoid risks in Automation.

**AUTOMATION FEASIBILIY CHECKLIST MODEL:**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **READINESS CHECK** | **(YES/NO)** |
| 1 | Product Stable? | YES |
| 2 | Any Planned enhancement in near future? | NO |
| 3 | Won't any bug fixes impact major functionalities? | YES |
| 4 | Are the test condition and precondition detailed? | YES |
| 5 | Test case and test data analysis done? | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Verify that page opened is Justdial.com (https://www.justdial.com/) | 1 | YES | YES |
| 2 | Verify that page with Free Listing option appears when Free Listing menu is clicked | 1 | YES | YES |
| 3 | Verify that page with Contacting customer care option appears when Customer care menu is clicked | 1 | YES | YES |
| 4 | Verify that page with JD Social menu option appears when Social menu is clicked | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | To verify the Homepage Title | 1 | YES | YES |
| 2 | To validate the Location filters | 1 | YES | YES |
| 3 | To choose the location | 1 | YES | YES |
| 4 | To verify that the search textbox is clicked | 1 | YES | YES |
| 5 | To verify that the text to be searched is entered in the textbox | 1 | YES | YES |
| 6 | To verify that the search button is clicked | 1 | YES | YES |
| 7 | To verify the title of the page after search button is clicked | 1 | YES | YES |
| 8 | To get the desired search results from the page | 1 | YES | YES |
| 9 | Return to Homepage | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Click Free listing page | 1 | YES | YES |
| 2 | To verify Free Listing page by entering an invalid input in Phone number textbox field | 1 | YES | YES |
| 3 | Click on the submit button | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 4:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Click on The Fitness Link | 1 | YES | YES |
| 2 | Click on the Gym link | 1 | YES | YES |
| 3 | Get the submenu items | 1 | YES | YES |
| 4 | Return to Homepage | 1 | YES | YES |

**AUTOMATION VS MANUAL TESTING:**

|  |  |  |
| --- | --- | --- |
| **TEST PREFERENCES** | **TO AUTOMATE** | **NOT TO AUTOMATE** |
| Are the requirements stable? | YES | YES |
| Does detailed test cases with predictable results available? | YES | YES |
| Tedious and repetitive | YES | YES |
| Non-Repetitive or Ad-hoc tasks | NO | NO |
| High Regression rate and changing | YES | YES |
| Low Regression rate and constant | NO | NO |