**AUTOMATIONFEASIBILITYREPORT**

IDENTIFY COURSES - COURSERA

|  |  |  |  |
| --- | --- | --- | --- |
|  | Prepared By | Reviewed By | Approved By |
| Name | Outsiders | P. Devathilagai |  |
| Role | PATs | Batch Trainer |  |

Automation Feasibility Report

# **AUTOMATION FEASIBILITY**

The first step in this process is feasibility analysis. Automation Feasibility in automation testing refers to a checklist that helps determine whether manual test cases are suitable for automation.

## **Automation Feasibility Checklist (AFC)**

Essential Criteria:

- Dependencies / Pre-requisites

- Detailed Test Steps

- Test Data Availability

- Expected Results

- Traceability

Optional Criteria:

- Subject Matter Expert (SME) Support

- Duplication of Test Steps

- Availability of Multiple Sets of Data

- Snapshot of AFC

## **Benefits of Automation Feasibility Checklist**

- Reduces manual execution effort

- Improves automation efficiency

- Helps derive effective manual test cases

- Controls and avoids risks in automation

## **AUTOMATION FEASIBILITY CHECKLIST MODEL**

|  |  |
| --- | --- |
| READINESS CHECK | YES/NO |
| Product Stable? | YES |
| Any Planned Enhancement in the Near Future? | NO |
| Won't Any Bug Fixes Impact Major Functionalities? | YES |
| Are the Test Conditions and Preconditions Detailed? | YES |
| Test Case and Test Data Analysis Done? | YES |

## **AUTOMATION FEASIBILITY FOR REQUIREMENT – 1**

|  |  |  |  |
| --- | --- | --- | --- |
| FUNCTIONALITY NAME | TEST CASE COUNT | TEST ENVIRONMENT AVAILABLE | POSSIBILITY FOR AUTOMATION |
| Enter “web development” | 1 | YES | YES |
| Validate search button | 1 | YES | YES |

## **AUTOMATION FEASIBILITY FOR REQUIREMENT – 2**

|  |  |  |  |
| --- | --- | --- | --- |
| FUNCTIONALITY NAME | TEST CASE COUNT | TEST ENVIRONMENT AVAILABLE | POSSIBILITY FOR AUTOMATION |
| Enter “web development” | 1 | YES | YES |
| Filter Beginner level and English language | 1 | YES | YES |
| Extract top two results | 1 | YES | YES |

## **AUTOMATION FEASIBILITY FOR REQUIREMENT – 3**

|  |  |  |  |
| --- | --- | --- | --- |
| FUNCTIONALITY NAME | TEST CASE COUNT | TEST ENVIRONMENT AVAILABLE | POSSIBILITY FOR AUTOMATION |
| Navigate to “Language Learning” | 1 | YES | YES |
| Scroll to “Core skills” | 1 | YES | YES |
| Navigate to “Spanish Language” | 1 | YES | YES |
| Capture and print language and level data | 1 | YES | YES |

## **AUTOMATION FEASIBILITY FOR REQUIREMENT – 4**

|  |  |  |  |
| --- | --- | --- | --- |
| FUNCTIONALITY NAME | TEST CASE COUNT | TEST ENVIRONMENT AVAILABLE | POSSIBILITY FOR AUTOMATION |
| Navigate to “Coursera home page” | 1 | YES | YES |
| Navigate to “Enterprise” -> “Campus” | 1 | YES | YES |

## **AUTOMATION FEASIBILITY FOR REQUIREMENT – 5**

|  |  |  |  |
| --- | --- | --- | --- |
| FUNCTIONALITY NAME | TEST CASE COUNT | TEST ENVIRONMENT AVAILABLE | POSSIBILITY FOR AUTOMATION |
| Navigate to “Enterprise” -> “Campus” product page | 1 | YES | YES |
| Fill the form with test data | 1 | YES | YES |
| Capture the error message | 1 | YES | YES |