

**School of Computing**

**SRM IST, Kattankulathur – 603 203**

**Course Code: 18CSC206J**

**Course Name: Software Engineering and Project Management**

|  |  |
| --- | --- |
| **Experiment No** | 11 |
| **Title of Experiment** | Test Cases |
| **Name of the candidate** | Atharva Sohani |
| **Team Members** | Papai Mondal (RA2111028010116),  Dhruv Deshmukh (RA2111028010125) |
| **Register Number** | RA2111028010105 |
| **Date of Experiment** | 20/04/23 |

**Mark Split Up**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Description** | **Maximum Mark** | **Mark Obtained** |
| 1 | Exercise | 5 |  |
| 2 | Viva | 5 |  |
| **Total** | | **10** |  |

#### Staff Signature with date

##### Aim

To develop the test cases manual for the OTT Recommendation System.

**Team Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Register No** | **Name** | **Role** |
| **1** | RA2111028010125 | Dhruv Deshmukh | **Rep** |
| **2** | RA2111028010105 | Atharva Sohani | **Member** |
| **3** | RA2111028010116 | Papai Mondal | **Member** |

**Functional Test Cases**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test**  **ID (#)** | **Test Scenario** | **Test Case** | **Execution Steps** | **Expected Outcome** | **Actual Outcome** | **Status** | **Remarks** |
| 1. | Verify User Registration | Verify mobile number and email through OTP | 1. User clicks on User Registration link 2. Enter the   mobile Number and email ID on the text box   1. Click   Register button | User should be taken to the next page for verification | User registered with his own email and password | Pass | Success |
| 2. | Verify User behind a VPN or Proxy Tunnel | Verify their IP address and match with well- known VPN  Proxy server | 1. While accessing user’s IP address is used to verify automatically in backend | User should be accessed to join meet if passed | User is not behind a VPN or Proxy | Pass/Failure | Success |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3. | User behaviour check | Check chat  box and voice for abusive words or behaviour | Chat box and  voice are gone through AI/ML models to check for behavior | User should  be friendly in meet and should maintain behaviour | User if  disobey the rule, IP address will be stored and will be kicked  out from meet | Pass | Success |
| 4 | User Login Check | Check User ID  password with registered users | Stored data will be checked with input data and authentication is checked | User will be authenticated with the original ID and Password | User most of the time uses weak password to pass | Pass | Success |

**Non-Functional Test Cases**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test**  **ID (#)** | **Test Scenario** | **Test Case** | **Execution Steps** | **Expected Outcome** | **Actual Outcome** | **Status** | **Remarks** |
| 1. | Ensure security | One user should be allowed only one login | Will be checking login semaphore variable to check status | User can’t login in multiple device or multiple session | User needs to login one device at a time. | Pass | Success |
| 2. | Handling traffic on website | Large number of requests should not overload the website | setting update limiter and load balancing fixes the issue | User gets faster access to the website | Users are divided into different servers for balancing sessions | Pass | Success |

##### Manual Test Cases:

|  |  |
| --- | --- |
| Test Area | Input |
| Login Verification | IP address and User details |
| Chatbox AI System | Messages and Spanning |
| Blocking System | Admin Input and different security configuration |

|  |  |  |
| --- | --- | --- |
| **Category** | **Progress Against Plan** | **Status** |
| Functional Testing | Amber | In-Progress |
| Non-Functional Testing | Amber | In-Progress |

|  |  |  |
| --- | --- | --- |
| **Functional** | **Test Case Coverage (%)** | **Status** |
| Login Verification | 30% | In-Progress |
| Recommender AI System | 30% | In-Progress |
| Blocking System | 20% | In-Progress |
| Search System | 10% | In-Progress |
| Notifying System | 10% | In-Progress |

Result:

Thus, the test case manual has been created for the OTT Recommendation System.