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	Papai Mondal
Team Members	Atharva Sohani (RA2111028010105), Dhruv Deshmukh (RA2111028010125)
Register Number	RA2111028010116
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 3. 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.