School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	3
Title of Experiment	System, Functional and Non-Functional Requirements of the Project
Name of the candidate	Papai Mondal
Team Members	Dhruv Deshmukh, Papai Mondal, Atharva Sohani
Register Number	RA2111028010116
Date of Experiment	10/2/2023

Mark Split Up

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

Staff Signature with date

Aim

To identify the system, functional and non-functional requirements for the project.

Team Members:

S No	Register No	Name	Role
1	RA2111028010125	Dhruv Deshmukh	Lead
2	RA2111028010116	Papai Mondal	Member
3	RA2111028010105	Atharva Sohani	Member

Project Title: OTT Recommendation System

System Requirements

Hardware Requirements:

CPU: Dual-core processor or higher

RAM: 2 GB or higher

Storage: 100 MB of available hard disk space

Network: Internet connectivity

Software Requirements:

Operating System: Windows 10 or higher, macOS, or Linux

Web Server: Apache or Nginx

Database: MySQL

Programming Language: Python 3.x or higher

Framework: Flask or Django

Functional Requirements

1. User account creation and login: Users should be able to create their own accounts and log in with their credentials. This will enable the system to store their preferences, reviews and ratings, and recommend movies based on their past interactions.

2. Movie browsing and searching: Users should be able to browse and search for movies based on different parameters like genre, year, actors, and more.

3. Movie rating and review system: Users should be able to rate and review the movies they have watched. This will help the recommendation engine to suggest similar movies.

4. Movie recommendation engine: Based on the user's preferences, past interactions, and ratings, the system should recommend movies that they might like.

5. User profile management: Users should be able to manage their profiles, update their preferences and settings, and view their past interactions with the system.

6. Social media integration: The system should allow users to share their reviews and ratings on social media platforms like Facebook or Twitter, which can help in promoting the system and generating more user engagement.

Non-Functional Requirements

1. Performance: The system should respond quickly to user requests and provide seamless user experience.

2. Usability: The user interface should be intuitive, easy to use, and visually appealing.

3. Security: User data should be kept secure and protected from unauthorized access, tampering or theft.

4. Availability: The system should be available 24/7 without any downtime or interruption.

5. Scalability: The system should be able to handle a large number of users and movies without compromising on its performance or user experience.

6. Reliability: The system should be reliable and be able to recover from failures and errors without losing any data.

Result :

Thus the requirements were identified and accordingly described.