

Synopsis

Project Title

“OTT Website with File Sharing System” using Software Project Management Principles

Project Overview

This project is about creating a web-based OTT platform where users can watch videos, web series, or movies online. Along with streaming, it also includes a **file sharing feature**, so content creators can upload and share media files securely. The goal is to provide a smooth streaming experience while maintaining content safety and user control.

Many platforms only focus on streaming, but this project combines **media watching and secure file sharing** in one system. Users can explore, stream, and download/upload content based on their roles.

Main Features

- Users can sign up and log in securely
- Watch movies, web series, and other videos on the OTT platform
- Upload and share media files
- Admin can manage users, content, and monitor activity
- File sharing with secure access control
- Smooth video streaming with user-friendly UI

Project Methodology

We are using the “Waterfall Model”, completing tasks step-by-step:

1. Requirement Gathering
2. Designing the System
3. Development
4. Testing
5. Deployment

This makes the work clear and easy to manage.

System Overview

. The system allows users to **browse and watch OTT content**, while creators can **upload and share files** securely. Admins control the system. The platform will be kept simple, clean, and safe for all users by following software project management principles.

Tools & Technologies Used

- Frontend: Flash
- Backend: Python
- Database: MySQL
- Storage: Firebase Storage
- Deployment: Vercel, Docker
- Code Editor: Visual Studio Code

Testing Strategy

Unit Testing – Testing small code parts

Integration Testing – Testing connected components

System Testing – Checking the full platform

Black Box Testing – Checking inputs/outputs without seeing code

Limitations

- Only web-based version, no mobile app
- Limited roles (viewer, admin, creator)

Conclusion

This project aims to build a powerful OTT website with an extra file-sharing feature. It is designed using proper software development and project management principles. This system can be expanded in the future for more features like live streaming, mobile app, subscription plans, etc.