

# Internship Project Report

## Social Media Web Application

Internship Program

Project Duration: 22 September 2025 – 22 October 2025

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### 1 Project Overview

The aim of this project is to develop a **Social Media Web Application** with essential features of user interaction and communication. The project will help interns gain hands-on experience in full-stack development, API design, database integration, and real-time communication using WebSockets.

### 2 Project Features

The application must include the following features:

- **Authentication:** User login and signup functionality with secure password handling.
- **User Posts:** Ability to create posts (text and images).
- **Post Interaction:** Users can view posts, like posts, and add comments.
- **Real-Time Chat:** One-to-one and/or group chat functionality using WebSockets for instant communication.
- **API Documentation:** All APIs should be properly documented using **Swagger**.
- **Extra features:** Notification system on social media , user get notified when some like,comment,post their post.

### 3 Submission Guidelines

To ensure smooth collaboration and review, interns must follow these submission instructions:

- Maintain the complete project source code on **GitHub** with a clear and well-structured README file.
- Document all APIs using Swagger. The Swagger UI should be accessible for testing.
- Ensure proper commit messages and maintain a clean repository structure.
- The final submission must include:
  - Source code hosted on GitHub.
  - Swagger API documentation.
  - Ensure the repository is well-documented with: – README file containing project overview and project details

## 4 Project Timeline

- **Project Start Date:** 22 September 2025
- **Submission Deadline:** 22 October 2025

## 5 Evaluation Criteria

The project will be evaluated based on:

- **Functionality:** Implementation of all mentioned features.
- **Code Quality:** Clean, modular, and well-documented code.
- **API Documentation:** Proper use of Swagger for all APIs.
- **GitHub Repository:** Proper structure, meaningful commits, and clear instructions.
- **Project Report:** Final project Report and explanation.

## 6 Certification

On successful completion and review of the project, interns will be awarded a **Certificate of Completion**. Only projects submitted before the deadline and adhering to the above guidelines will be considered for certification.

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*This project report serves as the official guideline for the Internship Project.*