

# Final Project Submission

Web Development Society, MNNIT Allahabad

## General Guidelines

- You are expected to develop a website from one of the provided Problem Statements as the final project for your Web Development Society Classes.
- A team can comprise of a maximum of 3 people.
- Websites that are of the expected quality will be hosted in the college network to be used by all the students of MNNIT.
- The judging criteria will be:
  - Maximum focus on backend design
  - Code organization
  - Database organisation
  - Scalability of the project
  - Code Portability
  - Documentation (proper comments)
- Simplicity and cleanliness are encouraged for the front-end design.
- Use of plug-ins is encouraged, though we want you to be familiar with its implementation. Also make sure that the plug-ins are not querying other scripts on the internet. Try to host the entire code of the plug-in locally to ensure that the website runs properly even without the Internet. This is applicable for the entire website unless you are using an API, in which case this guideline can be neglected.
- A modular design for your website is highly advised (e.g. use of functions to perform repeated tasks).
- The use of various frameworks and CMS are not allowed. Templates are also not allowed.
- The use of libraries such as Bootstrap and jQuery are encouraged. The use of GitHub is also encouraged.
- Try to design the web-pages to be as responsive as possible (e.g. adaptive to various screen sizes, adjusting font sizes).
- If the project work is found to be plagiarised, then it would lead to immediate disqualification

# Mnnit Forums

## Abstract

Have you ever felt the need for discussion forums in the college where students can discuss the issues pertaining to the college, juniors can ask for advice, various societies(cultural and technical) can post regular updates regarding their activities. If so then this is the chance for you to fulfil that need by designing a general discussion portal exclusively for MNNIT Allahabad.

## Core Features

- Separate accounts for all users with each user to have the privilege to start a new thread (thereby being the admin for the thread). Only the admin can approve people to be added to a thread.
- Users can subscribe to any thread(to be approved by admin).
- On logging the user is updated with all the latest posts in their subscribed threads.
- Privacy Settings for the Threads(to be set by the admin) :
  1. Open - Unsubscribed users can read the discussions as well as post their own comments.
  2. Closed - Unsubscribed users can read the discussions, but cannot post their own comments.
  3. Private - Only subscribed users can read the thread discussions.
- Admin Posts should be highlighted.

## Extra Features

- Posts can include images (and other file formats like .zip,.pdf) as attachments.
- Upvote/Downvote Feature for all posts.
- Facebook Login for Users (Using API).
- You can add any feature of your own too.

# Chat Who?

## Abstract

Aim of this project is to design chat-based web application using PHP Web Sockets. Users can privately chat with any other online user, wherein their identity will be kept anonymous.

## Core Features

- A user who logs in will pick a temporary handle name valid only for the session.
- Users can start an anonymous private chat with any online user.
- Chat messages should be flooded automatically without refreshing the chat pages using **PHP Web Sockets** .
- Minimal data should be stored in the database. All of the features have to be handled at the client side.
- The chat messenger should have an list of emoticons and gifs to make the application user friendly and interesting.

## Extra Features

- Option to save the chat session locally.
- File Sharing in chat session (limited size).
- You can add any feature of your own too.

# Our own OLX!!

## Abstract

Seniors passing out of final year often have a lot of useful stuff that they are often forced to throw away. Even second years need to sell their bikes to juniors each year. The aim is to develop a website like OLX, Quickr that facilitates Second Hand product buying and selling among users.

## Core Features

- Users are supposed to provide their name, hosel and room number during registration.
- Users can put up items for sale by providing the item details(eg. years used,present condition,asking price), images of the item.
- All the interested users should have an option to bid for the product.
- The seller should be notified with the details of all interested buyers
- The website should provide proper method for the buyer and seller to meet physically to complete the sale.

## Extra Features

- You can add any feature of your own too.

# Book Worm's Paradise

## Abstract

To all the budding web developers out there, if you are a book worm then developing this website should be primary aim. The website should contain a list of books from various categories/genres, wherein users can write their reviews and rate the books.

## Core Features

- Feature to add Books by ISBN or Name(manually with all details like title,author,synopsis,cover and genre) by users.
- Users can mark a book as Read, Reading or Want to Read.
- All books marked as want to read will be added to the user's wishlist.
- Users can rate and review books only if they have marked the book as Read.

## Extra Features

- You can design a recommendation system to suggest books to the users based on the users personal reading interests.
- You can add any feature of your own too.

# ¡Surprise Us!

You can design and develop any website based on your own idea. You are required to discuss the details of your idea and implementation strategies with the seniors during the Web Development Classes.