

# CTF Web Platform – Project UI & Feature Plan

## Project Overview

This project is a Capture The Flag (CTF) competition platform with user accounts, challenges, scoring, and admin controls. Users solve challenges and submit flags to earn points. Admins can manage challenges, users, and scoreboard settings.

## User Roles

Guest: View homepage and general info.

User: Login, solve challenges, submit flags, view scoreboard.

Admin: Add/edit/delete challenges, manage users, view analytics.

## Main Modules

- Home Page
- Authentication (Login/Registration)
- User Dashboard
- Challenges (Multiple Categories)
- Scoreboard
- User Settings
- Admin Dashboard and Control Panel

## Challenge Categories

Audio  
Car Forensics  
Flag Capture  
Hashing & Reverse  
House of Secrets  
Images (Steganography)  
Location Based  
Login Bypass  
Logo Analysis  
Encoded Messages  
Morse Code  
QR Code / Barcode