

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