Part 1: User Stories

Professor Role

User Story: As a professor, I want to generate a unique code for each class session, so that my students can log in to verify their attendance.
Benefit: This ensures that only students attending the particular session can mark their attendance.
Student Role (Code Entry)

User Story: As a student, I want to enter the provided code on the attendance platform, so that my presence for the session is logged and acknowledged.
Benefit: This provides an efficient and digital way for students to confirm their attendance without manual roll calls.
System Role (IP Check)

User Story: As the attendance system, I want to check the IP address of the student when they log in, so that I can verify the authenticity of the student's location.
Benefit: This adds an additional layer of verification, ensuring students are genuinely attending from a legitimate location.

```
┌─────────────────────────┐
│      Design 00\         │
│  High-Level Overview    │
└─────────────────────────┘
             │
             ▼
┌─────────────────────────┐
│       Login info        │
│                         │
└─────────────────────────┘
             │
             ▼
┌─────────────────────────┐
│    User: Student/       │
│      Professor          │
└─────────────────────────┘
             │
             ▼
┌─────────────────────────┐
│      Attendance         │
│     Verification        │
│       System            │
└─────────────────────────┘
```

Design 01

Login: Student or Professor

login info

Verification

User info check system

Match

Match

Professor's Homepage

Student's homepage

Attendance Code Setup

Attendance Code

Attandance Confirmation

Attendacne Status

Attendance Verification System

Design 02

User login info

User info check system

Current IP Address

Location Access Request

Camera Access

IP checker

Facial Recognition

Location Verifier

On Campus Status

Face Match Status

On campus Location Status

Student's homepage