SPRING 2023-2024  
SE112 – INTRODUCTION TO SOFTWARE ENGINEERING

Class Attendance System

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# Project Proposal

**CLASS ATTENDANCE SYSTEM**

**Project/Problem Description:** The aim of this project is to creating a system that allows the instructer to see who participate in the class safe and accurate. For this instance, system through image processing will be developed. Class Attendance system is a image processing based application designed for the use of all kinds of instructers. The data base on this system will contain student details (id number, name, surname, photograph). System will automatically detect the student and will update the data system. Users can see or search for all the details about the person in an efficent and consistant way. The system will show the users most absent student at that time. Image processing and ChatGPT will be used to develop this project. We’ll collect the data using Image processing through camera located in the classroom; ChatGPT for the student who changed their looks, ChatGPT will put them in to a list for instructor to give authorization for.

# 2. Project Management

## 2.1 Project Plan

## 2.2 Risk Plan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Likelihood | Consequences | | | | |
|  | Insignificant | Minor | Moderate | Major | Catastrophic |
| Almost Certain |  |  | If he’s/she’s  wearing a  mask |  |  |
| Likely |  |  |  |  |  |
| Moderate | Users may  run out of  battery |  |  |  | The system  may mistake  similar people  for the same looks |
| Rare |  |  |  |  | Outdated data on the system |
| Never |  |  |  |  |  |

High Risk, Significant Risk, Moderate Risk, Low Risk

Plan B for the “Outdated data on the system”

System may directly connect to the schools own system