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

## A screenshot of a computer Description automatically generated2.1 Project Plan

## 2.2 Risk Plan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Likelihood | Consequences | | | |
|  | Insignificant | Acceptable | Significant | Destructive |
| High |  |  |  |  |
| Medium |  |  | The components are used in the system can’t process as many as transactions per second as expected. | The underlying technology on which the system is built is superseded by new technology. |
| Low |  |  |  |  |

Very Effective, Effective, Ineffective

* Plan B for the “The underlying technology on which the system is built is superseded by new technology.”

Add a “Update” period lasts 21 days to keep up with the current technology.

* Plan B for the “The components are used in the system can’t process as many as transactions per second as expected.”

Use the reserved resources to upgrade the current hardware and current components.