CSE 2101 Assignment#1

Course Code: CSE 2101

Course Title: Software Engineering

Due Date: 27th October,2022

Date Submitted: 27th October,2022

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Introduction

The aim of this project is to devise a digitized database for St. Stanislaus College, which will provide effective and efficient management of student's information. Potential difficulties may include acquisition of funds for appropriate software about hardware devices, coordinating appropriate meeting times for members of project and proper workload distribution due to current lack of project members.

Project organization

Timothy Paul will be in charge of requirement analyses and system testing, Ezekiel Dublin will be in charge of design and implementation and Christopher Michael Iles will be in charge of integration, and error correction and helping with system testing.

Risk analysis

Risk	Probability	Effect
Security risk – Chance that someone not involved tries to access project	Moderate	Serious
Hardware failure- Chance that equipment for any reason stops functioning and causes loss of data and progress	Moderate	Catastrophic
Personnel Unavailable- some in the project falls ill or becomes unavailable	Moderate	Serious
Underestimate workload- Due to current available members we may underestimate the amount of work we need to do.	High	Serious
Application underperforming- the possibility the chosen application	Low	Tolerable

Risk Mediation

Security risk- Use changing passwords that only member of the project knows.

Hardware failure- Keep backups on several devices of the of the entire project.

Personnel Unavailable- Store project on the cloud-based storage so every one has access to it.

Underestimate workload – Acquire more project members

Application underperforming- Find more appropriate software or attempt to find work arounds.
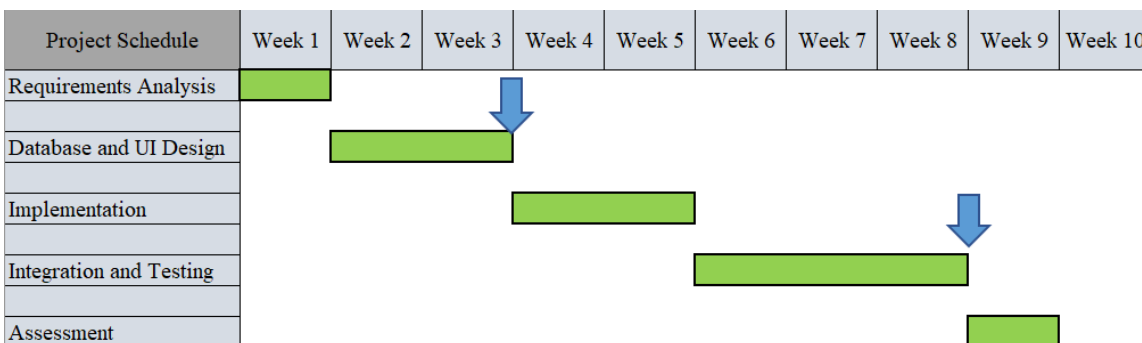
Hardware and software requirements

Database Management System- Microsoft access was selected for this project because you can easily add, remove, sort or search for data in a table and it allows you to lock databases to prevent unauthorized access.

Computer- is required to run Microsoft Access and store information.

Work breakdown

Project has been broken into several parts in namely requirement analysis, database and UI design, implementation, integration and testing and assessment. The major milestones will be when the first database and Ui are designed, this will also be a deliverable for the end-users so they can see what b\the system looks like, another milestone would be the creation and integration of the system and another deliverable will be the when the implementation has been completed.

Project schedule: Gannt Chart

Project Schedule	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Requirements Analysis										
Database and UI Design										
Implementation										
Integration and Testing										
Assessment										

Key

Major Milestone

Task