Software Proposal Document for project ......

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April 1, 2021

Table 1: Document version history

Proposal Version	Date	Reason for Change
1.0	25-April-2021	Proposal First version's specifications are defined
1.1	28-April-2021	System description updated

GitHub: ....

Abstract

The main idea of this project is to .... (Word Limit 200)

1 Introduction

The following is a sample outline for MIU SE305 and CSC341 project proposal.

1.1 Background

Please describe the big domain for your problem then focus on some area inside this domain that match your interest. (Word Limit 200)

1.2 Problem Statement

Please put a focus on 1-2 challenges that this project aims to solve and state them very clear as your formal problem statement.

1.3 Motivation

Discuss the business needs for your project.
For this section consider answering the following questions:

1. Why is this problem interesting?

2. When and why does the problem occur?

3. What is the most current/successful solutions available now?

4. What are the possible improvements to current solutions?

2 Project Description

Give a brief overview of your proposed project then list the initial requirements. A good requirement states something that is **necessary**, **verifiable**, and **attainable**. Even if it is verifiable and attainable if it is not necessary, it is not a good requirement [1–3].

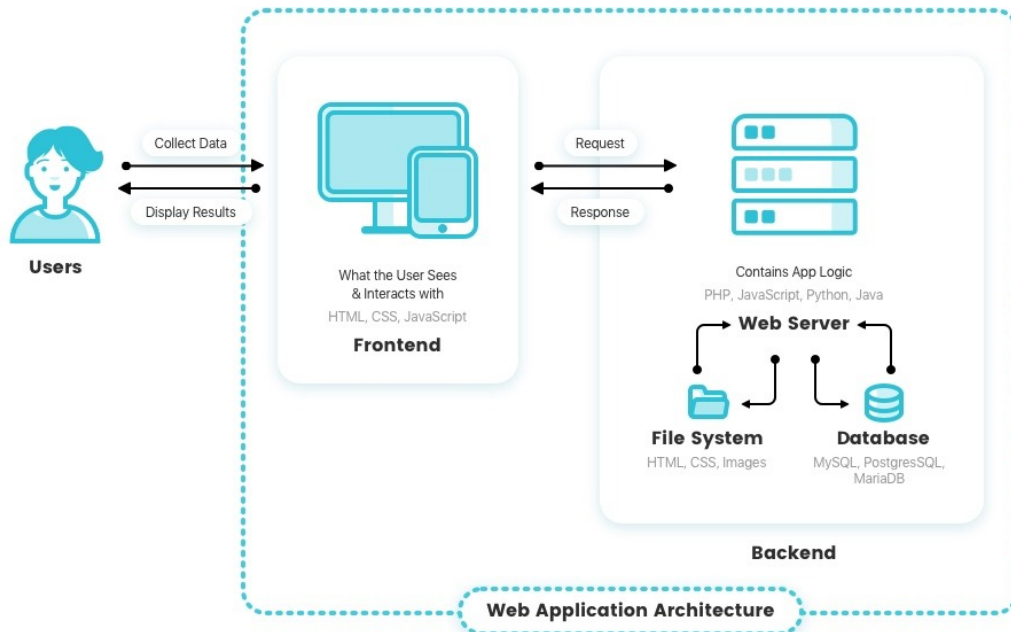Use a figure such as in figure 1 to show the proposed system.

Figure 1: web application architecture

2.1   Objectives

Write as a minimum three statements that describe the "what" of your project.
The concrete and measurable "what".
Aim to use the specific, measurable, assignable, realistic, and time-related (SMART) method for writing effective Objectives. Examples of good Objectives:

- To reduce the number of clicks it takes for a user to reach the highest traffic page that the majority of our website users regularly visit (the member directory) from any point on the site to 2 clicks or less by the end of our design phase on June 1st.

- To write the SRS document to meet with IEEE 830-1998 standard. SRS document will be delivered by April 2021.

2.2   Stakeholder

2.2.1   Internal

State who is the team leader. list all team members with their responsibilities

2.2.2   External

State who are the End Users and clients

3   Similar System

3.1   Academic

List down at least 1 paper from ACM or IEEE for similar work experience in the domain of your problem. Be sure that each paper you list include the following points

1. The main problem statement of the work.

2. How the researchers contributed to solve the problem

3. The dataset used by the researchers

4. What main results the researchers reach.

5. Criticize the paper

6. Figure/s of the work (if available)

3.2   Business Applications

Describe available business applications in the market with figures.

4   Project Management and Deliverables

4.1   Deliverables

- What will the project produce? (program, reports, etc.)

- Describe in brief detail the features of each deliverable.

4.2   Tasks and Time Plan

Use Trello to create a time plan showing tasks and which team member is assigned to it of your project.
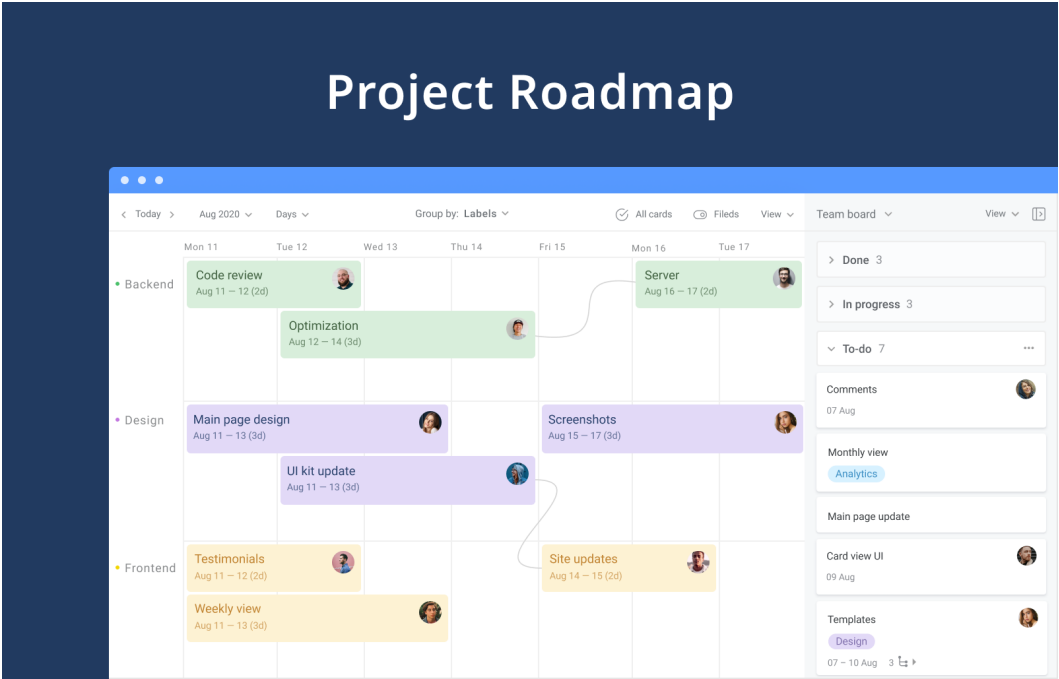

Figure 2: Project time plan

References

[1] Ivy Hooks. "Writing good requirements". In: *INCOSE International Symposium*. Vol. 4. 1. Wiley Online Library. 1994, pp. 1247–1253.

[2] IEEE Computer Society. Software Engineering Standards Committee and IEEE-SA Standards Board. *Ieee recommended practice for software requirements specifications*. Vol. 830. 1998. IEEE, 1998.

[3] Eric Knauss and Christian El Boustani. "Assessing the quality of software requirements specifications". In: *2008 16th IEEE International Requirements Engineering Conference*. IEEE. 2008, pp. 341–342.