

**Project Report -WBL TRACK**

**TITLE**

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SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

**BACHELOR OF COMPUTER SCIENCE (HONS)**

**MARCH 2021 [PART 1]**

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# Acknowledgement

Two to three paragraph

# Abstract

In this document,

Contents(Edit according to Project)

[Acknowledgement 2](#_Toc130200264)

[Abstract 3](#_Toc130200265)

[Chapter 1: Project Context and Initiation 5](#_Toc130200266)

[1.1 Project background 5](#_Toc130200267)

[1.2 Problem statement 5](#_Toc130200268)

[1.4 Stakeholders 5](#_Toc130200269)

[1.5 Project scope 6](#_Toc130200270)

[1.6 Risk management 6](#_Toc130200271)

[1.7 Work Breakdown structure 7](#_Toc130200272)

[1.8 Activity list (edit) 8](#_Toc130200273)

[1.9 Project scheduling 11](#_Toc130200274)

[Chapter 2: Literature Review 12](#_Toc130200275)

[2.0 Introduction 12](#_Toc130200276)

[2.1 Technology 12](#_Toc130200277)

[2.1.1 Implementation Language 12](#_Toc130200278)

[2.2 Architecture 13](#_Toc130200279)

[2.3 Domain Research 13](#_Toc130200280)

[2.4 Similar Implemented System 13](#_Toc130200281)

[Chapter 3: System Analysis 14](#_Toc130200282)

[3.1 Proposed System 14](#_Toc130200283)

[3.2 Use Case diagram 14](#_Toc130200284)

[3.4 SWOT Analysis 14](#_Toc130200285)

[3.5 Suitability of the Programming Language to the Requirements 14](#_Toc130200286)

[Chapter 4: System Design 15](#_Toc130200287)

[4.1 Interface Design 15](#_Toc130200288)

# Chapter 1: Project Context and Initiation

## 1.1 Project background

Content management systems enable many

## 1.2 Problem statement

The project aims to

**1.3 Project objectives**

## 1.4 Stakeholders

The figure shown below

.

|  |  |  |
| --- | --- | --- |
| Stakeholders | Roles | Responsibilities |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |
|  |  |

Table 1.1:

## 1.5 Project scope

## 1.6 Risk management

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 1.2: Possible Risk

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Table 1.3: Risk Response Plan

## 1.7 Work Breakdown structure

Initiation of Project

Literature Review

Planning of System Design

Execution of System Development

System Testing

Documentation

## 1.8 Activity list (edit)

1.1Project Initiation

* 1. Idea Brainstorm
     1. Study on Topic ‘Content Management System’
     2. Identify problem statements
     3. Analyze problem statements
     4. Identify and analyze client requirements
  2. Project Proposal
     1. Determine project title
     2. Determine stakeholders
     3. Examine the problem’s objectives
     4. Determine the project’s objectives
     5. Establish assumptions
     6. Create a project summary
     7. Determine the scope of the project
     8. Create project milestones and deliverables
     9. Create an executive summary
  3. Delegation of Tasks
     1. Construct a work breakdown structure
     2. Create an activity list
     3. Workload distribution to team members

1. Literature Review
   1. Define Problems
      1. Study on the problem areas
   2. Similar Systems
      1. Identify similarly implemented systems
      2. Study through the implemented systems
   3. Implementation Technologies
      1. Identify technologies for implementation
      2. Study on technologies for implementation
      3. Finalize technology stack
   4. Framework
      1. Identify suitable frameworks for development
      2. Study on suitable frameworks for development
      3. Finalize frameworks for development
2. System Design
   1. Frontend
      1. Create UI design and assets
      2. Finalize UI design and assets
   2. Backend
      1. Create an entity-relationship diagram
      2. Develop a proposed system workflow
      3. Create an UML class diagram
      4. Create an UML state chart diagram
      5. Create a data flow diagram
      6. Create a sequence diagram
      7. Develop initial pseudocode/flowchart
   3. Test Plan
      1. Develop testing plan (unit testing)
      2. Create test scenarios
3. System Development (Execution)
   1. Frontend
      1. Translate prototype design into code
      2. Carry out web portal implementation
   2. Backend
      1. Carry out database setup and implementation
      2. Carry out web portal implementation
      3. Carry out third-party API integrations
   3. Unit Testing
      1. Build unit tests with chosen framework
4. System Testing
   1. Unit Testing
      1. Execute previously built unit testing packages
   2. Integration Testing
      1. Ensure that API integrations are working as intended
   3. Other testing
      1. Ensure that all test scenarios are functional and valid
5. Documentation
   1. Implementation
      1. Complete the report
      2. Finalize the report
   2. User Manual
      1. Create a user manual
      2. Finalize the user manual

## 1.9 Project scheduling

|  |  |  |
| --- | --- | --- |
| Sprint | Task Name | Explanation |
|  |  |  |
|  |  |  |
|  |  |  |

Table 1.4: Sprints and tasks

# Chapter 2: Literature Review

## 2.0 Introduction

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## 2.1 Technology

Figure 2.0: Simple technology stack’s overview

### 2.1.1 Implementation Language

Table 2.1: Comparison between WordPress, Joomla, and Drupal

## 2.2 Architecture

## 2.3 Domain Research

## 2.4 Similar Implemented System

# Chapter 3: System Analysis

## 3.1 Proposed System

Figure 3.0: System architecture of proposed system

## 3.2 Use Case diagram

Figure 3.1: Use Case Diagram

**3.3 Use Case Specification**

Table 3.0: Use Case Specification of the CMS

## 3.4 SWOT Analysis

Table 3.1: SWOT analysis

## 3.5 Suitability of the Programming Language to the Requirements

# Chapter 4: System Design

## 4.1 Interface Design

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Description automatically generated]()**Appendix (Project Log Sheets)**