

PROJECT CONTENT

Chapter 1: Introduction

Problem Statement

Aim of the project

Specific Objectives of the project

Justification of project

Motivation for undertaking Project

Scope of project

Project limitations

Beneficiaries of the project

Academic and practical relevance of the project

Project activity planning and schedules

Structure of report

Project Deliverables

Chapter 2: Review of related works / Review of similar systems

Processes of the existing system (i.e. System Features, Pros and Cons of existing related systems)

The proposed system

Conceptual Design

Architecture of the proposed system

Components Designs and Components descriptions.

(The writeup on the Components should present detailed descriptions of how each of the components in your Architectural Design works or functions. For example, the algorithms).

Note that the detailed algorithms will be presented in chapter 4. So just a writeup of how each of you Components in your architectural design works is required here supported with Diagrams of each of the Components where required.

Proposed system/software features

Development tools and environment (a brief write up about the tools and environment to be used for the project implementation)

Benefits of implementation of the proposed system

Chapter 3: Methodology

Chapter Overview

Requirement specification

Stake holders of system

Requirement Gathering process

Functional requirements

UML Diagrams

(The UML Diagrams should present all the Diagrams as possible (Use case, Activity, Sequence, Class Diagrams) at least.). For example;

Use case diagram for the front-end models

Use case diagrams for the back- end models

USE CASE DESCRIPTION for each USE CASE DIAGRAM you present in your documentation.

The USE CASE DESCRIPTION should describe the role of each of the actors in your use case Diagrams. And should also give a description of each of the USE CASES.

Non – functional requirements

Security concepts

(The security concepts only apply if your system has security requirements or issues). The security concepts must be clearly described of how your system addresses security issues of the system.

In addition, all Non-Functional requirements of your system must be stated with justifications.

Project methods (either agile or plan driven)

The various software process models

(You do not need to describe all the software process models in detail. Just a brief description of each. Then focus on your chosen model with more details and give the justifications for your choice)

Chosen model and justification

PROJECT DESIGN CONSIDERATION (LOGICAL DESIGNS)

UI Design

* the UI Designs are your wire frames of the UI.

DB Design

* The DB Design are your E-R DIAGRAMS and your DB SCHEMA's

Note: The DB applies depending on your project. If you did not use DB, you don't have to include it.

Developmental tools

(The development tools in chapter 3 should present a more detailed description of how you use each of the tools you presented in chapter 2 in your methodology)

Chapter 4: IMPLEMENTATION AND RESULTS

Chapter Overview

Mapping logical design onto physical platform (this entails the algorithm for implementing UI, flowchart diagram, algorithm for implementation of database development flowchart diagram)

Construction (snippet code of the system logic, screenshots of the system)

Testing

Testing plan

--components testing (algorithm for testing UI, algorithm for testing DB)

--system testing (algorithm for verification testing, and algorithm for validation testing)

Results

Chapter 5: FINDINGS AND CONCLUSION

Chapter Overview

Findings

Conclusions

Challenges/ limitations of the system

Lesson learnt

Recommendations for future works

Recommendations for project commercialization

References