Contents of the Analysis and Design Document (ADD) for CSE497

This document is the continuation of the project specification document (PSD) and it aims to present analysis and design of the project. The document should include following sections based on the category of the project: *Software-Oriented* or *Academic-Oriented*. Note that the category of the project will be determined by your advisor.

The layout of the Document for a Software-Oriented Project

Title Page

1. Introduction
    - 1.1 Problem Description and Motivation (revised from PSD)
    - 1.2 Scope of the Project (revised from PSD)
    - 1.3 Definitions, acronyms, and abbreviations
2. Literature Survey (revised from PSD)
3. Project Requirements
    - 3.1 Functional Requirements
    - 3.2 Nonfunctional Requirements
4. System Design
    - 4.1 UML Use case Diagram(s) for the main use cases
    - 4.2 UML Class and/or Database ER diagram(s)
    - 4.3 User Interface (Preliminary version)
    - 4.4 Test Plan
5. Software Architecture (main aspects of data flow/control flow/modular design)
6. Tasks Accomplished
    - 6.1 Current state of the project (implementation and preliminary results)
    - 6.2 Task Log (information about meetings and activities, including date, short description and hours)
    - 6.3 Task Plan with Milestones (clear and well-defined descriptions of the work that must be completed before predetermined check points, illustrated by Gantt chart)
7. References

The layout of the Document for an Academic-Oriented Project

Title Page

1. Introduction
    - 1.1 Problem Description and Motivation (revised from PSD)
    - 1.2 Scope of the Project (revised from PSD)
    - 1.3 Definitions, acronyms, and abbreviations
2. Related Work (Comprehensive literature survey to present state-of-the art methods/algorithms)
3. System Design
    - 3.1 System Model
    - 3.2 Flowchart and/or pseudo code of proposed algorithms
    - 3.3 Comparison metrics (provide detailed explanation)
    - 3.4 Data sets or benchmarks (provide detailed explanation)
4. System Architecture (main aspects of data flow/control flow)
5. Experimental Study (draft version to summarize details of the experiments)
6. Tasks Accomplished
    - 6.1 Current state of the project (implementation and preliminary results)
    - 6.2 Task Log (information about meetings and activities, including date, short description and hours)
    - 6.3 Task Plan with Milestones (clear and well-defined descriptions of the work that must be completed before predetermined check points, illustrated by Gantt chart)
7. References