

CS 459: Software Engineering Senior Project

Spring 2025

Detailed Design Documentation

Project Title	HCAR Client Database
Sponsoring Company	Humboldt Community Access and Resource Center
Sponsor(s)	Pennie Lee, Kim Nash, Wes Patterson
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ABSTRACT

- brief summary of the entire document

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LIST OF TABLES

INTRODUCTION

- introduction to the entire document
- purpose and scope of the document
- description of the structure of the document

GUI (Graphical User Interface) Design

- screen designs (hand-drawn, coded, or using a drawing tool)

STATIC MODEL

CLASS DIAGRAMS

DYNAMIC MODEL

SEQUENCE DIAGRAMS

RATIONALE FOR YOUR DETAILED DESIGN MODEL

- Design Patterns

TRACEABILITY FROM REQUIREMENTS TO DETAILED DESIGN MODEL

- provide a mapping between requirements (user story or use case) and detailed design model (your classes/diagrams)
- clearly describe how each requirement (user story or use case) in the *Requirements Documentation* is captured in the design (your classes/diagrams)

EVIDENCE THE DESIGN MODEL HAS BEEN PLACED UNDER CONFIGURATION MANAGEMENT

ENGINEERING STANDARDS AND MULTIPLE CONSTRAINTS

- students should work with their project sponsor(s) to identify all the standards and constraints that should be applied for preparing this document

ADDITIONAL REFERENCES

- include other related references that are not included the section above