

Design Document for Quarters

Team 6

James Anthony (anthonjb)

Wenqiang Chen (chenw25)

Carolyn Chong (chongce)

Kevin Ly (lyk2)

January 6, 2016

Contents

Revision History

Date	Comments
January 5, 2016	Created first draft.

1 Introduction and Overview

includes a clear statement of what design principle(s) is (are) being used, the source of the template being followed explanation of document structure. Explanation of template, symbols and conventions use

2 Connection between requirements and design

what design decisions needed to be made to realize the requirements for instance, if there are security NFRs, what decision is made on how to do this password protection?

3 Anticipated Changes

- 1.

4 Unlikely Changes

- 1.

- 5 **Decomposition into Components**
- 6 Uses hierarchy, or control flow diagram, or inheritance graph
- 7 Traceability from requirements to design components
- 8 Traceability for anticipated changes to components
- 9 **Error Handling**
- 10 User interface elements descriptions
- 11 Overview of key algorithms
- 12 Relational database structure
- 13 Communication protocols specified
- 14 Description of each component, or UI element, or database table
- 15 **Development Details**

Languages of implementation

- NodeJS [1]
- PostgreSQL [2]
- Jade [3]

Supporting frameworks

- Bootstrap [4]
- ExpressJS [5]

Supporting technology

- Ubuntu Server [6]

16 **GanttProject** shows a detailed project schedule

17 **Pert** chart shows dependencies

18 **References**

[1] [link](#)

[2] [link](#)