Design Document for <PROJECT>

Authors, Version, Date
Revision History

1. Purpose

Describe the purpose of this document.
(1 paragraph)

2. Class Diagram

Add one or more class diagrams of your API.
(1-2 pages)

3. Architectural design

This section should provide an overview of how the functionality of the system was partitioned and then assigned to subsystems or components. Describe how the system was broken down into its components/subsystems (identifying each top-level component/subsystem and the roles/responsibilities assigned to it).
(0.5-1 page, including diagram)

3.1 Component-level design

Some components described in the parent section will require a more detailed discussion. Describe their responsibilities, purpose, and any constraints.
(0.5-1 page)

3.2 Design patterns

Identify any design patterns, either in describing parts of the architecture, or by referring to elements of the architecture that employ them.
(0.5-1 page)

3.3 Discussion

Describe why you designed your system as presented. Discuss your design with respect to usabilty, testability and extensibility. Identify any likely extensions to your system.
(0.5-1 page)

4. Post-Design changes

This section has to be added during the implementation phase. If you make changes to the API, describe them here and explain why you had to make the change.