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 usability, 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.