# System Design

[*Include a short (1-2 sentences) statement about system design*.]

## System Architecture <Milestone #2: System Architecture>

[*A short description of the system architecture.*]

### Component Design

[*Insert image of system architecture component diagram.*]

[*Architecture overview, to include user I/O, external data sources, and major system components.*]

### Data Flow

[*Insert image of system architecture data flow diagram.*]

[*Architecture data flow discussion: a high-level description of the data between both internal major components and external data sources.*]

## Project Plan

### System Architecture Design and Development Milestone #1: Project Proposal & Milestone 2: Architecture

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Activity** | **Pre #** | **Estimated**  **Effort** | **Actual**  **Effort** | **Estimated**  **Start Date** | **Estimated**  **Finish Date** | **Actual**  **Start Date** | **Actual**  **Finish Date** |
| 1 | Design the System Architecture | 0 | 5 | 3 | 2/8/2022 | 2/10/2022 | 2/11/2022 | 2/12/2022 |
| 2 | Capture the Component Diagram in Enterprise Architect | 1 | 10 | 6 | 2/10/2022 | 2/18/2022 | 2/13/2022 | 2/18/2022 |
| 3 | Fill out the project milestone template to finalize submission | 2 | 2 | 2 | 2/18/2022 | 2/20/2022 | 2/18/2022 | 2/21/2022 |

### System Implementation <Milestone 2: Architecture & Milestone 3: System Implementation>

[Milestone 2 (Architecture): The Project Plan WBS provides a list of activities/tasks to be undertaken to complete Milestone 3 (System Implementation). The WBS activity chart should include task dependencies, estimated level of effort, and expected start and completion dates.

Milestone 3 (System Implementation): The WBS activity chart for the milestone should be updated to include actual level of effort and start and completion dates.]

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| **#** | **Activity** | **Pre #** | **Estimated**  **Effort** | **Actual**  **Effort** | **Estimated**  **Start Date** | **Estimated**  **Finish Date** | **Actual**  **Start Date** | **Actual**  **Finish Date** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |