**Architecture and Detailed Design Specification Template**

# Revision History

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| --- | --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Approver** | **Comments** |
| <date> | <Version 1> | <Your Name> | <Approver’s Name> | <First Revision> |
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# Document Approval

The following Software Requirements Specification has been accepted and approved by the following:

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| --- | --- | --- | --- |
| **Signature** | **Printed Name** | **Title** | **Date** |
|  | <Your Name> | Lead Software Eng. |  |
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# 1.0 Architectural and component-level design

A description of the program architecture is presented.

# 2.0 System Structure

A detailed description the system structure chosen for the application is presented.

## **2.1 Architecture diagram**

A pictorial representation, of the architecture is presented. If it’s an extension of an existing software, then ensure that the existing software architecture along with the new components which are being built/modified are articulated clearly and explicitly in this diagram

## **2.2 Description for Component**

A detailed description of each software components (newly added or  
 modifies) as contained within the software architecture above.

## **2.3 Interaction Diagrams**

Diagrams showing interactions for each use case is presented.

## **2.4 Describe usage scenarios and how you would test that**

Typically this is not part of an architecture but included here to ensure   
 that there is thinking from an end user and validation perspective

## **2.5 Architectural Styles and Patterns considered and for what reason**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Architectural Styles/ Pattern** | **Intent of this pattern** | **Rationale for choosing or not choosing** |
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# 3.0 User interface design

A description of the user interface design of the software is presented. (Typical screen shots on what the UI is going to be.. if already done)

# 4.0 Detailed Design Approach

Briefly describe the design approach/method which you are planning to use as part of the project

## **4.1 Design patterns considered and for what reason**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Design Pattern** | **Intent of this pattern** | **Rationale for choosing or not choosing** |
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# 5.0 Requirement Traceability Matrix

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No | Req Id | Brief Desc | Architecture Ref Section | Design Ref | Code File Ref | Unit Test Cases | Function/ System test cases |
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