Logo, company name

Description automatically generated

****

Table of Contents

[1. Introduction 5](#_Toc172132349)

[1.1. Purpose and Scope of this document 5](#_Toc172132350)

[1.2. References 5](#_Toc172132351)

[2. Acronyms and Abbreviations 5](#_Toc172132352)

[3. Architecture Module/Component details 5](#_Toc172132353)

[3.1. Context of the Module 5](#_Toc172132354)

[3.2. Impact to Existing Components 6](#_Toc172132355)

[4. System Components 6](#_Toc172132356)

[4.1. <Component 1 > 6](#_Toc172132357)

[4.2. <Component 2> 6](#_Toc172132358)

[5. Data Design 6](#_Toc172132359)

[5.1. Database Schema 6](#_Toc172132360)

[5.2. Table Definitions 6](#_Toc172132361)

[5.3. Database Scripts and APIs details 7](#_Toc172132362)

[5.3.1. Scripts 7](#_Toc172132363)

[5.3.2. APIs 7](#_Toc172132364)

[6. Detailed UI Design 7](#_Toc172132365)

[6.1. <Screen Name> 7](#_Toc172132366)

[6.1.1. Screen Mock-up / Wireframes 7](#_Toc172132367)

[6.1.2. Navigation Details and Flow 7](#_Toc172132368)

[6.1.3. API Endpoint Details 7](#_Toc172132369)

[6.1.4. Data Contracts 7](#_Toc172132370)

[7. Integration Design 8](#_Toc172132371)

[7.1. External System Interfaces 8](#_Toc172132372)

[7.2. Integration Points 8](#_Toc172132373)

[7.3. Data Exchange Standards 8](#_Toc172132374)

[7.4. Exception / Error Handling: - 8](#_Toc172132375)

[7.4.1. Module Interfaces 8](#_Toc172132376)

[8. Design Considerations 8](#_Toc172132377)

[8.1. Performance Considerations 8](#_Toc172132378)

[8.2. Security Considerations 8](#_Toc172132379)

[8.3. Scalability Considerations 9](#_Toc172132380)

[8.4. Reliability and Availability Considerations 9](#_Toc172132381)

[8.5. Maintainability and Support 9](#_Toc172132382)

[9. Assumptions and Dependencies 9](#_Toc172132383)

[10. Compliance and Design Standards 9](#_Toc172132384)

[11. References 9](#_Toc172132385)

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Version | Section # | Date | Changed By | Details of Change |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Prepared by/Last updated by | Reviewed by | Approved by |
| Name |  |  |  |
| Role |  |  |  |
| Signature |  |  |  |
| Date |  |  |  |

# **Introduction**

## Purpose and Scope of this document

Purposeandscope

# **Acronyms and Abbreviations**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Term** | **Definition** |

# **Architecture Module/Component details**

## 3.1. Context of the Module

OverallarchitectureD

Context

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component Name** | **Technology** | **Description** |

3.2. Impact to Existing Components

Impact

|  |  |  |
| --- | --- | --- |
| **S.No** | **Impacted Component** | **Impact** |

# **System Components**

## 4.1. SystemComponent1

|  |  |
| --- | --- |
| Detailed description |  |
| Responsibilities |  |
| Interfaces used |  |
| Methods implemented |  |

## 4.2. SystemComponent2

|  |  |
| --- | --- |
| Detailed description |  |
| Responsibilities |  |
| Interfaces used |  |
| Methods implemented |  |

**5. Data Design**

## 5.1. Database Schema

Databaseschema

databasedesign

## 5.2. Table Definitions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Default Value** | **Description** |

## 5.3. Database Scripts and APIs details

DataScriptsApis

### 5.3.1. Scripts

|  |  |  |  |
| --- | --- | --- | --- |
| **Script Name** | **Purpose** | **Input** | **Output** |

### 5.3.2. APIs

|  |  |  |  |
| --- | --- | --- | --- |
| **API Name** | **Purpose** | **Input** | **Output** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# **6. Detailed UI Design**

DetailedUIDesign

## 6.1. Screen Name

UIScreenName

### 6.1.1. Screen Mock-up / Wireframes

ScreenMockup

### 6.1.2. Navigation Details and Flow

NavigationDetails

### 6.1.3. API Endpoint Details

APIEndpointDetails

### 6.1.4. Data Contracts

DataContracts

# **7.Integration Design**

## 7.1. External System Interfaces

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name of the System** | **Purpose of Integration** |

## 7.2. Integration Points

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Integration Point** | **Workflow** | **Exception/ Error Handling** |

## 7.3. Data Exchange Standards

DataExchangeStandards

## 7.4. Exception / Error Handling: -

ErrorHandling

### 7.4.1. Module Interfaces

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Integration Point** | **Workflow** | **Exception/ Error Handling** |

# **8.Design Considerations**

DesignConsiderations

## 8.1. Performance Considerations

PerformanceConsiderations

## 8.2. Security Considerations

SecurityConsiderations

## 8.3. Scalability Considerations

ScalabilityConsiderations

## 8.4. Reliability and Availability Considerations

ReliabilityAndAvailabilityConsiderations

## 8.5. Maintainability and Support

MaintainabilityAndSupport

**9. Assumptions and Dependencies**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Assumption/ Dependency description** | **Remarks (Action / Decision)** |

# **10. Compliance and Design Standards**

ComplianceAndDesignStandards

**11. References**

References

|  |  |
| --- | --- |
| **Document Information** | |
| **Document ID** | ENG/DES/TE/05 |
| **Category** | Engineering |
| **Process** | Design |
| **Type** | Template |
| **Author** | SEPG |
| **Reviewer** | SEPG |
| **Approval** | Anitha Radhakrishnan |
| **Status** | Issued |
| **Creation date** | 15-Jul-24 |
| **Review date** | 16-Jul-24 |
| **Approval date** | 17-Jul-24 |
| **Issued date** | 17-Jul-24 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Template Revision History** | | | | |
| **Version** | **Section** | **Change Request #** | **Description** | **Date** |
| **1** | All Sections |  | Initial Version | 17-Jul-24 |
|  |  |  |  |  |