<Name of project>

TECHNICAL DESIGN DOCUMENT

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# SECTION 1: INTRODUCTION

## Purpose

*[Provide a brief overview of the application and its purpose]*

## Terminology

*[Identify the technical terms used in this document]*

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| --- | --- |
| **Name** | **Comments** |
| *MEAN Stack* | *MongoDB, Express, Angular, and Node.js* |
| *VS Code* | *Development IDE* |
| *SoapUI* | *API testing tool* |
| *MongoDB Compass* | *Database development IDE* |
| *Angular Material* | [*https://material.angular.io/*](https://material.angular.io/) |
| *Flex-layout* | [*https://github.com/angular/flex-layout*](https://github.com/angular/flex-layout) |

## User Personas

*[Identify the core users of the proposed solution]*

## User Stories

*[Identify the user stories, based on the above personas]*

## Time Estimations

*[Given the above user stories, identify the appropriate story points/time estimations]*

# SECTION 2: PROCESS DESIGN

## 2.1. Prototypes

*[Make sure the prototypes cover every page/dialog/message in the proposed solution)*

## 2.2. ORD (Object Relational Diagram(s)

*[Create an ORD based on the proposed business rules]*

## 2.3. NoSQL Document Diagram

*[Covert the above ORD into a NoSQL Document Diagram]*

## 2.4. NoSQL Data Structure

*[Covert the above NoSQL Document Diagram into a NoSQL Data Structure (JSON data)]*

# SECTION 3: QA TESTING

## 3.1. QA Test Plan

*[Weekly Test Cases]*

## 3.2. Unit Tests

*[Images of SoapUI Unit Tests]*

# SECTION 4: REFERENCES

*[APA Reference List]*