

## ■ System Requirement Document (SRD)

### 1. Introduction

Describe system purpose.

Example:

This document defines technical requirements for implementing heart disease analysis using MySQL, Excel, and Power BI.

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### 2. Data Source

- File Name: Heart\_Disease\_Prediction.csv
  - Source Type: CSV
  - Storage: MySQL Database
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### 3. Data Structure

Table Name: heart\_disease\_prediction

List columns:

Column Name	Data Type
Age	INT
Sex	INT
Cholesterol	INT
heart_disease	VARCHAR(20)

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### 4. Functional Requirements

- Import CSV into MySQL
  - Clean and validate data
  - Build interactive dashboard
  - Enable filtering by age, gender, disease status
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### 5. Non-Functional Requirements

- Dashboard loads within 5 sec
  - Data accuracy must be maintained
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## **6. Tools Used**

- MySQL (Data Storage & Querying)
- Excel (Data Validation)
- Power BI (Visualization)