

■ 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.

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)

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)