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**Patient ECG History Database**  
**Supplementary Specification**

**Version <1.0>**

## Revision History

Date	Version	Description	Author
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## Table of Contents

1.Introduction	4
2.Non-functional Requirements	4
2.1.Availability	4
2.2.Performance	4
2.3.Security	4
2.4.Testability	4
2.5.Usability	4
3.Design Constraints	4

# Supplementary Specification

## 1.Introduction

This document covers aspects of the Patient ECG History Database not covered in other parts of the documentation. It includes requirements that are inferred either by the specific environment in which users work or by the legal framework under which the application operates.

## 2.Non-functional Requirements

### 2.1.Availability

The system should be available at all times, except agreed maintenance hours.

### 2.2.Performance

The system should not cause unnecessary wait-times. ECG recording should be uploaded almost instantly and data retrieving should be achieved in a reasonable time depending on the size of the recording. The system should be scalable and it should easily expand its storing capabilities.

### 2.3.Security

Access to the recordings should be limited to physicians and insurers. A patient may only access his/her data after notifying the insurer. Patients cannot access other patients data.

### 2.4.Testability

### 2.5.Usability

The application should be stable and allow for easy access to data. Physicians should easily access his patients' data and alter them accordingly to the current check-up. Insurers and physicians should have access to distinct user-interfaces pertaining to their reasons of using the application. The insurer should be able to review the data in a user-friendly way but may not modify it. The doctor should be able to perform all CRUD operations.

## 3.Design Constraints

The application adheres to the client-server architecture and will also be implementing the MVC pattern. The data will be stored on a database. All the inputs of the application will be validated against invalid data before submitting the data and saving it in the database.