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Patient ECG History Database
Vision

Version <1.0>

Revision History

Date	Version	Description	Author
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Vision

1.Introduction

1.1.Purpose

The purpose of this document is to collect, analyze and define the high-level needs and features of the Patient ECG History Database. It focuses on the capabilities needed by the doctors, insurers, patients and regulating bodies and explains their necessity. Further details on how the Patient ECG History Database fulfills these needs are detailed in the use-case and supplementary specifications.

1.2.Definitions, Acronyms, and Abbreviations

Doctor/Physician - The health practitioner that is qualified to record, store and interpret the results of the ECG recordings of the database.

Insurer - The representative of the insurance body that is entitled to add new doctors/physicians and/or patients to the system.

ECG - Electrocardiogram.

1.3.References

*[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]*

1.4.Overview

*[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]*

2.Positioning

2.1.Problem Statement

The problem of	managing large collections of ECG history data from a variety of patients
affects	physicians, patients, insurers and regulating bodies
the impact of which is	<ul style="list-style-type: none">- appropriate healthcare delivered to the patients based on their history- tracking insured patients' history and provide adequate health insurance- help regulating bodies create a stronger framework for the healthcare system
a successful solution would be	a database capable of managing large collections of ECG data with full/limited access from either physicians or insurers based on their need.

2.2.Product Position Statement

For	<ul style="list-style-type: none"> - doctors/physicians that have patients that need ECG monitoring - insurance bodies that need to justify their insurance cost - regulating bodies who need to access large collections of ECG data to infer new treatment protocols or an appropriate healthcare framework for the interested parties
The Patient ECG History Database	ECG recordings database
That	provides access to ECG recording of patients registered at the users (physicians and insurers) office.
Unlike	<i>[primary competitive alternative]</i>
Our product	<i>[statement of primary differentiation]</i>

3.Stakeholder and User Descriptions

3.1.Stakeholder Summary

Name	Description	Responsibilities
Ministry of Health	the supervising body for all healthcare related activities	<ul style="list-style-type: none"> - approves the use of the product in the market - ensures existing legislation is met through the use of the product
Parliament	the regulating body for healthcare related activities	<ul style="list-style-type: none"> - may alter the legislation under which the product works
Judicial system	provides solutions to litigation issues	<ul style="list-style-type: none"> - may be involved if the product infringes on existing legislation
Medical College of Romania	supervises the activity of physicians in Romania	<ul style="list-style-type: none"> - may intervene in a wrongdoing involving a physician that is using the application

3.2.User Summary

Name	Description	Responsibilities	Stakeholder
Doctor/Physician	manages its patients ECG records through the application	<ul style="list-style-type: none"> - records new ECG data - may alter/annotate ECG data according to specialist interpretation 	Medical College of Romania, Ministry of Health
Insurance agent	accesses ECG data of insured patients to provide correct healthcare cost deduction	<ul style="list-style-type: none"> - may access ECG data of a patient to justify the cost of healthcare provided to that patient - may add new doctors or patients to the system 	Ministry of Health

Patient	limited access to his/her personal ECG data	<ul style="list-style-type: none">- may request access to his/her personal recordings- may export and save their personal recordings	Ministry of Health, Parliament, Judiciary system
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3.3.User Environment

The Doctor/Physicians works either at a hospital or at a private practice. He/she may be assisted by a nurse to perform a new ECG recording which will then be stored on the system.

The insurance agent will be working at the insurance company's headquarters. He may access the system's data and may receive requests from doctors or patients to join the system which he will then evaluate.

The patient may access his private data based on a request to the insurer or the doctor.

4.Product Requirements

The system should be accessed on multiple platforms, depending on the users' needs. Doctors and Insurers may use an application, but patients should only be allowed access through a web browser.