

# Business Requirements Document

**Project name:** Medical profile web app (sanatOS)

**Project team lead:** Vlad Ursu

**Date submitted:** 23.09.2023

## 1. Executive summary:

Our team has undertaken the task to create a web application that would represent an online medical profile for each patient, it being easy to use and most importantly secure from attacks.

## 2. Project Objectives:

- Create an online web app for medical profiles.
- Implement security devices such that the system would be immune to any perceived attacks.

## 3. Project Scope:

- Present a comprehensive analysis of the project's functionalities, high-level structure and risk assessment by mid October.
- Develop a Minimal Viable Product, with definite defense mechanisms in 8 weeks (presentation time cca. the beginning of December).

## 4. Business Requirements:

Priority Level	Critical Level	Requirement Description
1	High	Develop a simple server-client web app
2	High	Employ security mechanisms
3	Medium	Create an user-friendly interface

## 5. User Requirements:

**For Doctors:** Doctors must be able to view a patient's medical history, as well as create a new patient profile and introduce as well modify existing data.

**For Patients:** Patients should only be able to view their medical history, without having the authority to modify it, or view/edit other people's profiles.

## 6. System Requirements:

Functional:

- User registration and authentication.
- User profiles and role-based access control.
- Medical history entry (for doctors): medical conditions, past traumas, past surgeries, allergies and current medications.
- **Data privacy and security**
- Emergency contact information.
- For future versions, if possible: multi-language support, appointment scheduling, allergies and medication alerts.

Non-Functional:

- Security (Encrypted data, authentication and authorization, compliance with regulations)
- Performance (Response time, scalability, DB performance)
- User-Friendly interface
- Accesibility

## 7. Team Members:

Team Member	Role
Vlad Ursu	Back-End Developer/ DB engineer
Botezatu Marius	Front-End Developer
Bucătaru Daniel	Back-End Developer/ DB engineer
Ciumac Alexei	Front-End Developer

Telug Anatolie	Front-End Developer
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## 8. Project Constraints:

Constraint	Description
Timeline	Present an MVP in 8 weeks time
Team Availability	Have to stick by the team member's schedules