

TELNET

## SPECIFICATIONS SHEET

# HEALTH MONITORING PLATFORM

RIADH KHOCHTALI





# **TABLE OF CONTENTS**

**INTRODUCTION**

**PROJECT DESCRIPTION**

**FUNCTIONAL REQUIRMENTS**

**NONFUNCTIONAL  
REQUIREMENTS**

**EXTERNAL REQUIREMENTS**

# INTRODUCTION

# PURPOSE

Nowadays, communication between the patient and his doctor is integral for the well-being of the patient, but sometimes when both are distant from each other, they are very dependent on how good the network coverage around them is, in case of urgency and there is no network, here shows the importance of the existence of a platform that communicates the doctor and his patient that isn't dependant on the network.

# PROJECT SCOPE

this project's target audience are:

**Doctors:**

to monitor their patient's health progress and get live feeds from their biometrics as well as to predict any forthcoming issues

**people with underlying health issues:**  
to get notified in case of something wrong to help them fix the problem or let their doctors know about it before any further complications.

# PROJECT DESCRIPTION

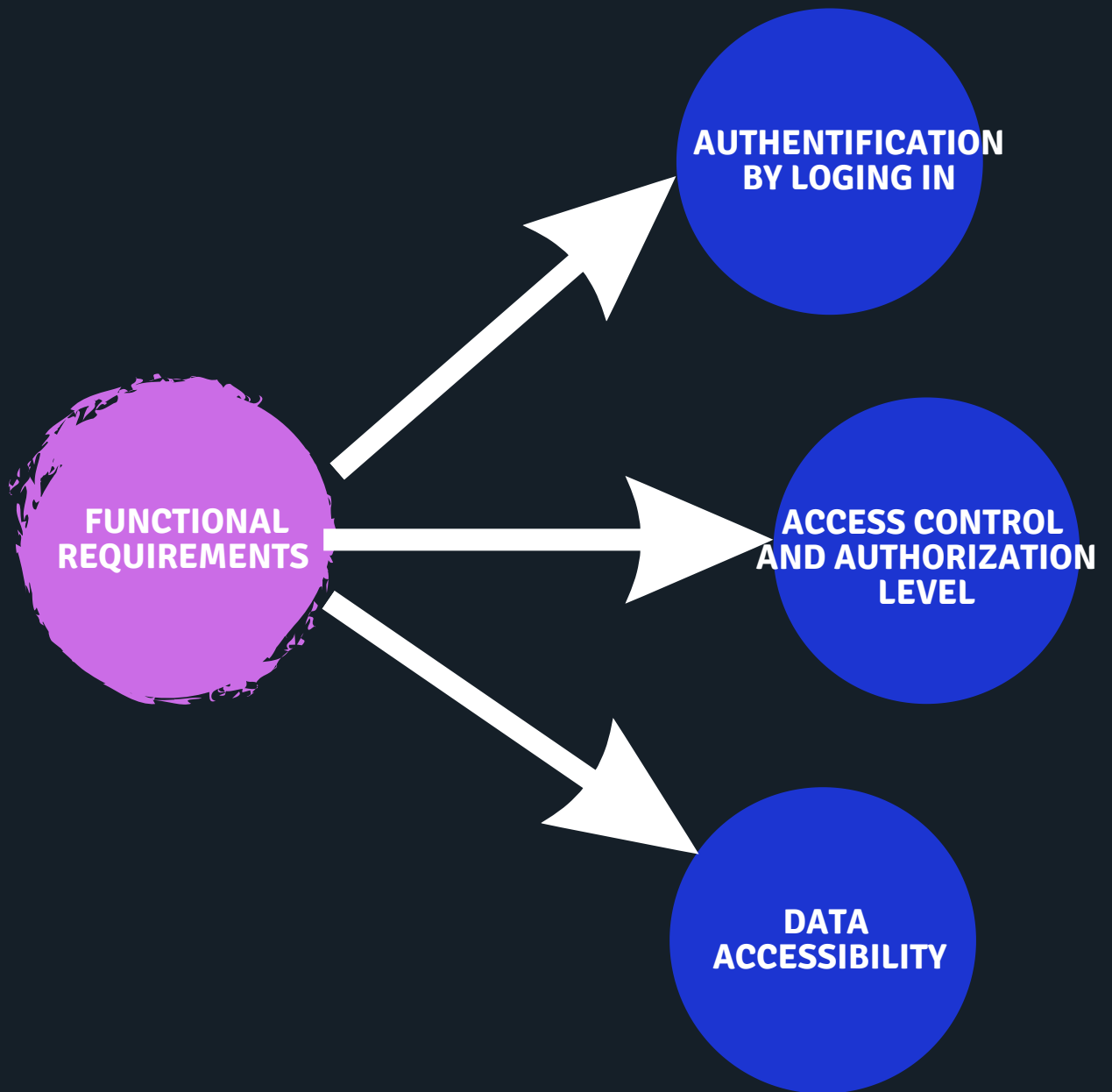
# OVERALL DESCRIPTION

The platform includes:

- 1- Live data from the device.
- 2- dashboards and graphs to show the overall development of any particular value in a defined period.
- 3- established means of communication between the patient and the doctors (chat, mail, phone call)

# FUNCTIONAL REQUIREMENTS



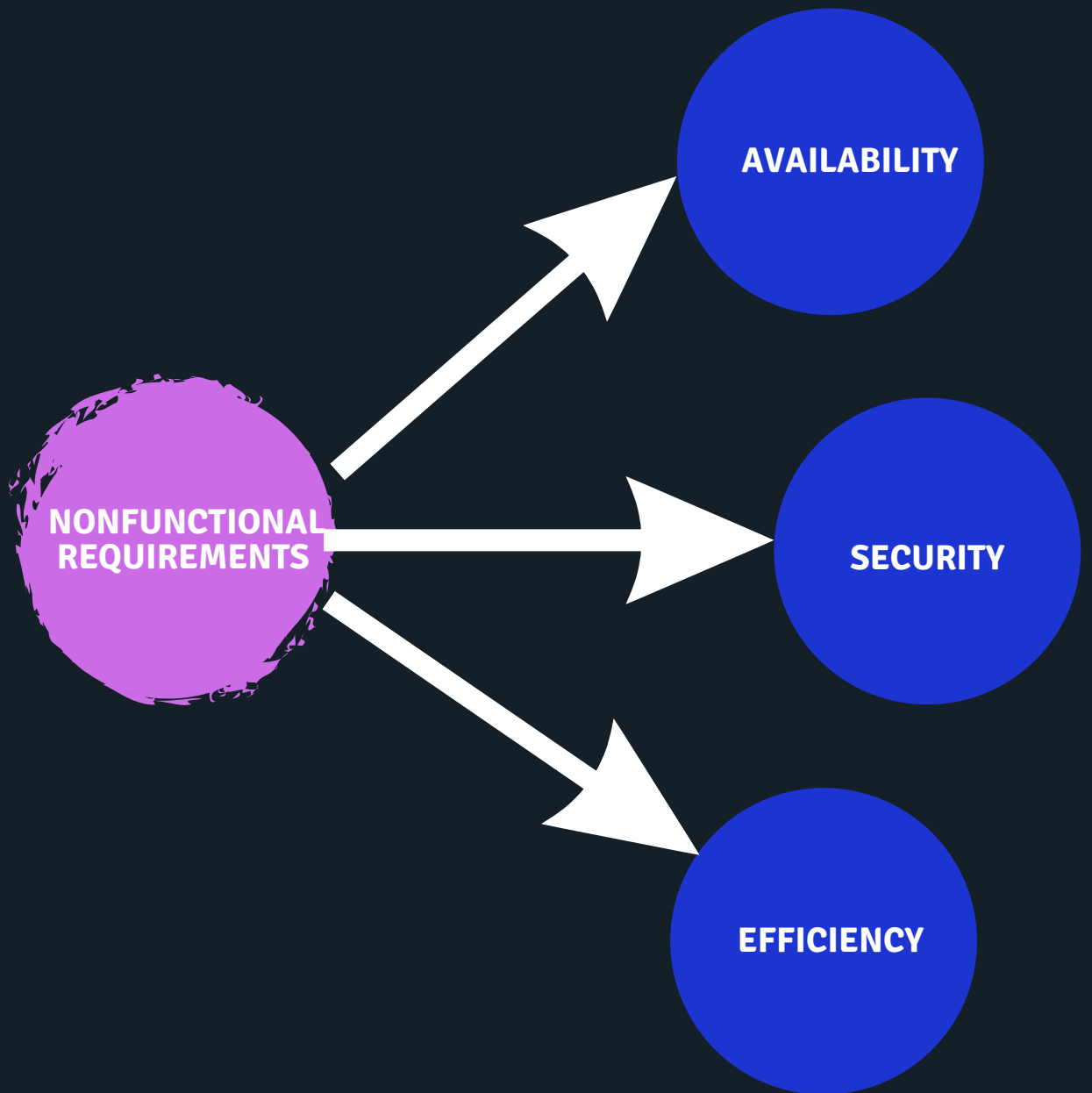


**Authentication**– the ability to log in to your account and your mail and your own made password.

**Access control and authorization level**– each type of user has access to certain privileges and functionalities that other users don't have.

**Data accessibility**– the data and the live feed is always displayed on the platform and is up to date every 3 minutes. Also, the patients choose those who can see their live data and block others from accessing it.

# NONFUNCTIONAL REQUIREMENTS



**Availability**– the application is always available and accessible at any moment.

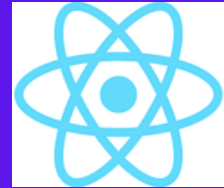
**Security**– The application is secure and there are multiple verification methods to avoid any sort of hacking or unwanted access.

**Efficiency**–the application is efficient and easy to use and understand and the data is highly accessible and easy to read.

# EXTERNAL REQUIREMENTS

**TO DEVELOP THIS APPLICATION WE ARE GOING TO USE :**

**FOR FRONT-END: REACT**



**FOR BACK-END: DJANGO**



**FOR THE MACHINE LEARNING PART:**

**PYTHON**



**TENSORFLOW**

