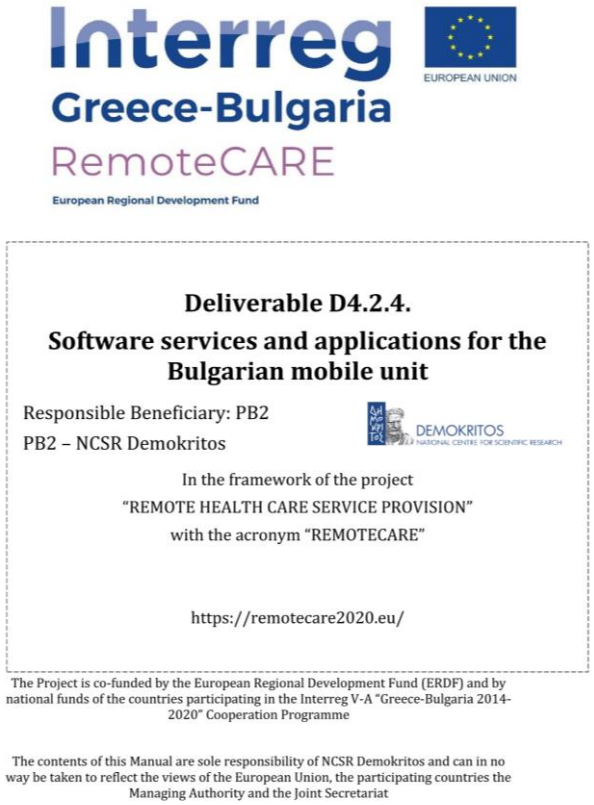
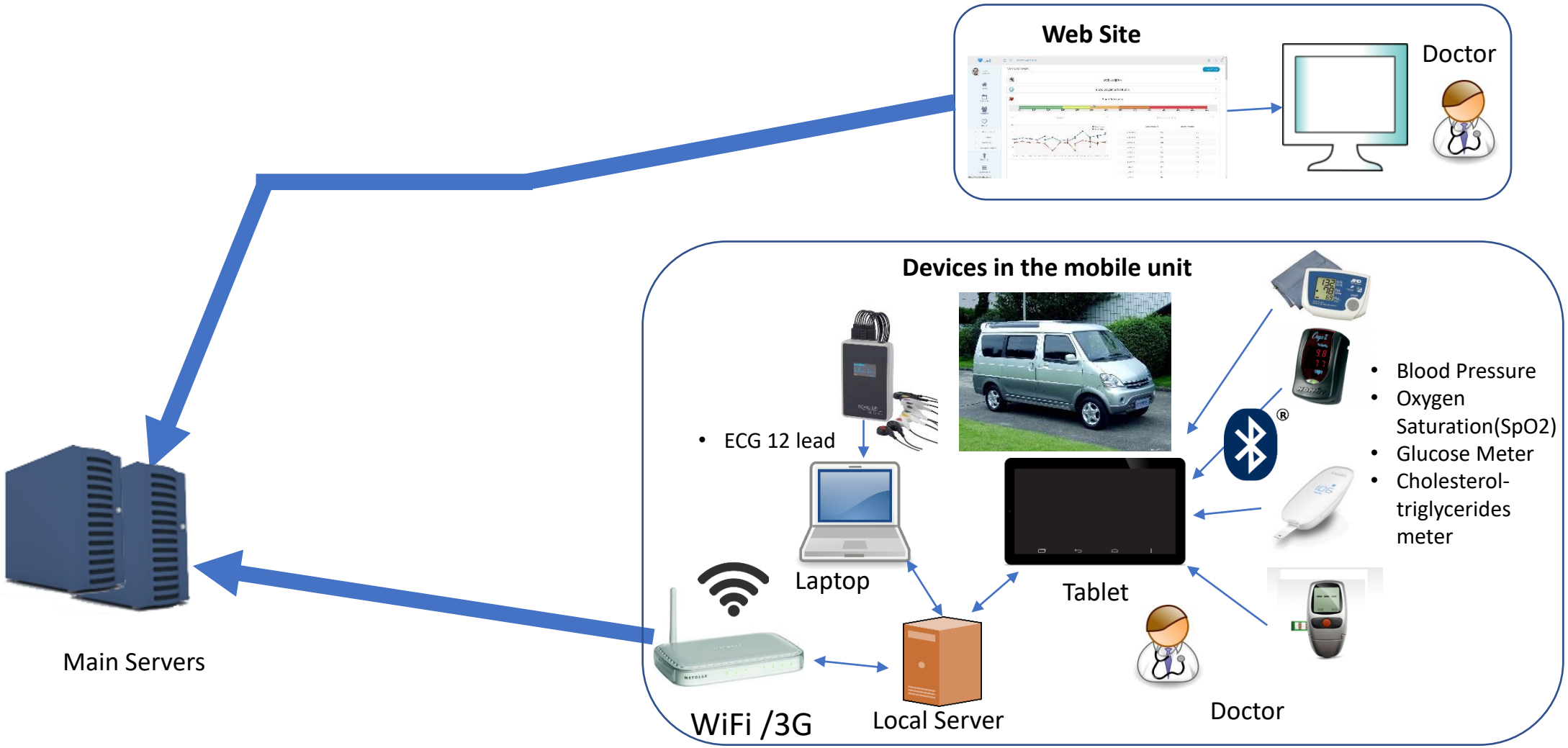


Petriz.iwelli.com
Wraiokastro.iwelli.com

System Architecture



Petritz-Boulgary/Oraiokastro-Greece

User Roles

There are multiple roles available in the system. Each role has specific access rights according to the requirements. The available system roles are the following:

- Patient
- General Doctor /Nurse on the mobile unit
- Hospitals/Health centre
- Social Carers

Doctor Functionalities (1)

Patient's data

Each doctor has access to all the information that is stored to the Main Servers about his/her patients. The doctor has access in a web application that visualizes the stored measurements and organizes the diseases and medications in a way that is understandable and easy to be used by the Health professional staff. All information that is related to a patient is organized and shown together when the doctor selects a patient.

The medications and the diseases can be found behind the appropriate button in the patient's menu. The doctor can add medications or diseases. All the medication or diseases details can be viewed and altered by clicking on the corresponding name.

Doctor Functionalities (2)

Doctors – Carers with Medical Devices

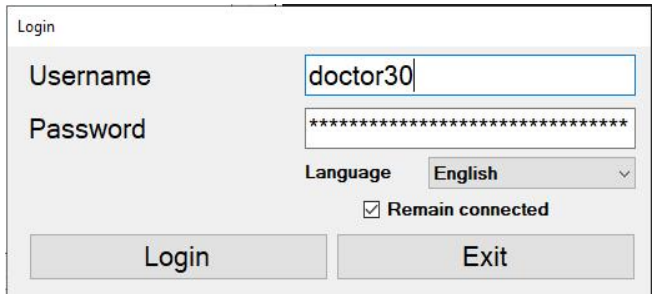
Using this service, health stuff (doctors or carers) are enabled to automate the collection of medical information by the user, using medical devices such as Glucose Meters, Blood Pressure Monitors and Oximeters.

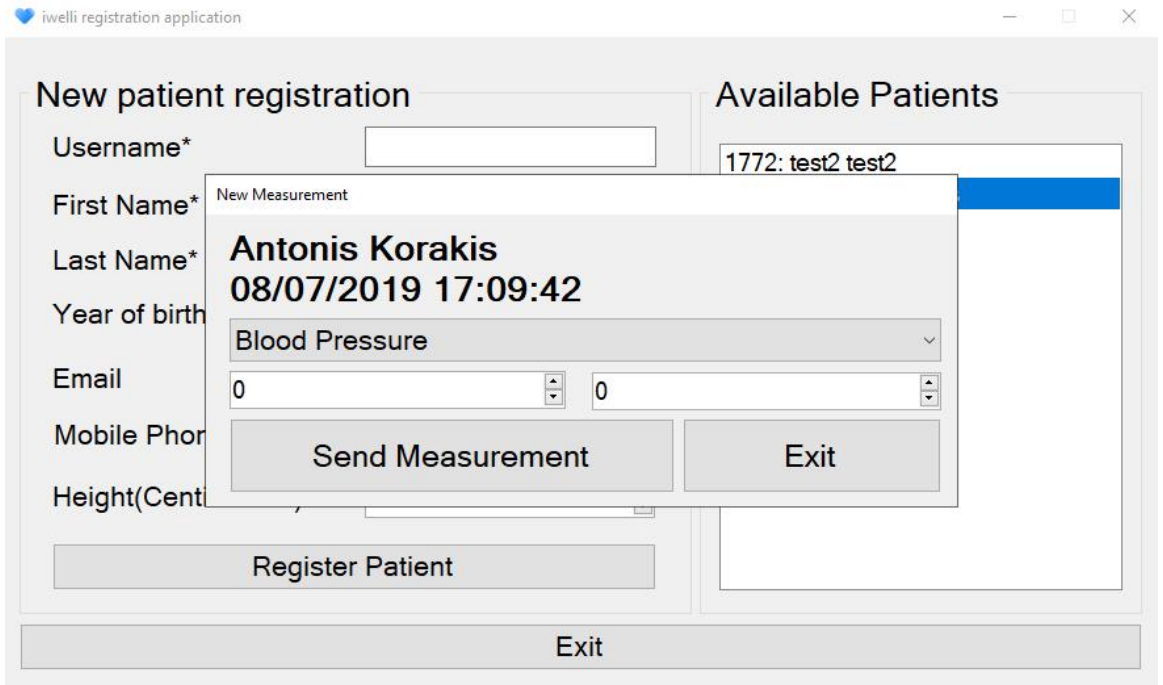
Interoperability

An important feature of the system is that it has potential for scalability and integration in the future with other systems within a common framework.

Third party applications can communicate and send/receive data to/from the platform using the SOAP/REST Web services. Web Services, form a common architecture development, publication and operation of the service, which is determined by the W3C.

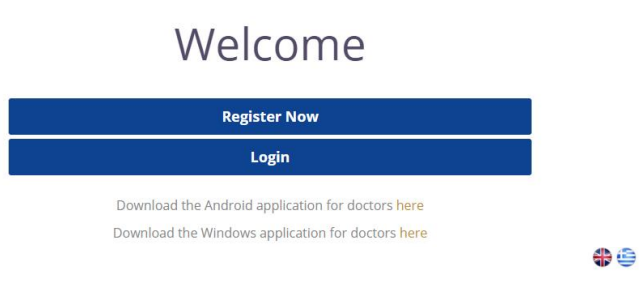
Windows Application (Doctor's)

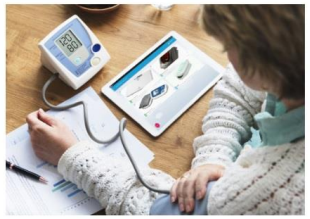


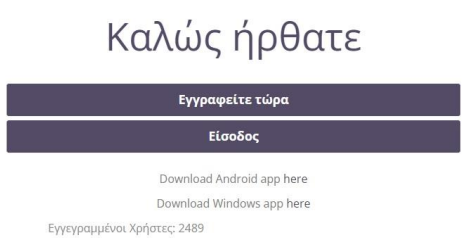


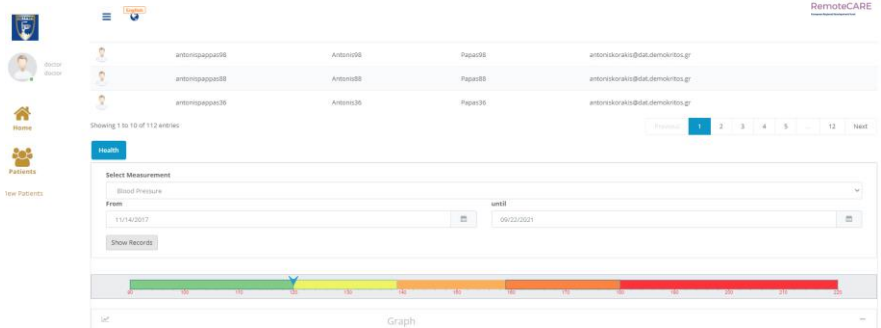
The windows application allows each doctor to easily register new patients. Each patient provides the doctor with his/her demographics. The doctor register's the patient into the platform. The doctor can also send patient's vital signs via the windows application

Web Platform (Doctor’s)



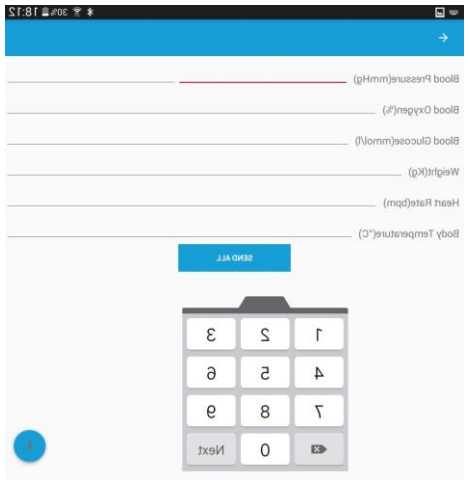


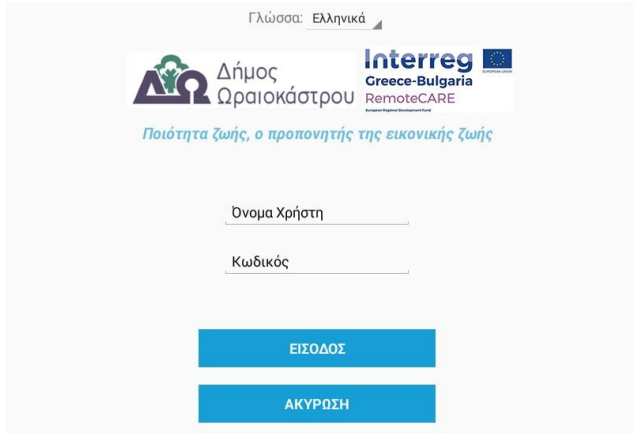


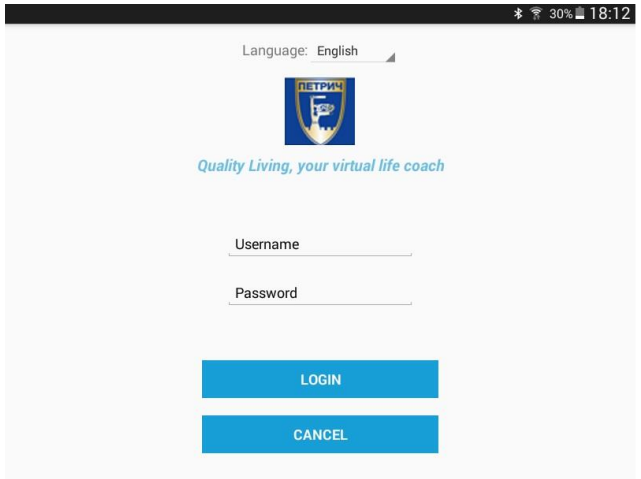


The web application allows the doctor to access all his/her patients data. Patient’s data include demographics, vital signs and medications. All data saved from the doctor’s android application and doctor’s windows application can be accessed in the web application.

Doctor’s Android Application







The android application allows the doctors/carers (mobile unit) to easily send patient’s vital signs to the platform using his/her mobile phone/tablet. All data saved from the doctor’s android application can be then accessed in the web application.