Project Brief

Goals

Our goal is to implement a personal health assistant who will be able to:

- Help any user manage his appointments to the doctor or the chemist
- Store and display patient's appointment history
- Remind the user to take his medication using classic and original methods.
- Remind the user periodically regarding medical examinations
- Keep the user up-to-date with his health obligations

We aim to create an intelligent, responsible and user-friendly health assistant that will motivate the user to be more passionate about taking care of his health state.

Approach

- Negligence
- Lack of Time
- Psychological
- User-Friendly Enviroment
- Medical Knowledge
- Efficient
- Intelligent

All those above are a bunch of factors that we must consider first in order to achieve our goals and connect the knowledge domain with the psychological part. The application must be constructed on the basis of the above factors.

Milestones

- Research
  - What causes negligence
  - Psychological approach to the problem
  - Medical Knowledge
- Design
  - Mock-ups for GUI
  - Database Design
  - GUI final graphics and elements

- Implementation
    - Database ready on server
    - Basic Structure (non-functional)
    - Basic Structure with graphics (non-functional)
    - Basic functional GUI
    - Database Integration within the app
    - Appointments Feature Implemented
    - Medication Feature Implemented
    - Exams Feature Implemented
    - History Feature Implemented
- Testing / Evaluation
    - Examples and Test Cases
    - Application Testing for examples
    - Application Testing for test cases
    - Give the app to real users / beta testers
    - Take Feedback for Future Updates
- Final version release

Evaluation methodology

Our evaluation methodology is based on Beta Testing where several pre-written examples and test cases are being used on the application testing. After this phase, the application will pass to the hand of real users, called Beta Testers in order to use the app for a certain time period and take feedback for them about future updates.

Final Deliverables

- Vivere® REST: A complete RESTful service on an AWS Server with a database and a REST API documentation on how you can use it.
- Vivere: A complete personal health assistant as an android application.