

PARTICIPATORY HEALTHCARE SYSTEM

SENSING AND COMMUNICATION

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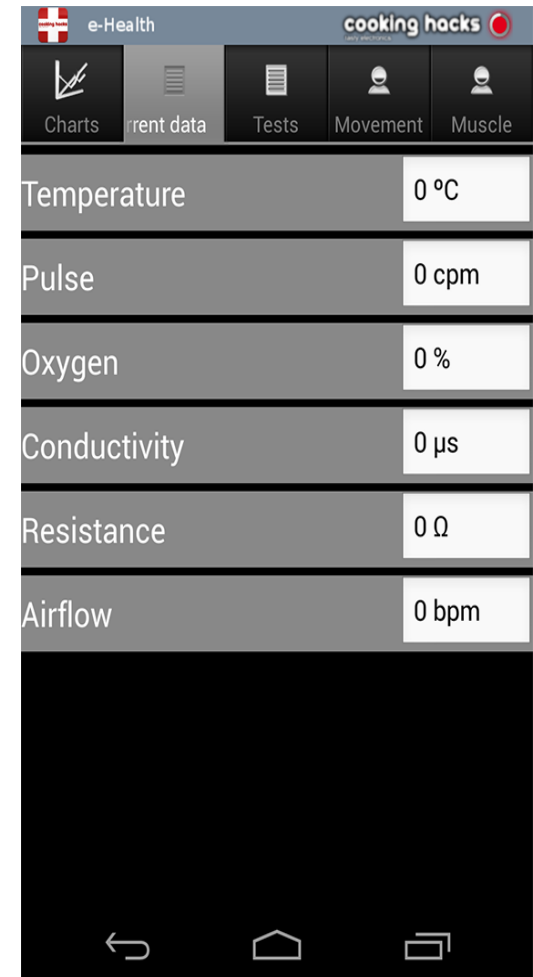
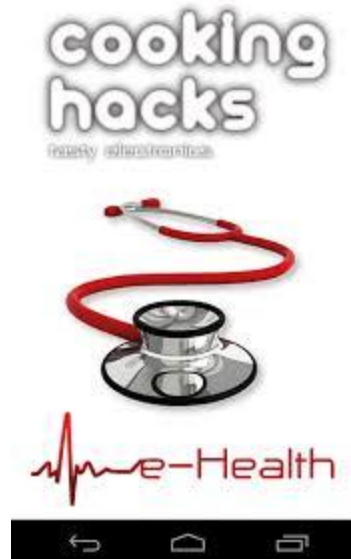
Quick recap about the project



User Interface(s) specification

The android app

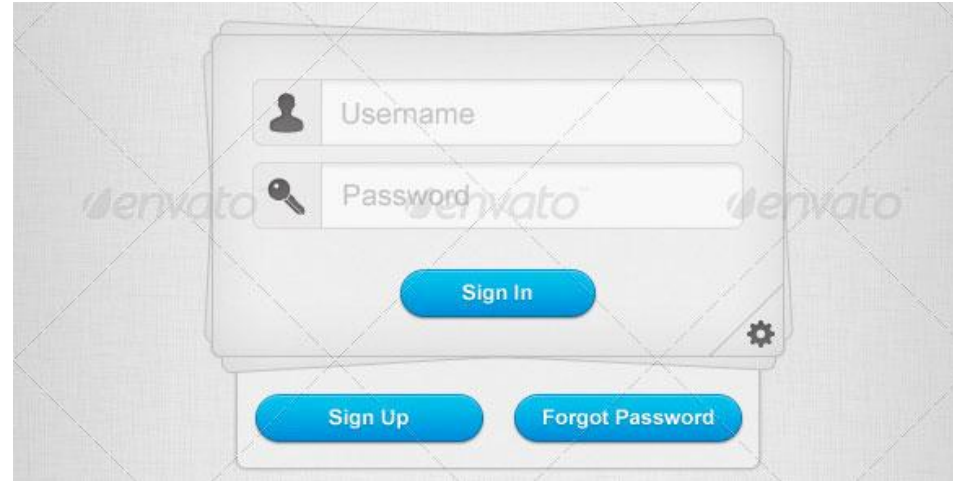
- *Does not require any login.*
- *Security is only when connecting to the network transferring data.*
- *Is an app to keep track of the sensing process .*
- *No action can be performed on the app except viewing how the vitals are being read.*



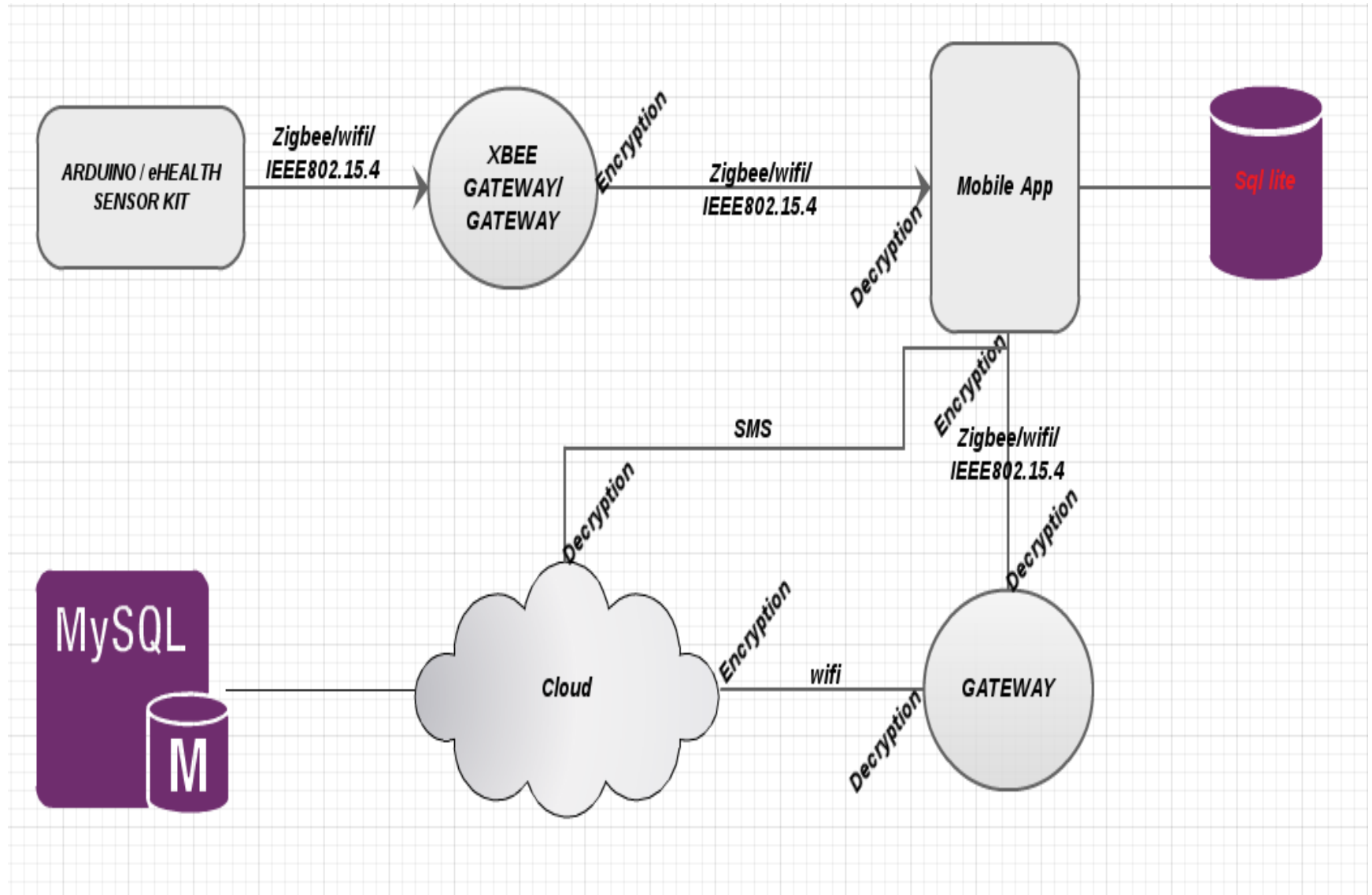
User Interface(s) specification(2)

The web Interface

- *Here the user will be required to login or register if he(she) is not registered yet.*
- *Once registered the user can login and perform tasks that are associated with their privileges(doctors, patients, nurses or system admin).*
- *Doctors can modify very crucial information about patient, nurses too but with restricted privileges.*
- *Patients can only update information such as new address, new phone number.*
- *System admin to maintain the system.*



High level design



low level design

Sensing Algorithm

Repeat:

Sense_vital_variables(patient_body):

**Set delay time*

**Set sampling number*

**Read vital parameters*

**Store them into*

variables

**Display the value read*

**format(variable)*

Until sampling number reached

Data transfer algorithm

sendData(Array_data):

**Repeat:*

**Encrypt data.*

**Send(Encrypted data)*

result of the previous line of pseudo code. Sending depend on

**Until sensing(reading)*

has stopped.

Project plan

TERM 1	<ul style="list-style-type: none">• <i>Project website updating.</i>• <i>Requirements analysis and project progress presentation.</i>	√
TERM 2	<ul style="list-style-type: none">• <i>User interface design and implementation.</i>• <i>Designing a sensing data transfer prototype(can at least sense one vital signs and populate it in a database).</i>• <i>Project website updating.</i>• <i>Project progress presentation.</i>	√
TERM 3	<ul style="list-style-type: none">• <i>Project/ system implementation, coding, configuring the security in the communication protocol, sensing and communication integration.</i>• <i>Project website updating.</i>• <i>Project progress presentation.</i>	
TERM 4	<ul style="list-style-type: none">• <i>System testing / different kind of testing.</i>• <i>Project website updating.</i>• <i>Project progress presentation.</i>	

REFERENCES

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