



# DESIGN A MOBILE MEDICATION DISPENSER BASED ON IoT TECHNOLOGY

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# PROBLEM STATUS

## PERSONAL



many people need to take different pills, supplements or vitamins at a specific time and keep track on which medicine has to be taken throughout the day. Age, workload, and some disease that causes a slow decline in memory make it difficult to remember both, along with poor knowledge about how or when to take medicine can lead to grave repercussions

Health care data are gathered from different sources including Patient Medical Records, Wearable Sensors, geographical data, and many more sources that cover many aspects of human health behavior, YET no accurate data about medicine taken



## DATA

# CURRENT SOLUTIONS



**SINICA PILL**

- ☹️ Costly
- ☹️ Hard to use
- ☹️ No mobility
- ☹️ Scheduling issues
- ☹️ Tracking



**PILL BOX DISPENSER**

- ☹️ Scheduling issues
- ☹️ No mobility
- ☹️ Tracking
- ☹️ Update remotely



**HERO VITAMINS AND PILL DISPENSER**

- ☹️ Costly
- ☹️ Hard to use
- ☹️ No mobility
- ☹️ Scheduling issues



**RXPENSE AUTOMATIC PILL DISPENSER**

- ☹️ Costly
- ☹️ Hard to use
- ☹️ No mobility
- ☹️ Scheduling issues

# HOW TO OVERCOME THESE DRAWBACKS

☹️ High-Cost ☹️ Hard To USE ☹️ Mobility ☹️ RE-SCHEDULING ☹️ TRACKING



# LOW COST

## 1.Low cost Design

PLASTIC OR ANY RIGGED ORGANIC MATERIALS

## 2.No Processing Unite

TO BE ATTCHED TO ANOTHER PROCESSING DEVICE

## 3.Mnimum of power usage

USE POWER ONLY AT  
OPERATIONS



# EASY TO USE

Simple Functionality

ORDER TO TAKE OR SNOOZE

Guided/Smart

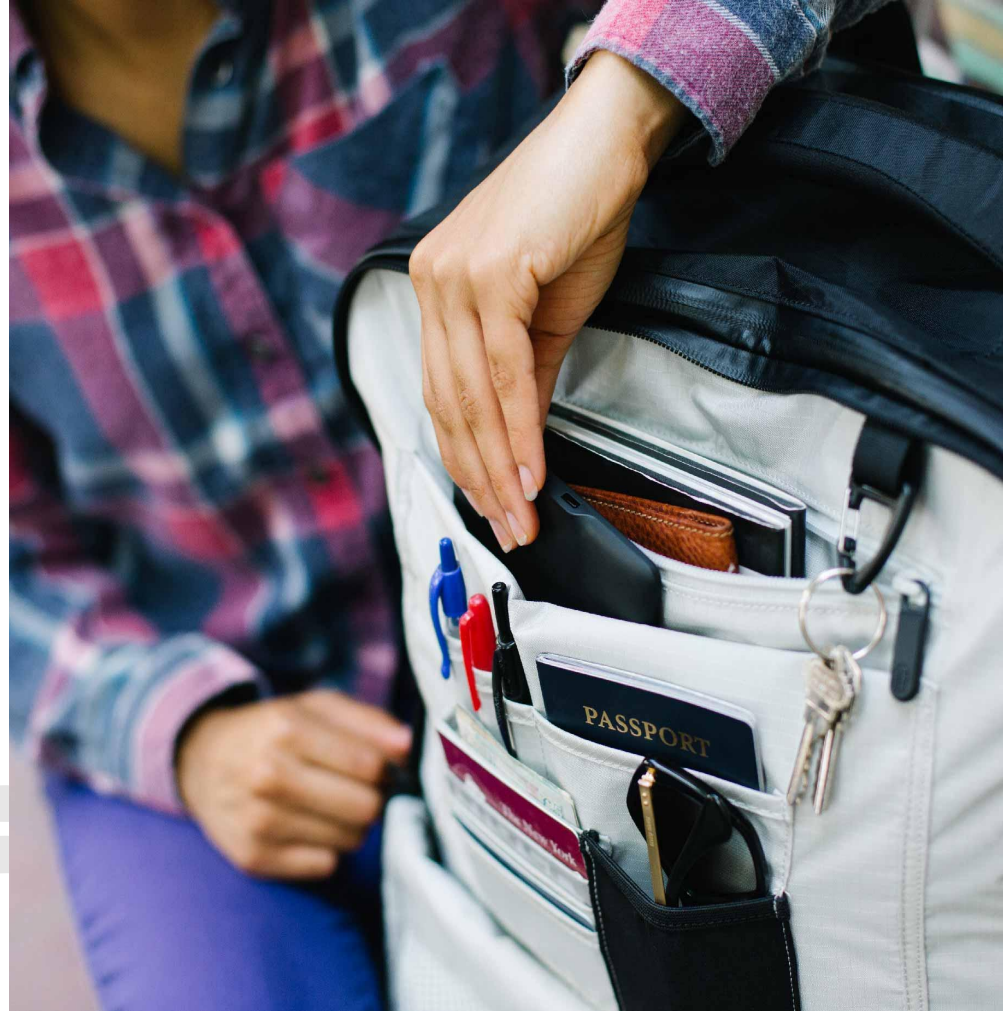
PROVIDE THE DECISION AND KNOWLEDGE ON  
HOW TO USE, WHEN, AND DO THE RESCHEDING



# MOBILE

- Easy to Carry

POKET SIZE, LIGHT WEIGHT, DOES NOT HAVE ANY ATTACHED CABLES OR ANY OTHER REQUIREMENTS



# TRACKING

- Keep tracking on usage with ability to update remotely

CONNECT TO DATABASE, OFFLINE\ONLINE



# ANY SUGGESTIONS

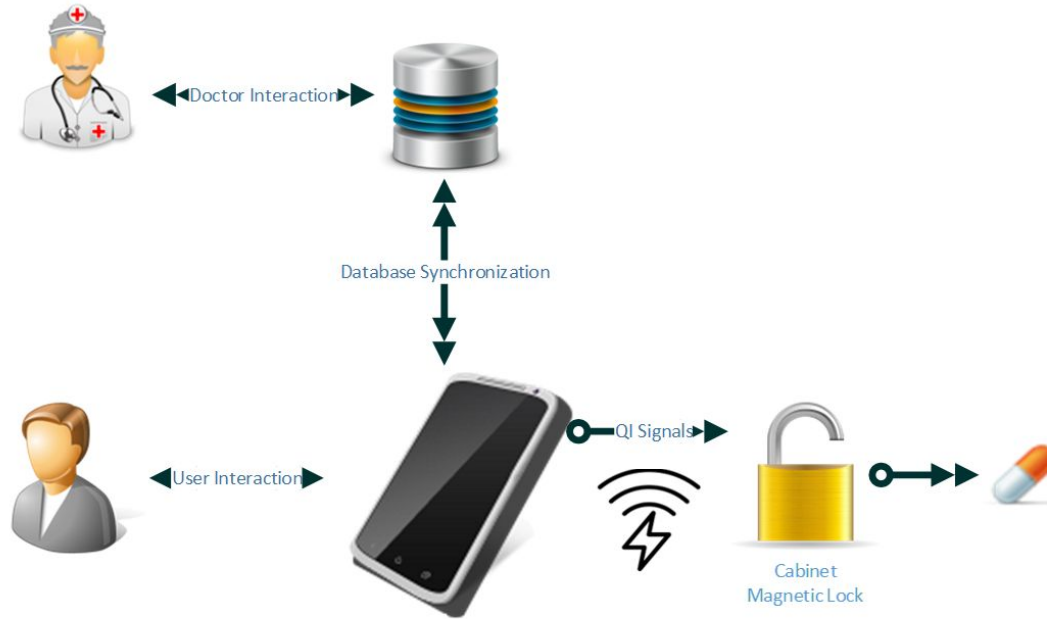




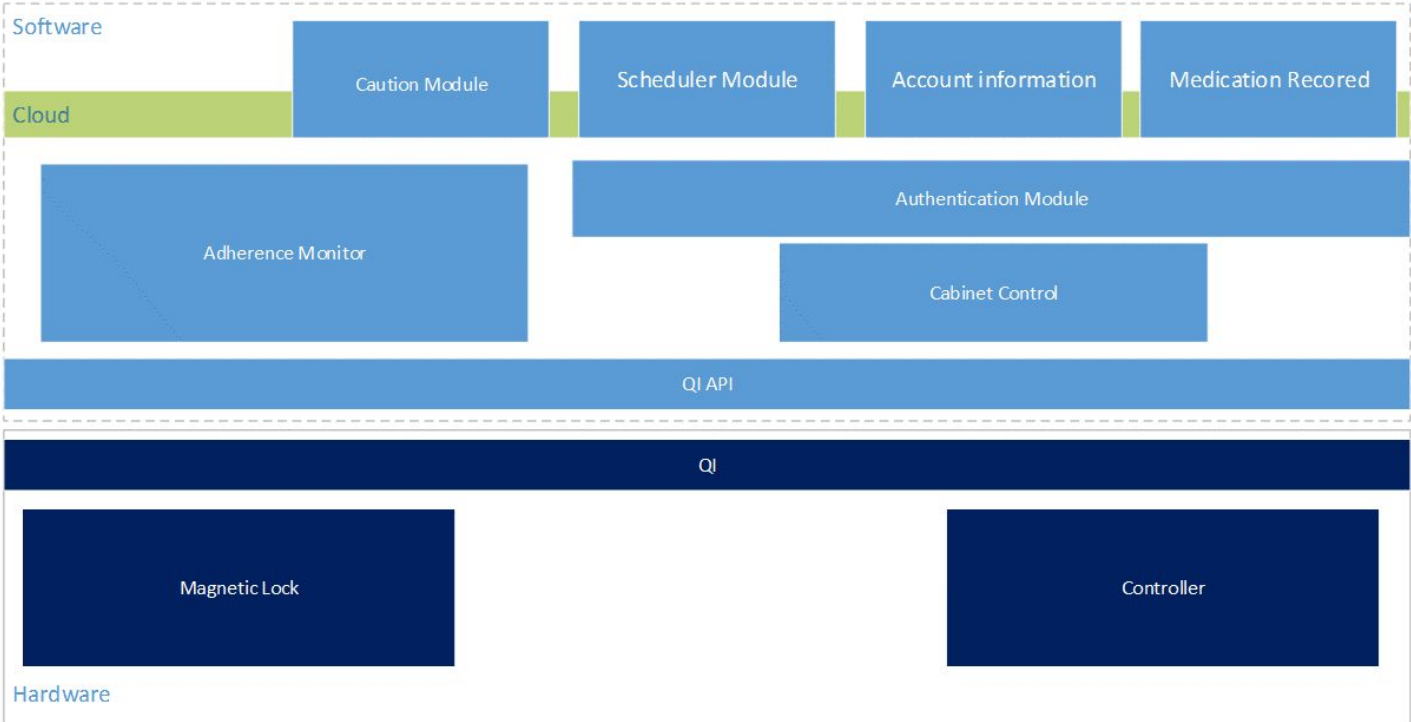
# THE DESIGN

MEDICINE CASE TO BE ATTACHED TO MOBILE AND  
POWERED BY QI WIRELESS CHARGING

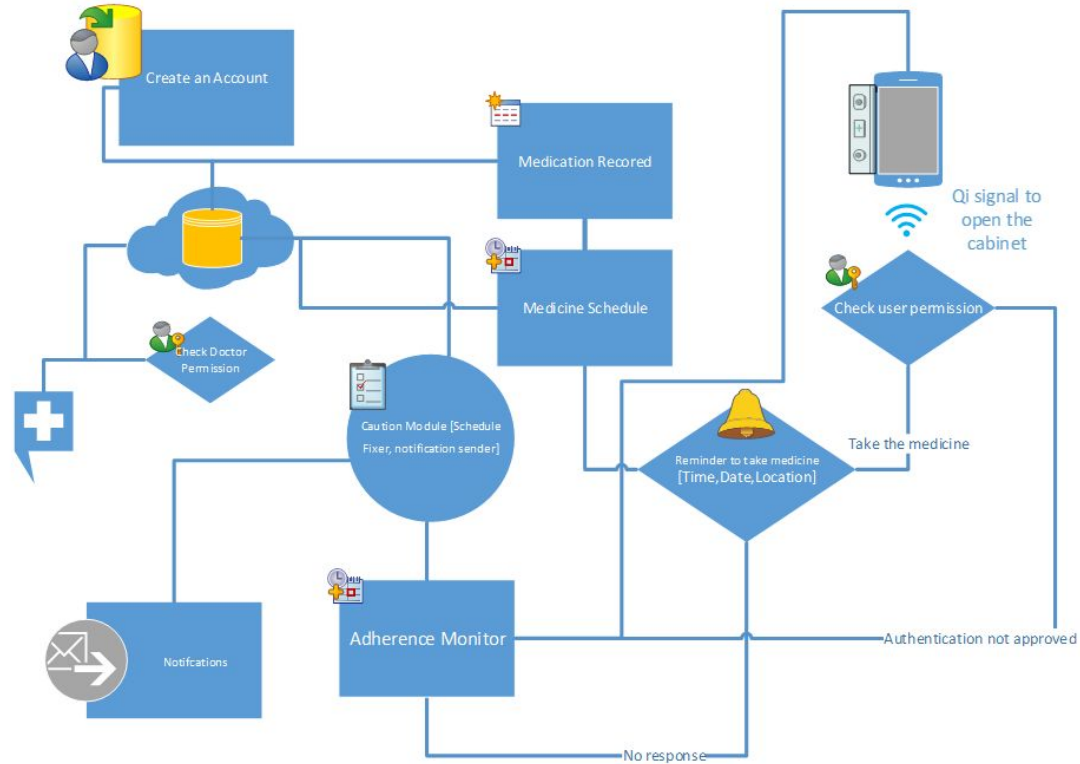
# WORK SCENARIO



# DISPENSER DESIGN LAYERS



# SOFTWARE MODULES OPERATIONS



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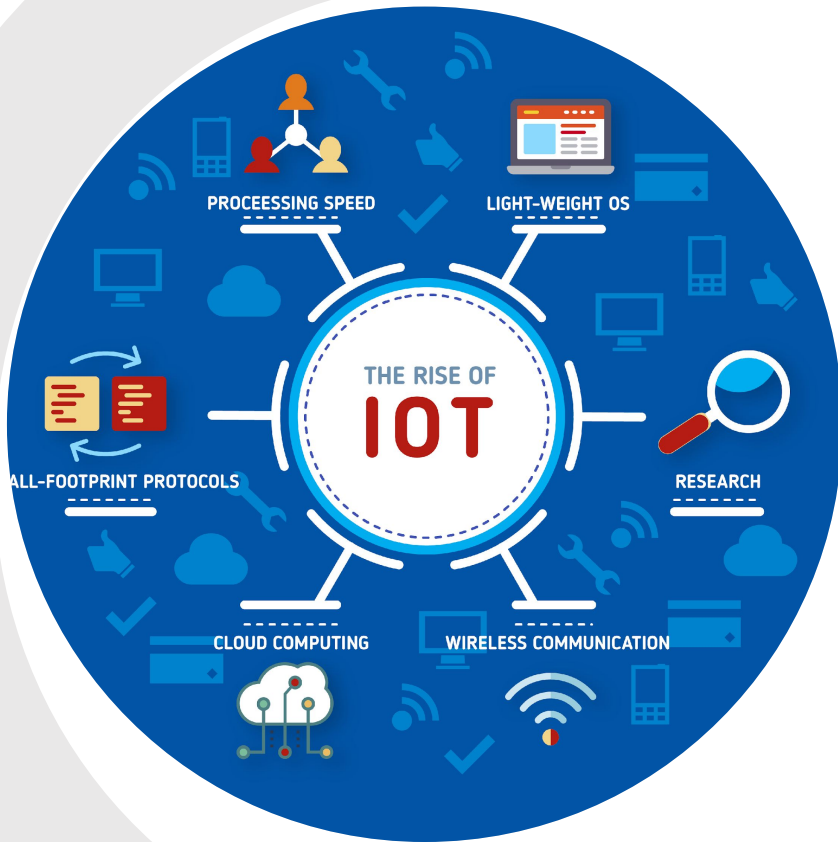
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# THANK YOU

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