Using Technology to Measure Adherence of Complicated Medication Regimens

Progress Report 5

Client
Timothy Juergens, M.D.
UW/VA Hospitals
Geriatric psychiatrist/sleep specialist
Phone: 239-3030
timothy.juergens@med.va.gov

Advisor
Professor William L. Murphy Ph.D

Team Members
Sujan Bhaheetharan (Communications) sbhaheethara@wisc.edu
Cara Dunn (BSAC) cddunn@wisc.edu
Farshad Fahimi (BWIG) ffahimi@wisc.edu
Nipun Yamdagni (Leader) nyamdagni@wisc.edu

Problem Statement
According to a recent study, almost 75% of patients, especially the elderly, do not adhere to their medication regimens for various reasons. This lack of adherence can prevent a patient’s recovery. Additionally, the present state of affairs is such that if a patient reports no improvement, a physician does not definitively know whether to try a different medication or whether the patient is simply not taking the medication regularly. To improve general health of patients assigned complicated medication regimens, we are to make a device that keeps a record of when a patient takes their medication.

Summary of Team Accomplishments
- Formed team and assigned individual roles
- Met with client and obtained project supplies
- Formulated problem statement
- Brainstormed possible designs
- Compile team members’ parts of the PDS and edit
- Create project website
- Meet with Professor Morrow to discuss possible solutions
- Research processors

Current Week’s Goals
- Further research
- Narrowing down designs
- Research possible processors to use

## Project Schedule/Important Dates

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<th>Activity</th>
<th>Sep 08</th>
<th>Sep 15</th>
<th>Sep 22</th>
<th>Sep 29</th>
<th>Oct 06</th>
<th>Oct 13</th>
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**Difficulties:** None to date.

**Activities**

**Sujan:**
- Class Meeting: 2 hrs
- Meeting with Professor Murphy: .5 hr
- Brainstorming: .5 hr
- Team Meeting: 1.5 hrs
  
**Total:** 4.5 hrs

**Cara:**
Class Meeting 2 hrs
BSAC Meeting 1 hr
Team Meeting .75 hr
Total: 3.75 hrs

Farshad:
Research 1 hr
Team Meeting 1.5 hrs
Class Meeting 2 hrs
Internet Update .25 hr
Total: 4.75 hrs

Nipun:
Research 1 hr
Class Meeting 2 hrs
Meeting with Professor Murphy .5 hr
Team Meeting 1.5 hrs
Progress report 0.25 hr
Total: 5.25 hr

Team Total Hours for this Week: 18.25 hrs
Cumulative Team Hours to Date: 57.25 hrs

Expenses: None to date.