Using Technology to Measure Adherence of Complicated Medication Regimens

Progress Report 4

Client
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Advisor
Professor William L. Murphy Ph.D

Team Members
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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

**Project Schedule/Important Dates**

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**Difficulties:** None to date.

**Activities**

**Sujan:**
- Meeting with Prof Morrow: 0.75 hr
- Class Meeting: 1 hr
- Brainstorming: 2 hr
- Communications: 0.25 hr

**Total:** 3.25

**Cara:**
- Meeting with Prof Morrow: 0.75 hr
Class Meeting 1 hr
Brainstorming 2 hr
Research 1 hr
Total: 4.75

Farshad:
Meeting with Prof Morrow 0.75 hr
Class Meeting 1 hr
Brainstorming 1 hr
Notebook Update .5 hr
Total: 3.25

Nipun:
Research 1 hr
Progress report 0.25 hr
Total: 1.25 hr

**Team Total Hours for this Week:** 13.5 hrs
**Cumulative Team Hours to Date:** 39 hrs

**Expenses:** None to date.