

## **Project:Possibility SunSPOT Project Meeting Agenda**

6:15 P.M. – 8:15 P.M. March 6<sup>th</sup>. 2008

### **Attendees:**

Irina Abramova  
Nikhilesh Kruthiventi  
Sean Bachelder  
Praveen Kansara  
David Woollard  
Winnie Yip

### **Minutes From Last Meeting:**

Dave gave out two of the remaining SunSPOTS:

0000.2ADF – Sean

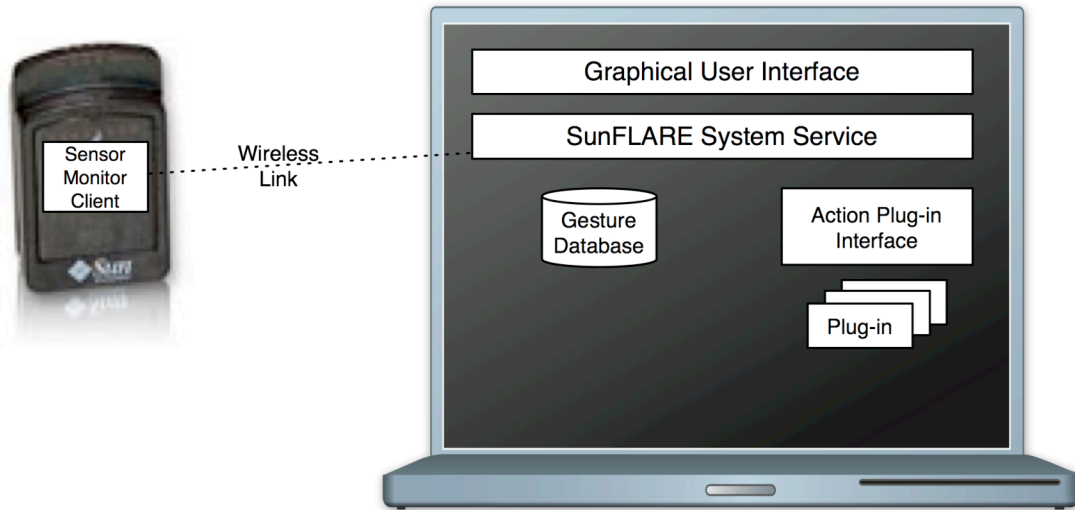
0000.2EE8 – Praveen

Dave reviewed the Status Overview document, briefly reiterating the document contents. The team discussed the need for a prototyping effort to address both the risks discussion in the Overview Document and additionally to attempt to put together a package that could be clinically tested.

Dave suggested that two members of the team work on the prototyping effort while the other three focused on the PDR material. In order to allow everyone to have both development and documentation experience, the two people working on the prototyping team would have a more significant role in CDR in order to report on the prototype effort findings. Winnie and Praveen volunteered to be on the prototyping sub-effort.

The team discussed the content of the PDR, to be held in approximately two weeks. Dave suggested an organization for the PDR material that consists of two parts: a design section and a management plan. In the design section, we will cover the architecture of the system, data flows, APIs and mockups for the user interface. In the management plan, we will discuss the schedule, risks, mitigation plans, and prototyping effort.

In order to focus efforts on developing the design for PDR, Dave suggested a high level architecture for SunFLARE as follows:



Dave suggested that there were five subsystems in this architecture and that each of the development team should research and further develop one of the subsystems. The five subsystems are:

- SunSPOT Communication
- User Interface
- Gesture Recognition Algorithm
- API for Plugins
- Persistence (Gesture DB)

Because the SunSPOT communications and recognition algorithm will be established as part of the prototyping effort, Winnie and Praveen will be responsible for these areas. Irina will be in charge of the plug-in subsystem and Sean will develop the user interface designs. Nikhilesh will be in charge of persistence design.

Dave asked each team member to spend the next week developing slides for each of their respective sections. The slides should cover: Overview of the subsystem, architectural diagrams, and data flow. For the plug-in system, the slides should additionally cover the API for third party software and three example applications that we will develop as part of the project. For the user interface, the slides should include mockups for each of the mitigation strategies discussed in the Status Overview Document. Dave will focus on the management plan for the PDR.

As next steps in the prototyping effort, Praveen will talk to Charles about getting the code developed by the remote team in the Gamepipe lab.

The next team meeting will be Thursday, March 6<sup>th</sup> at 6pm tentatively in RTH 306. Please have your subsystem design slides prepared by this meeting.

**Open Action Items:**

<b>Num</b>	<b>Description</b>	<b>Assignee</b>
2	Become familiar with the software packages described in the Development Software Deployment Document	All
3	Install SunSPOTs Hardware	All
8	Finish infrastructure setup	All
9	Get Gamepipe remote code	Praveen

**Agenda:**

1. Discuss comments RE Status Update	(Woollard)
2. Schedule	(Woollard)
3. PDR material	(Woollard/All)
4. PDR Assignments	(Woollard)

**Action Items Closed In This Meeting:**

<b>Num</b>	<b>Description</b>	<b>Assignee</b>
5	Develop prototype schedule/milestones	Woollard
6	Develop template for PDR slides	Woollard
7	Ask semester project management about the expected length of PDR and amount of time for presenting	Woollard
10	Design slides for each subsystem due next Thursday.	All

**Action Items Resulting From This Meeting:**

<b>Num</b>	<b>Description</b>	<b>Assignee</b>
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**Meeting Minutes:**