Meeting Log

Skullduggery

Greg Baker - Robert Koeninger

Advisor: Prof. Wilsey

Nov 5, 2009

Revised: Mar 26, 2010

Oct 13 - 4:00 - 5:00

Location: Wilsey's Office

In Attendance: G. Baker, P. Wilsey

Summary: 1st meeting with Wilsey

Topics:

- Discussed project ideas
- Encrypted USB
- Google Voice by GPS
- Encrypted cellular phone communication

Oct 14 - 4:00 - 5:00

Location: In class

In Attendance: G. Baker, R. Koeninger

Summary: Group Formed

- Discussed project ideas
- Decided on Encrypted USB

Oct 16 - 11:00 - 12:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Assignment - Team Contract

- Researched Project ideas

Oct 22 - 4:30 - 5:30

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: First meeting with Wilsey as a team

- Discussed project ideas, idea for encrypted phone proposed, among others

Oct 23 - 11:00 - 12:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Project changed to voice encryption

- Researched feasibility of project ideas

- Decided on voice encryption as a project
- Wrote new project description

Oct 26 - 11:00 - 12:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Made level 0 and 1 design diagrams

Oct 29 - 4:00 - 4:15

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Set up Android development environment, tried Hello, World! app

Oct 29 - 4:15 - 5:00

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Development plan Talked about development plan

Discussed:

- Project change (To Encrypted voice)
- Source control
- Test-first design
- Design goals

Nov 02 - 11:00 - 12:30

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Revised Level 0,1 diagrams, made Level 2 diagram

Nov 04 - 11:00 - 12:30

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on assignments

- Worked on Project notebook
- Worked on Task List

Nov 04 - 4:00 - 5:00

Location: In Class

In Attendance: G. Baker., R. Koeninger

Summary: Worked on en-wikiing project documentation

Nov 05 - 4:00 - 4:30

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on user story

- Worked out details of how it would work
- Decided on transparent call interface
- May require patching of OS, Phone modules, etc
- Should not be separate app
- TLS would be likely be ideal encryption method
- Warnings of non-encrypted calls should not interrupt call
- Ran into several design questions - retry encryption, failed encryption, etc.

Nov 05 - 4:30 - 5:00

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Evaluated design decisions, thought of a few new design questions, talked about cryptosystems

Nov 13 - 11:00 - 12:30

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on Task List, Time line, Effort Matrix

Nov 17 - 4:00 - 5:00

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Talked about ability to access voice data, possible locations in code to modify, progress in locating them.

Nov 19 - 4:00 - 4:15

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Talked about ability to access voice data,

- Possible that we will need to use the RIL (Radio Interface Layer)
- Probably accessible only by C code - Probably inaccessible from Java.

Nov 20 - 11:00 - 12:00

Location: Baldwin Library

In Attendance

Summary: Worked on System Requirements, Technical Specifications

Nov 21 - 11:00 - 11:10

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Decided not to meet before thanksgiving break.

Dec 03 - 3:30 - 4:15

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Updated Wilsey on project status

- Suggested use of Android Dev Phone
- Took suggestion of other possible phones
- Talked about RIL (Radio Interface Layer), potential for use in voice data

Dec 04 - 11:00 - 3:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on Design Report, Project Notebook

- Revised Meeting Log
- Revised Statement of ABET concerns
- Revised Design Diagrams
- Revised Project Contract
- Revised Project Description
- Revised Task List
- Revised Technical Specs/Stds
- Created Design Report
- Revised Project Notebook

Jan 13 - 11:00 - 12:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on UI design document

- Discussed work for the quarter, work division for the quarter.

Jan 20 - 11:00 - 12:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on project presentation

Jan 20 - 3:00 - 4:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on project presentation

Jan 27 - 3:00 - 3:50

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on Project Notebook

Feb 17 - 11:00 - 1:00

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary:

- Worked on Test Plan
- Discussed project heading (nowhere)
- Discussed potential solutions.
    - Project modification
    - Problems with acquiring information
- Discussed what we'd be talking with Wilsey about - Things to work on

Feb 25 - 2:00 - 2:30

Location: Baldwin Library

In Attendance: G. Baker, R. Koeninger

Summary: Worked on drumming up some results

Feb 25 - 2:30 - 3:00

Location: Wilsey's Office

In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Set a deadline for getting results (3/4/2010)

- Discussed debugging strategies for working on a different angle
- Should consider a project change if we're still against a wall afterwards.

March 1 - 11:00 - 12:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary:

- Discussed results of independent research.
- Divided work among Project Notebook, etc. due Wednesday, March 3.
- Robert: Design Report
- Greg : Project Notebook

March 11 - 11:00 - 12:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary:

- Hashed out structure of program
- 4 major parts:
    - Accept Thread
    - Call Thread
    - Listen Thread
    - Talk Thread
- Each corresponds to a state in the phone process
- Talk/Listen threads run simultaneously
- Modeled on BlueToothChatService[?] example given by Google

Work Division:

Greg
- Explore transmission of data
- Just Text for now

Robert
- Explore UI
- Explore Switching Station

March 16 - 1:00 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Progress Meeting Summary: Greg worked on remaining bits of data transmission Robert worked on reorganizing projects to a consistent set of locations in SVN

March 18 - 1:00 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Assignment of work for the next week

March 18 - 2:00 - 3:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, Dr. Wilsey

Summary: Updated Wilsey on work progress, work plans.

March 23 - 1:00 - 3:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary: Not much work got done; Branching project overhead probably the cause.

March 25 - 1:00 - 3:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Merged projects from separate branches (Model from previous wasn't working) Experimentation: Update would update old code with new changes, keeping non-conflicting bits together. Result: New working paradigm. svn update -> svn commit, replacing branch/merge Work Assignments:

Greg
Work on audio system - Record from mic, Send to speaker

Robert
Work on merge of code - Keep working on Switch Station, etc

March 25 - 3:00 - 4:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Updated Prof. Wilsey on progress. Suggestion: Explore Speex, etc.

March 30 - 12:30 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary: Stamped out crash bugs, audio system no longer crash on boot (UI issue)

Work Assignments:

Greg
Work on audio system (Polish server, etc. Test)

Robert
Test voice compression algorithm; Speex, etc. Evaluate for time

April 1 - 12:00 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Audio system polishing, Continued testing of Speex (Doesn't look like it'll work) Assigned Work:

Greg
Work on Encryption system

Robert
Work on phone app system - Merge into a real app

April 1 - 2:00 - 3:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, Dr. Wilsey

Summary: Updated Wilsey on Speex progress. Updated Wilsey on other progress.

April 6 - 1:00 - 3:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary:

Greg
Debugging of encryption, Encryption testing, etc

Robert
Continued testing of Comm Test

Apr 8 12:30 - 2:00

Location: Baldwin Library Att. Greg, Robert

Summary: Greg to do:

- User manager; storing UserInfo?, public key, private key (openOrCreateDatabase)
- Time the encryption
- Sequence numbers on messages (to keep current)?
- Check interdependence of packets
- Figure out blocking/timing of packets

Robert to do:

- Blocking/timing of packets

April 13 - 12:30 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary:

Greg
Test SQLite/Persistent Storage Test AES/See if it works/Block interrelation

Robert
Continue work on Comm Test

To do: Greg: Use results of Persistent Storage, etc. Robert: Convert to single-threaded model of sending, receiving data

April 15 - 12:30 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

To do: Greg: Implement changes into application/CallTalk? Robert: Write switch station interaction, etc.

April 15 - 2:00 - 3:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Updated Prof. Wilsey on progress

April 20 - 1:00 - 3:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary: Continued merge of testing apps into application proper

April 22 - 1:00 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

To do: Greg: Not much (Family) Robert: Everything

April 22 - 2:00 - 3:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Updated Prof. Wilsey on progress

April 27 - 12:30 - 3:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger Progress Meeting

Summary: Changed key exchange to public key exchange Changed encrypted phone call to secret key Tweak dummy phone to match new changes

April 29 - 11:30 - 2:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Removed SSL on SSLSwitchStation (involves certificates, etc) Cleaned up InetAddress[?]/Port exchange to InetSocketAddress[?]. Cleaner objects, etc. Worked on Tech Expo requirements

To do: Greg: Everything Robert: Not much (Family)

April 29 - 2:00 - 3:00

Location: Wilsey's Office In Attendance: G. Baker, R. Koeninger, P. Wilsey

Summary: Updated Prof. Wilsey on progress Talked with Wilsey about Tech Expo recommendations

May 3 - 11:00 - 12:00

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Pre-Tech Expo planning, logistics, etc. Met at Tech Expo to put up booth. Final testing of app (Voice, etc)

May 4

Tech Expo

May 11 - 12:30 - 1:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Documentation

May 13 - 12:30 - 1:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Documentation

May 18

No meeting (Greg's fault)

May 20 - 12:30 - 1:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Documentation

May 25 - 12:30 - 1:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Documentation

May 26 - 12:30 - 1:30

Location: Baldwin Library In Attendance: G. Baker, R. Koeninger

Summary: Documentation, final pre-report meeting stuff, etc.