

Junior Project Engineering Journal

Samad Jawaid

November 4, 2011

1 Thursday, September 8, 2011

- Set up account for GitHub

2 Saturday, September 10, 2011

- Created new Ubuntu virtual machine for development
- Chose Ubuntu because it will be flexible with whatever technologies we select

3 Sunday, September 11, 2011

- Configured Ubuntu, including SSH to `http://pss.csse.rose-hulman.edu/`
- Installed Git and L^AT_EX
- Studied Git, L^AT_EX, and Scrum

4 Monday, September 19, 2011

- Set up Python shell history
- Installed Eclipse with EGit and PyDev
- Installed Firebug for Firefox
- Installed Subversion and Mercurial to download our code and other Python packages
- Installed Django, Django Registration, Django Uni-Form, Django Ajax Validation, and Django Extensions
- Created basic prototype in our chosen tool, Django (a Python web framework for "perfectionists with deadlines")

- Included directory structure, settings, static files, templates, and proof-of-concept functionality like
 - Admin interface
 - Ajax form validation
 - Test data (users)
 - Log in, sign up, reset password, change password, log out, etc.

5 Tuesday, September 20, 2011

- Set up CSSE virtual machine for prototyping
 - Installed Nginx, Apache, mod_wsgi, PostgreSQL, and Postfix
 - Installed Git, Subversion, and Mercurial to download our code and other Python packages
 - Installed Django, Django Registration, Django Uni-Form, Django Ajax Validation, and Django Extensions
 - Launched prototype on <http://pss.csse.rose-hulman.edu/>
 - Wrote Bash and Python scripts to go from source control to live prototype, including a database backup
- Showed prototype to team

6 Monday, September 26, 2011

- Added legacy Django support to prototype

7 Tuesday, September 27, 2011

- Set up Redmine on CSSE virtual machine (<http://pss.csse.rose-hulman.edu/redmine/>)

8 Monday, October 10, 2011

- Attended client meeting with Allie
- Attended project manager meeting with Jimmy
- Volunteered to write (and then wrote) **performance requirements**, **reliability requirements**, and **usability requirements** for Milestone 3
- Incorporated all team members' feedback into my sections of Milestone 3
- Revised Trey's sections with him

- Wrote Bash script to compile L^AT_EX milestones on Linux (based on Kevin's script for Windows)

9 Monday, October 17, 2011

- Fixed random broken left double quotation marks in Milestone 2
- Incorporated Jimmy's feedback into my sections of Milestone 3

10 Tuesday, October 18, 2011

- Created use cases features mapping table for Milestone 2
 - This had been assigned to Chris.
 - He did not do it for the original submission.
 - Then, he did not do it for the revised submission, despite being blatantly reminded by the rest of the team.
 - Wanting to easily earn back lost points, I just stepped up and did it.
 - We earned back some lost points.

11 Wednesday, October 19, 2011

- Attended client meeting with Allie
- Attended project manager meeting with Jimmy
- Volunteered to write **test cases** for Milestone 4
- Promised to rapidly develop prototype
- Evaluated my team members
- Decided to start caring about this Engineering Journal

12 Thursday, October 20, 2011

- Wrote **test cases** for Milestone 4
- Helped complete Weekly Assessment Report
- Helped compile Milestone 4

13 Saturday, October 22, 2011

- Wrote database models code
- Exported database models code as diagram
- Worked on the prototype
 - Added a welcome message
 - Added an account for Allie
 - Fixed some URL issues

14 Monday, October 24, 2011

- Worked on the prototype
 - Implemented rough administrator interface
 - Started implementing use cases for listing, creating, editing, and deleting experiments

15 Tuesday, October 25, 2011

- Worked on the prototype
 - Applied CSS to mimic client's actual website

16 Thursday, October 27, 2011

- Helped complete Weekly Assessment Report
- Worked on the prototype
 - Made progress on researcher experiment management

17 Friday, October 28, 2011

- Worked on the prototype
 - Created very thorough test data

18 Saturday, October 29, 2011

- Worked on the prototype
 - Implemented basic structure of all researcher experiment management (user interfaces)
 - Added cool jQueryUI timepicker
 - Added AJAX validation to the remaining forms without it

19 Sunday, October 30, 2011

- Worked on the prototype
 - Fixed some to-do's
 - Enhanced some field validation

20 Monday, October 31, 2011

- Worked on the prototype
 - Fixed some more to-do's
 - Enhanced some more field validation

21 Friday, November 4, 2011

- Helped complete Weekly Assessment Report
- Contributed to Milestone 5
 - Wrote **interaction architecture**
 - Wrote **interface design**
 - Took and cropped screenshots of prototype