Junior Project Engineering Journal

Samad Jawaid

October 25, 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 LaTeX

- Studied Git, LaTeX, 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 LaTeX 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   Monday, October 24, 2011

- Worked on the prototype

    - Applied CSS to mimic client's actual website