

Junior Project Engineering Journal

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September 22, 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