

Milestone Duties

Nick Gordon

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1 Software Architecture Plan

1.1 Identify necessary hardware & software technologies

The necessary software technologies will be Meteor. Meteor in turn depends on JQuery, itself a framework built upon JavaScript. Additional software technologies will include MongoDB as bundled with Meteor, and various other JavaScript frameworks, including underscore.js and require.js. The project is developed using the Vagrant virtual machine system, to emulate server-like conditions and to unify the test platform. Other technologies, such as those for individual developer IDEs or desktop environments, will not be managed as part of the project. Necessary hardware includes only standard web server-like specifications.

1.2 Describe user interaction interface

The user interaction interface, with respect to the visual appearance, will be modeled after the existing MoFaCTS system; a web-browser will request webpages. These webpages will provide low-latency (<10s) responsiveness for updates of the data visualized. The user will interact with the system using the existing button-oriented, mouse-operated system.

1.3 Name the programming languages to be employed

The project will be developed in HTML and JavaScript. Additionally, database interface code will be implemented in MongoDB's query language. The HTML structuring will be supplemented with CSS.

2 Feedback Plan

2.1 Design Feedback system

Bitbucket's integrated issue tracker is used to collect bug reports, feature requests, design suggestions, etc. Emails are dispatched to the developers whenever an issue is submitted to the tracker.

2.2 Inform customer of this system

The customers have been informed of this system on *<2016-02-10 Wed>*.

3 Collaboration Plan

3.1 Communication Platforms

The team communicates using a slack channel, *crted.slack.com*, with team members communicating using both the desktop and mobile versions of slack. For communication with the customer, the team uses email.

3.2 Meeting Locations and Times

The team meets each Monday and Wednesday at 2:20 until 3:45pm. Meetings have been scheduled with the customer at each milestone, and two weeks and one week before the milestone is due. These meetings are currently scheduled for 11:30am on Friday. Team meetings currently happen in FIT227. Customer meetings currently happen at FIT403a.