

**Initial Design Document
for
Aperture VMAN (name subject to change)**

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Questions which need to be answered to initiate the design process:

I. System Frontend

A. Web Application

- i. Possible / desirable to adapt existing CMS frontend?
 - a) PAST&E's website currently uses Drupal 7 CMS. Should this project be a plugin to Drupal, or a standalone web application?
 - b) Further, there are existing plugins / Drupal modules which are very close to what we need (for example, <http://drupal.org/project/calendar> and <http://code.google.com/p/drupal-shift-scheduler/>). Should we attempt to adapt one of those?
- ii. Web Application Framework if standalone?
 - a) Catalyst
 - b) Django
 - c) Ruby on Rails
 - d) ?
- iii. Do we want a specific viewer for phones or possibly phone app integration?

II. System Backend

A. Use existing backend?

- i. Existing site uses Apache and MYSQL 5.0 running on Linux, which is presumably set up through GoDaddy Hosting Connection.
- ii. If not using existing backend, then need to decide OS, httpd and SQL implementation.

B. Hardware

- i. If not using existing backend, then Team Aperture-provided?
- ii. How powerful is the system we are going to use?
 - a) RAM
 - b) CPU
 - c) Disk
 - d) Transfer bandwidth (bitrate + monthly transfer limit)