Tufts Photo Management System
Design Documents

Requirements

- Log into jobs manager and Photoshelter at one time
- Request a job
- Ability to upload supporting documents to a job
- Search/Sort all current jobs
- Organizational structure through which to group jobs based on shared information
- Project creation and organization within groups
- Move more than one job from one status to another
- Edit basic job information
- Edit job's shoot information
- Ability to generate directions and see them on a map
- Add multiple clients to a job
- Add multiple photographers to a job
- View billing information
- Edit billing information
- Generate invoices
- View job history
- Create and edit internal notes
- Email different templates at certain stages in job's progress
- View all photographers
- View photographer's contact and billing information and location
- 1-click email to photographer
- Edit photographers information
- Delete photographer
- View all clients
- View client's contact and billing information
- 1-click email to client
- Edit clients information
- Delete client
- Client has ability to request to be added onto a specific job
- View log of history on jobs manager
- View calendar of all jobs

Development Rationale:

The web application was developed using the Symfony PHP framework. We used Symfony because it helps speed up the development process and helps partition the code into different sections for parallel development. This framework aids in the development process by providing efficient database linking, separation of code modules, and helpful error reporting platforms

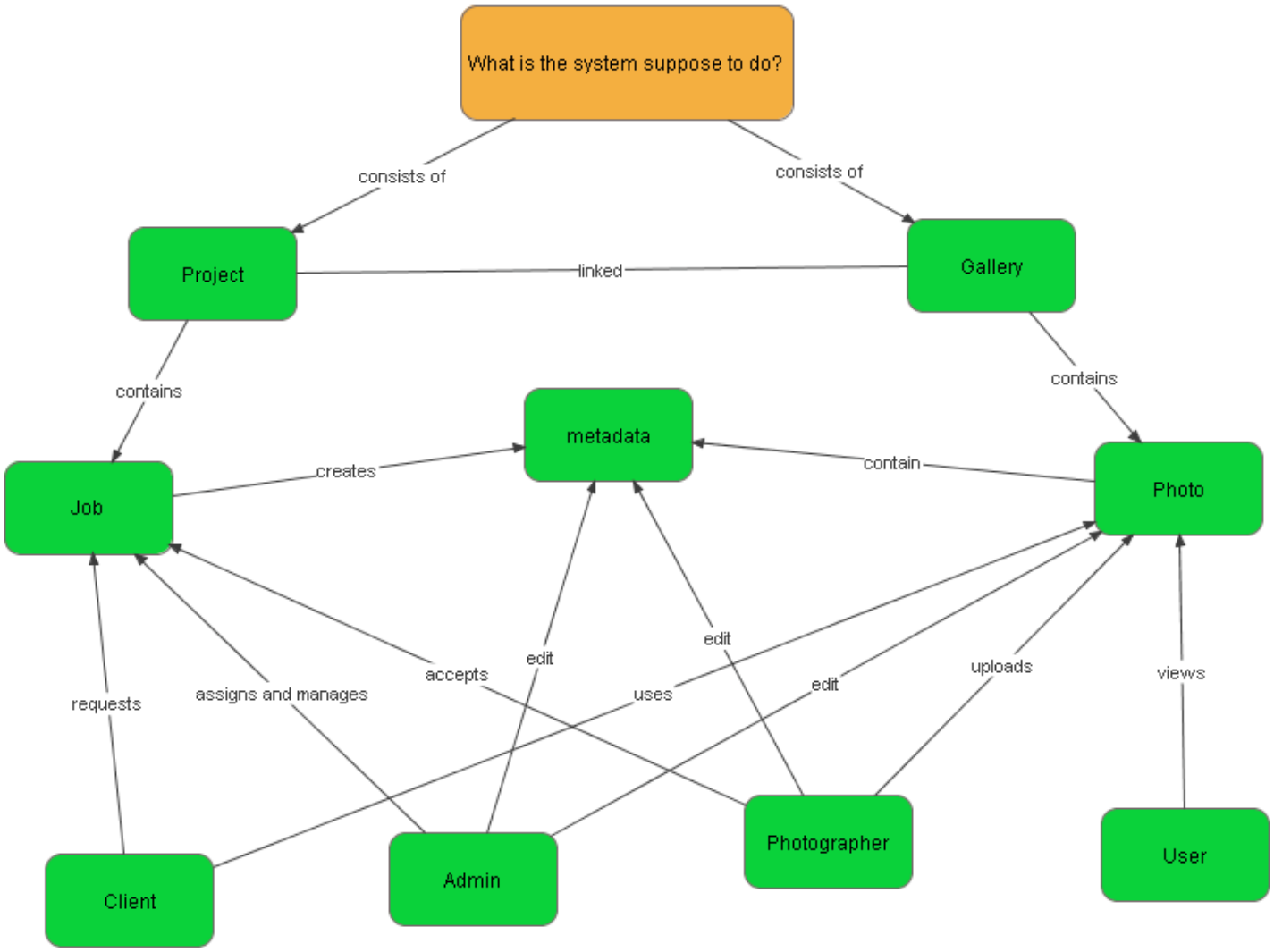
(among many other benefits). The page routing through the application is a Symfony trademark, and helps the programmer, tester, and end user navigate easily through the system. More information, documentation, and tutorials about Symfony can be found at: http://www.symfony-project.org/

The database for this project is a MySQL database. It can be managed by utilizing phpMyAdmin.

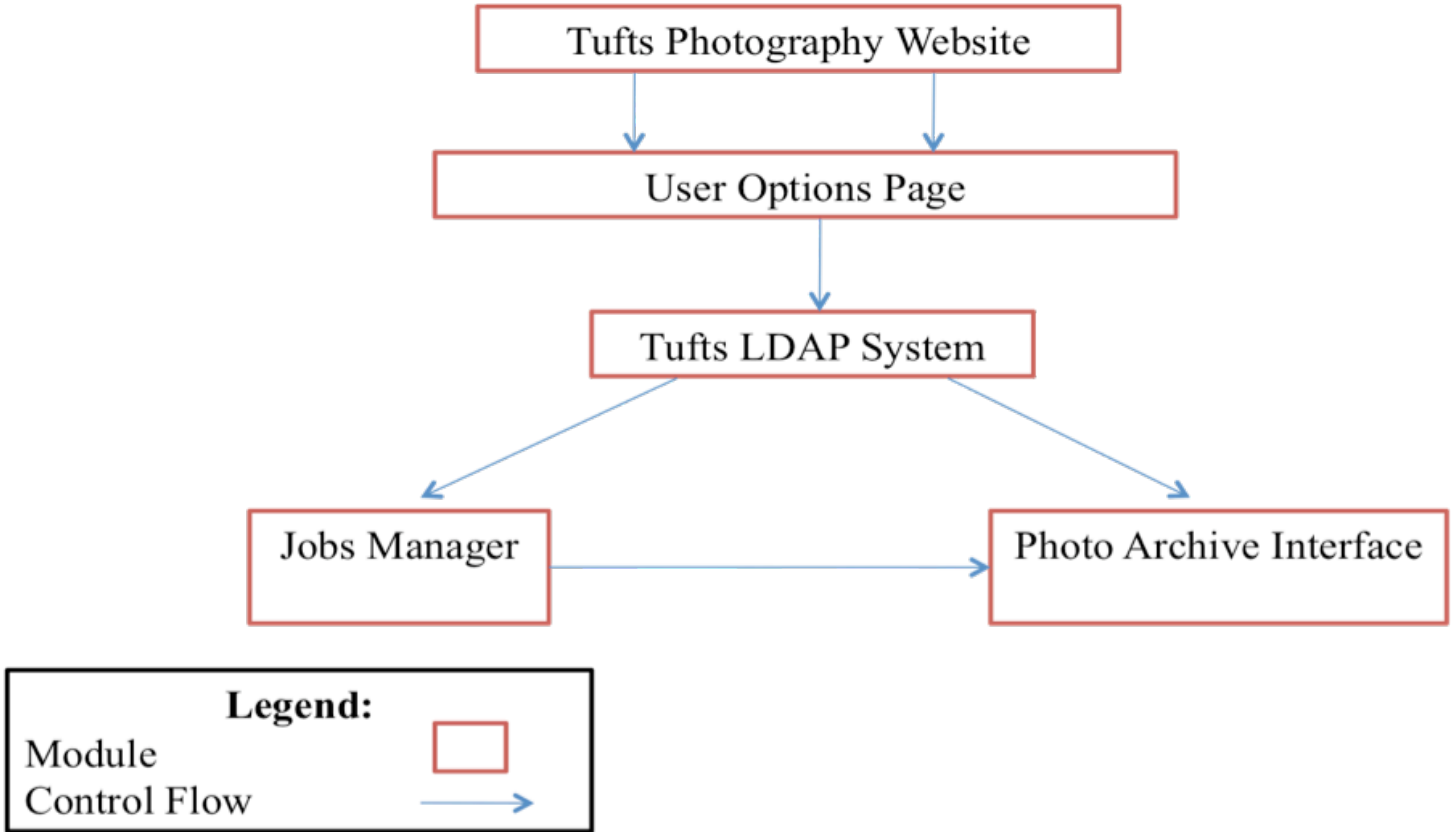
Uncompleted Requirements

- Cost Estimate Calculator
  - There would have been a link on the bottom of the job view page where you could have clicked for an estimate of the cost of the job you submitted. It would have taken the processing fee and added the payment per hour for the length of the shoot and calculated the estimated cost of the job.
- Photographer references linked to samples of his or her work in the archive
  - On the photographer view page, there would have been a link to his/her samples of work and references. When adding a photographer to the database you would have been able to attach a document for the references and put in a website for the samples of his/her work
- Mileage Calculator/Generator
  - When a photographer logs in, there would have been a mileage calculator on the job view page where it takes the photographer's location and the shoot location and calculated the mileage between them. The calculator would have used Google maps to calculate the mileage.
- Click to jobs from corresponding photos
  - When you are viewing a photo in PhotoShelter there would have been a link to the photos job in the jobs manager. It would have taken the metadata from the photo of the job id, and linked it to the job view page of that job id in the jobs manager.
- Click from jobs to photos
  - When you were viewing a job that had been completed, there would have been a link on the job view page to the jobs photos in Photoshelter. It would have taken the job id and project name and found the corresponding job id in that project (gallery) in PhotoShelter, and then linked to the page for the gallery.
- Number of remaining downloads
  - This requirement was never discussed with the University Photography Department
- Amount billed by Tufts Photo by fiscal year
  - This requirement was never discussed with the University Photography Department
- Stats and reports
  - This requirement was never discussed with the University Photography Department

Concept Map


What is the system suppose to do?
consists of
consists of
Project
linked
Gallery
contains
contains
metadata
creates
contain
Job
Photo
requests
assigns and manages
accepts
edit
edit
uses
edit
uploads
views
Client
Admin
Photographer
User

Connector and Component Viewpoint



LAMP Stack **(smaller boxes represent more specific functionality)**