

INF 555 – Homework 2

Due date: 2/17/2016

Amateur astronomers spend hours on taking and processing images from stellar objects. These images are called **astro-images**. Each image has many **attributes** including **object name** (e.g. Jupiter), **object category** (e.g. Solar System), **description**, **photographer**, **location**, **date**, **Equipment** and perhaps some **tags**. Images may have any size.

An astronomy club would like to have a website to show off their members' astro-images to public. **Users** should be able to **filter images** based on category, object name, photographer and perhaps search for images. **Photographers** may **login** to the site, and **upload** new images or **delete** one or **more** of their existing images. Photographers might have multiple images with the same set of attributes and wishes to upload them all at once. Uploaded images will be **reviewed** by a reviewer before becoming available to **public**. **Reviewer** is allowed to **delete** images on the site at any time.

Homework 2 is about design a web site for this club. You do not need to design the login page. Assume that you know what type of user is working with the system. You will need to turn in:

- 1- A document in pdf format, very organized and clean and not handwritten.
 - a. Based on the description above, what are the provisioning personas? Do not describe, name them.
 - b. Briefly describe each persona's needs.
 - c. What html pages do you think you will need to have for this requirement? Name them (such as reviewer.html) and briefly describe their function
- 2- Download a few astro-images from the web. Make sure it is not high resolution. You can google it or get a few from <http://www.astro-imaging.com/Latest.html>
- 3- Develop the prototype for the website, in html format:
 - a. This prototype should show the final look and feel of the website.
 - b. Do not develop any server side functionality. Briefly describe the UI element behavior that requires server side function in the pdf document.
 - c. Links should be functional, hard code image names and any data in your html file for simplicity.
 - d. This prototype will be your design; it should be a complete design. Pick right colors, UI elements, element location and behavior.
 - e. Implement all client side behavior
- 4- Zip all files (including pdf, html, js and images), name it <yourFirstName>_<yourLastName>.zip. Make sure the zip file preserves folder structure.
- 5- Name the default web page for each persona <personaName>.html. Write the default page names in the pdf file.

This assignment should be completed individually (not in groups)

Handwriting is not acceptable.

Similar solutions will not be graded. Document must be easily readable to be graded.

Turn in the zip file or email me Soheili@usc.edu. Please send me only one copy of your design.