CPI310 – Final Project

Team developed web-application

Description

The goal of this project is to create a multi-user web application. The users should be able to consume and create information that should be stored on the website.

Specifications

Should have at least the following functionality:

- Multiple user website
  - You should provide a log-in and registration
  - You should do some research to make sure at least basic security is met
- Individual user accounts
  - An individual account should do something meaningful
  - Interactivity with other users is encouraged, but not always appropriate for your project - don't shoe-horn it in. Speak to me to clarify your idea.
- Use of a database
  - Multiple tables as needed
  - Correct use of relationships
- Should provide a 'real world' solution to a problem
  - You get to define the problem you would like to take on
    - Be Creative!
    - Eg – Interactive News, Social Networking, Class Scheduling, Classroom Booking, Course delivery, Online meeting/collaboration space, Blogging, Games, etc.
- Make use of appropriate technologies
  - HTML, CSS, JavaScript, etc.
  - There is a lot of flexibility here depending on the project

Defining Your Project

One method to help define your project is to answer these questions:

- What is the goals/topic of the web app?
- Who is your customer?
- Who are the users that contribute content?
- What "other tables" do your users interact with?
- What do users contribute to the database?
- What can viewers of the site do?
- What are the relationships in the data-base tables?

FAQ

- Why so vague? -- It's a 300 level course and I want to maximimize your creative control, agencey and ownernship. Repeated feedback from previous version of the class have made me decide to keep to a core set of specifications, but not dictate much else.
- Can we use online APIs? Like can I make use of content from other websites to make some sort of analysis or other site? -- As long as its legal, yes you can make use of other sites APIs.
- Do I NEED a database or can I use another/similar technology? -- Yes, you can use other technologies. Don't rely on any lectures on those specific techonologies though
- Can I use thing like Bootstrap? Yes, try to stick to the 20% rule though. Don't just rely on copy/paste.
- Can I use things like gitHub? Yes, this is encouraged.
- Can I use other languages/packages/etc? Yes. Make sure you have a laptop set up to run your web-app during demonstration times.

Cool Ideas I've Seen Around:

- Shared Alarm Clock - users create accounts, set up social links, create meeting alarm clocks and such
- Healthy Diet Grocery List - users create grocery lists and other can comment and help them make healthier choices (maybe even edit the list directly with comments)
- Accessiblity "Yelp" - Rate businesses and buildings according to their ADA compliance. Leave reviews, take pictures, etc.
- Pet Friendly "Yelp" - Rate businesses and building according to pet friendliness. Leave reviews, take pictures, etc.
- Custom News Feed - Sick of Facebook/Google making decisions? Allow users to pull from different news sources to make their own news feeds. Share with others
- Persistent Game - Make some sort of game which will save user progress. Attach discussion to the game for tips/tricks.
- Persistent Game 2 - Make a drop in/drop out multiplayer game saving progress, etc.
    - About games ... Games are great and complicated, but if you choose to make a game KEEP IT SIMPLE! just making a fun game can be an incredible undertaking as is. Don't lose focus that this is a Web Application first and foremost