IS 337 Drupal Term Project – Requirements

The term project for IS 337 is a full-featured website of your own design and construction for a local non-profit agency or other group. The website should be fully implemented and functional with an attractive custom theme, good content, and functionality appropriate to the needs of your client. The website will be implemented with the Drupal, MySQL, PHP, and Apache running on Ubuntu Linux and published to an Internet service provider with a domain name selected by the client.

The website should have
- A base of Drupal 7, with an attractive customized theme
- Live content from the client, so that the site is ready to go live. This includes content for all the implemented modules, e.g. image gallery, calendar, online store, etc.
- Functionality sufficient to cover all the use cases
- Good usability. It should be obvious how to do all the tasks in the use cases
- The ability for users to create accounts and log in and out if needed
- Roles of authenticated user, editor, and administrator (at least) set up appropriately
- Secondary links including about, privacy policy, and contact us. A suitable privacy policy agreed to by the client. An about page and contact form
- A blog
- A custom content type used appropriately, with a custom view for the content type
- Custom PHP and CSS used in your custom template
- Google Analytics
- Two of the following special features: image gallery, event management/calendar, wiki, online store, forums with Mollom—or other approved special features as needed for your project

At or before the final exam time period you will turn in your written report and give a copy to your client. It should include
- Meeting minutes (time, place, who was present, decisions made)
- The project brief (checkpoint 0)
- The project definition (checkpoint 1)
- Explain how and where PHP is used, where a custom content type and view are used, and what the two special features you implemented are
- Give a SEO analysis of the website and a plan for improving SEO
- Give logins and passwords for Web hosting and for the Admin user in Drupal
- Include user documentation to be given to client: explanations of how to accomplish tasks administrators and editors will need to do
- Deployment plans: will this be deployed and used? Domain name? Hosting info?
- Report on two client meetings, initial and final, including date, time, place, and who was present. Give the client’s reactions to and plans for the site
- Include a page of access information including logins, passwords, where the source code is located, etc. (Include in this report and give a copy to the client)
- Include results of user testing and actions taken to correct issues that were found
- Comments on the experience: what did you learn? how could the project be improved next time?

At the end of the semester you will give a brief oral report and demonstration of your website for the class. You should report on the client’s needs and desires for the site, show the site you developed, and report on the checkout meeting with the client, giving the client’s reactions to and plans for the site.
Grading (Drupal version)

A. Written report + presentation (20%)
1. Project brief as described in Checkpoint 0
2. Project definition as described in Checkpoint 1
3. Test plan and testing results
4. An explanation of where and how a custom content type and view are used
5. An explanation of where and how custom PHP and CSS are used
6. A SEO analysis of the site analyzes the site for all the SEO suggestions given in class and describes how any deficiencies may be addressed
7. Report for client including where everything is located, hosting info, login information and passwords for Web hosting and database, admin user name and password
8. Report on two meetings with client including client’s reaction in the checkout meeting
9. Report on deployment plans
10. Oral presentation of project

B. Website (20% for each part)
1. Contains the following basic features:
   - Name and slogan on home page; mission and purpose statements on home or about page
   - Primary and secondary navigation links
   - Roles of authenticated user, editor, administrator, and any others needed are set up appropriately
   - About page
   - Contact us form
   - A suitable privacy policy as discussed in class
   - Blog if relevant
   - Two approved features (image gallery, event management/calendar, wiki, store, etc)
   - Performance optimized: caching turned on. Unused modules and themes disabled. Make sure cron is running regularly.
   - Must be deployed on calvincs.com Dreamhost account
2. Has good content:
   - Live content from clients for all content types
   - Site should be ready to go live with all needed real data
3. Has an attractive custom theme with changed artwork and other changes from the theme on which it is based, based on the client’s design:
   - Changes to the CSS stylesheet
   - Custom favicon.ico, screenshot.png
   - Changes to the artwork
   - Uses custom PHP in a significant way
   - Google analytics implemented as part of the theme
   - Good usability: it should be easy and logical to accomplish the tasks listed in the use cases as well as basic tasks such as logging in or out, viewing the privacy policy, etc.
4. Has a custom content type and custom view:
   - Custom content type with fields that are appropriate for the application
   - A working custom view for viewing teasers of content of that type in a block on the home page
   - The content types created with two approved features (photo gallery, calendar, etc) don’t count for this requirement