CS4610 Project 1

CS4610 Personal Info/Hobby Hub

Personal Info/Hobby Hub

October 11, 2017

Scott Wilder

CS4610 Project 2

**Introduction……………………………………………………………………………………………………………………………………… 3**

**Project Overview………………………………………………………………………………………………………………………………. 3**

**Project Deliverables……………………………………………………………………………………………………………………………4**

**Project Organization…………………………………………………………………………………………………………………………..4**

**Tools and Techniques…………………………………………………………………………………………………………………………4**

**Project Management Plan………………………………………………………………………………………………………………….5**

**Tasks………………………………………………………………………………………………………………………………………………….6**

**Timetable……………………………………………………………………………………………………………………………………………7**

CS4610 Project 3

**Introduction**

**Project Overview**

The personal info/Hobby Hub Project, will be referred to as ScottsHub or its URL <http://54.201.229.49/FirstServlet3/Home_Page.html>, will provide me with a place much like a facebook page / Instagram to post personal photos of my hobbys. These hobbys like fish keeping and fishing will allow me to post photos and text updating fish that I am keeping and fish that I am catching. An example of a text update would be new fish caught. However, to make it more interactive for other users, is the ability to create an account to comment on these updates and even like them like other social media apps. There will also be question submission area were users can submit questions to me. An example of this is if I post a picture of a fish I caught another user could ask what kind of bait did I use. Alongside the hobby portion I would add a professional section including my resume, previous work experience, and projects I’m working on.

CS4610 Project 4

**Project Deliverables**

<http://54.201.229.49/FirstServlet3/Home_Page.html> should deliver:

* Entity-Relationship model database and diagram for users, comments, likes, and questions.
* User registration

- For this project users can use their own personal email for registration

- The user will also be able to create their own profile with a screen name, email, passwordUser login with ability to see and update their profile

* Ability for a user to comment
* Categorized view of different photos and comments

**Project Organization**

**Tools and Techniques**

Static web content will be stored on an EC2 instance running Apache Web Server. The domain name <http://54.201.229.49/FirstServlet3/Home_Page.html> will be assigned to the IP address of the Apache Web Server instance. The Apache Web Server instance will depend on another EC2 instance running Apache Tomcat for Java servlets and MySQL for database functionality. The database will store persistent data created by users. The servlets will interact with the database and return dynamic content to the user but primarily me. Eclipse IDE will be used to develop Java servlets and Notepad++ text editor for the other development purpose. Bootstap will also be used.

CS4610 Project 5

**Project Management Plan**

**Tasks**

1. Create E-R model diagram for project.

* Description: Entity-Relationship model describing the database tables for users, name email, password, comments, comment topics.
* Deliverables: An Entity-Relationship model diagram for the project database.

1. Create static web content and templates

* Description: The general look of the website without the dynamic interactions
* Deliverables: HTML, CSS, and JS code that provide a general overview of the site, bootstap

1. Create user registration

* Description: The database and servlet functionality needed for user registration
* Deliverables: Database table that models users and Java servlet code that executes user registration

1. Create user login

* Description: The servlet functionality needed for user login
* Deliverables: Java code that manages the login and session process

1. Create commenting controls

* Description: The functionality needed to comment
* Deliverables: Database table that models comments, topcis

CS4610 Project 6

**Tasks (cont.)**

1. Create category page for hobbys, reusme

* Description: Pages for certain categories (e.g. hobbys) with comment section from DB
* Deliverables: A Java servlet that returns a category page populated with entries from the database given a certain category

1. Create user profiles pages

* Description: Profile pages for each user that displays information, private messages sent, comments, and likes.
* Deliverables Java servlet code that returns the data associated with the user in the database on a profile page

1. Write project report and prepare in-class demo

* Description: Project report as described in the project description appendix and a demonstration of the delivered product in class
* Deliverables: The project report and a presentation in class

CS4610 Project 7

**Timetable**

Week of October 16th: Start task 1

Week of October 23th: finish task 1 and start task 2

Week of October 30th: finish task 2 and start task 3

Week of November 6th: finish task 3 and start task 4,5

Week of November 13th: finish task 4,5 and start task 6,7

Week of November 20th: finish task 6,7 and start task 8,9

Week of November 27th: finish task 8,9 and any remaining work