

The University of British Columbia Okanagan

COSC 360 - Web Programming



Milestone 2

Client Side Experience/Report

Andy McDonald - 10817245

Noah Ward - 86636347

Livia Zalilla - 19091479

Due Date: November 14th, 2021

Executive Summary

This report documents the work completed to date towards the completion of our web-based discussion forum. Featured are examples to demonstrate our planned and executed layout for the site pages. Our created site map is added to show how the pages are linked together in the site. The logic processes of the site are outlined followed by a discussion of our style and design choices on all the pages. Client-side validation and security is then touched upon at the end of the report.

Table of Contents

| | |
|---|----------|
| Executive Summary | 1 |
| Layout Document (Examples of Each Page Type And It's Design) | 2 |
| Planned Layout/Design: | 2 |
| Admin Portal: | 3 |
| Sample Category Page: | 3 |
| Home Page: | 4 |
| Log In /Sign Up Page: | 4 |
| Sample User Post: | 5 |
| Sample User Profile: | 5 |
| Organization of Pages (Site Map) | 6 |
| Logic Process | 7 |
| Style and Design Discussion | 7 |
| Client-side Validation and Security | 8 |

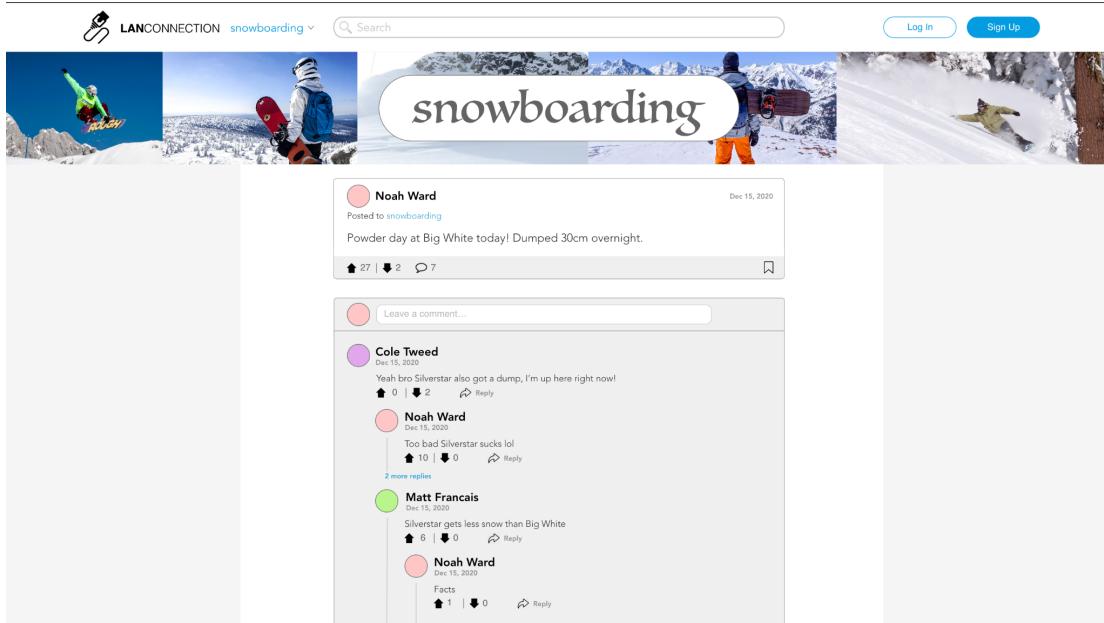
Layout Document (Examples of Each Page Type And It's Design)

Planned Layout/Design:

The design for the pages was planned before execution using AdobeXD. Our original planned outline can be seen below. Implementing the CSS styling was simple after planning the pages, as <div>'s were already planned out.

Category Page:

This is an example of the category page. This page will update with php when clicking on different categories. The implemented design was slightly different, where you can browse posts without seeing comments. To see comments, you must click on the post, which takes us to our next page, a post page.



Profile Page:

When signed in, you may navigate to your own profile page. From here you can view your posts as well as edit personal information such as your profile picture.

The screenshot shows the LANconnection profile page for user Noah Ward. At the top, there is a navigation bar with the LANconnection logo, settings, and a search bar. Below the navigation bar, the user's profile picture (a pink circle) and name (Noah Ward) are displayed, along with the handle noahward. There are three posts listed on the left:

- Noah Ward** Posted to snowboarding Dec 15, 2020
Powder day at Big White today! Dumped 30cm overnight.
Upvotes: 37 | Downvotes: 2 | Comments: 7
- Noah Ward** Replying to Cole Tweed Dec 15, 2020
Too bad Silverstar sucks lol.
Upvotes: 10 | Downvotes: 0 | Comments: 2
- Noah Ward** Posted to hiking October 4, 2020
Went for a little hike up Arrowsmith today.

Upvotes: 44 | Downvotes: 6 | Comments: 1

On the right side, there is a sidebar with options: Bookmarks, Activity monitor, and Logout. Below the sidebar is a "Create a post" input field with a camera icon and a "Post" button.

After the initial planning was completed we were able to recreate many of the design elements in our styled pages. Samples of each of the page types are located on the following pages.

Admin Portal:

The screenshot shows the LANconnection Admin Portal. On the left, there is a large background image of a snowy landscape with a snowboarder. The main content area has the LANconnection logo and tagline "Lively Adventures Nonstop". Below the logo is a section titled "Admin Portal" with a "Search for User" input field and a "Search" button. A table lists four users:

| Full Name | Username | Email | Profile Page |
|-----------------|----------|--------------------|-----------------------------------|
| Noah Ward | noahward | noahward@gmail.com | Noah's Profile |
| Andy McDonald | andymcd | andymcd@gmail.com | Andy's Profile |
| Livia Zalilla | liviaz | liviaz@gmail.com | Livia's Profile |
| Another Student | username | email | Another's Profile |

Sample Category Page:

The screenshot shows a category page for "snowboarding". At the top, there is a banner featuring several snowboarding-related images and the word "snowboarding" in a large, bold font. Below the banner, there are two posts by user "noahward".

Post 1: Dec 15, 2020
Posted to [snowboarding](#)
This black line below should be made to not appear by deleting the img tag if no media is uploaded during a post.
Leave a comment

Post 2: Dec 15, 2020
Posted to [snowboarding](#)
Powder day at Big White today! Dumped 30cm overnight.
Leave a comment

Home Page:

The screenshot shows the home page of the LANconnection website. It features three main sections: "Categories", "Popular Posts", and "Personal".

Categories: Mountain Biking, Hiking, Climbing, Snowboarding, Golf, Hockey.

Popular Posts:

- Post 1:** Dec 15, 2020
Posted to [snowboarding](#)
Powder day at Big White today! Dumped 30cm overnight.
Leave a comment
- Post 2:** Oct 20, 2021
Posted to [climbing](#)
Wow I'm so good at climbing rocks, nobody will ever be better than me
Leave a comment

Personal:

- Create a post
- Category
-
- Settings
- Bookmarks
- Activity Monitor
- Logout

Log In /Sign Up Page:

LANCONNECTION

Lively Adventures Nonstop

Login

Email

Password

Login

Sign up with email

First name

Last name

Username

Email

Upload a profile picture

Sign Up

Sample User Post:

The screenshot shows a user post interface. At the top, there is a navigation bar with a logo, a search bar, and a "Login / Sign Up" button. The main content area displays three user posts in a vertical list.

- Post by noahward (Dec 15, 2020)**

Posted to snowboarding

Powder day at Big White today! Dumped 30cm overnight.

7 likes, 2 comments

Leave a comment
- Post by coleytweed (Dec 16, 2020)**

Silverstar gets less snow than Big White

14 likes, 1 comment
- Post by coleytweed (Dec 16, 2020)**

This is another comment placeholder, which takes up multiple lines for testing purposes, etc

2 likes, 0 comments

Sample User Profile:

LANCONNECTION Home ▾

Search

Login / Sign Up

Filter by: Newest Upvotes Downvotes

 noahward Dec 15, 2020
Posted to snowboarding
Powder day at Big White today! Dumped 30cm overnight.
Heart 7 2 Comment 3

 noahward Dec 15, 2020
Posted to snowboarding
Powder day at Big White today! Dumped 30cm overnight.
Heart 7 2 Comment 3

 noahward Dec 15, 2020
Posted to snowboarding
Cool picture of simon climbing.

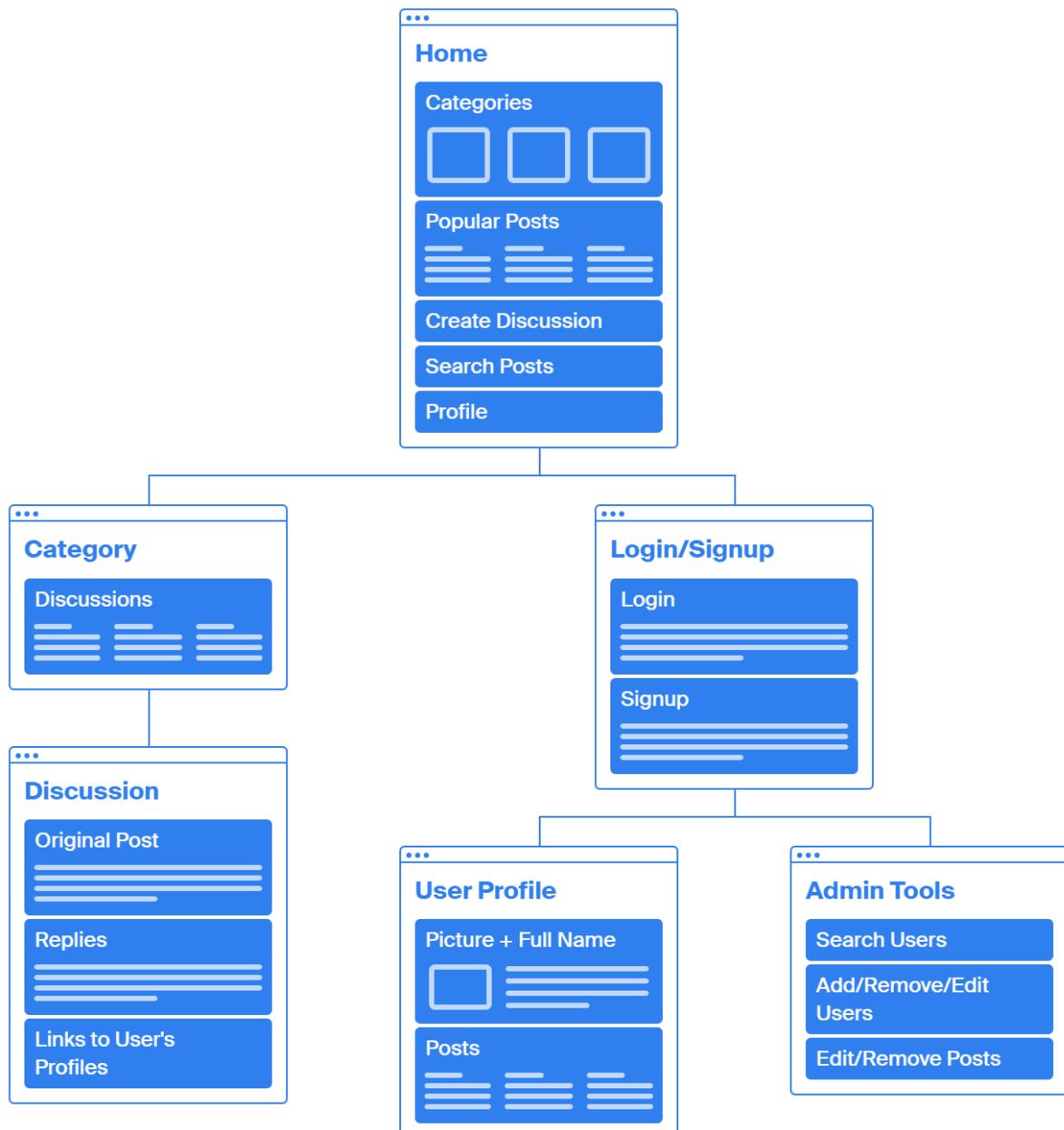

Noah Ward
noahward

Bookmarks
 Activity Monitor
 Logout

Organization of Pages (Site Map)

The site map below visually shows the traversal of the website, as well as detailing some of the elements that appear on each page.



Logic Process

The list below outlines the different functions available on the site by the user. These will translate to required server interactions in the next stages of development.

- User Processes
 - Sign Up
 - Login
 - Logout
 - Update Profile
 - Search Discussions
 - Browse Discussions
 - Create Post/Discussion
 - Add Reply to existing Post/Reply
- Admin Processes
 - Search Users
 - Add/Remove/Edit Users
 - Edit/Remove Posts

Style and Design Discussion

The styling of each of the pages of the site were made to match each other. An off white was used as a background to make all the pages clean and easy to read and fonts were held consistent across the site. The home page features three columns that give the user multiple ways to interact with the site as soon as possible. The navigation bar, which appears on many of the pages, uses Bootstrap and allows the user to quickly navigate to a different part of the site. As snowboarding is our main source of inspiration, it is used not only as our sample category page, but to decorate some of the general pages like the admin portal as well. The same styling of posts is used across all pages that display any sort of post or reply so that any user can easily recognize what they are viewing even across different pages of the site. The forms used for login, signup and admin functions all use the same styling so as to appear consistent and uniform. Finally, although not shown in the sample pages, if an admin is signed in, extra buttons will be displayed to them on posts and replies that allow the admin to edit/remove those elements from the site's database. And on any user's profile, a button will be displayed to the admin that allows them to remove the user from the database.

Client-side Validation and Security

Client side validation and security is done via both HTML5 form validation as well as through the use of javascript. Required fields are given the required attribute so that the form can't be submitted missing essential fields to interact with the server. When all needed fields are given values, the values are checked via a JavaScript file before the query string is finally sent to the server. For example, when a password is required in a form, it is first examined to confirm it contains an uppercase letter, a number and a symbol. In this way all users are required to have a relatively strong password in order to interact with the site. And when a weak password is given, the server is not bothered as the javaScript can easily ascertain that a password is not in the system. Through these techniques, validation and security is accomplished even before the server needs to be accessed.