

Project proposal

Instructions

1. Make a copy of this slide template and make changes to it.
2. If this is a group project then, per group 1 proposal is needed
3. Edit the slides

NCF Portal, Course List & SES Redesign

My goal is a redesign of the NCF Portal that displays all the relevant links to the user. In this redesign, I'd also like to improve on the..

- Course Listing
- Student Evaluation System
- And potentially the Work Request forum.

Motivation

The Student Evaluation System & the Class Schedule are both extremely unfriendly to users, and hard to navigate. The Class Schedule page alone takes up to several minutes to load at times, and takes a lot of time to navigate and control filters, which also often don't work either.

Rebuild or New design?

Most of this project will be a brand new design, though relevant bits and pieces of the existing site(s) may be reused. (IE Icons, fonts, and so on)

The Class

Search portion of the assignment

Logo

(With back button to go back to the portal)

Banner

Filter:

(Search everything from one location)

Start Time:

End Time:

Days:

☐ M ☐ T ☐ W ☐ T ☐ F ☐ S ☐ S

A

Art - attribute

Anthropology - attribute

Andrew Jacobs - Professor

...

...

Selected Filters:

Computer Science	X
Applied math	X

(allow to add and remove filters in desired)

Course Number:

(to look for a course by number)

Course Title

Requirements:

Course Name, Course Name

Course Title

Requirements:

N/A

The section to
view
evaluations for
all your classes

NCF Banner | Class Schedule | Thesis evaluation | Resources | Contact Us

Fall 2021

Frontend Web design and development

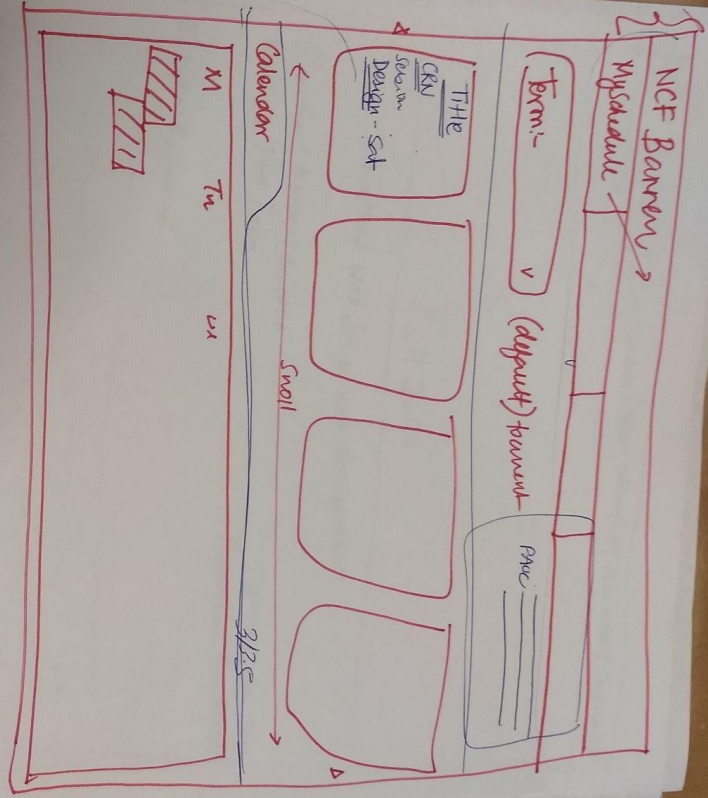
Division: Natural Science
Session: Full Term

Instructor: Tania Roy
Registration: Registered

External Evaluation:

Internal Evaluation:

The main page
for the student
evaluation
system



List of features to implement

NCF Portal: Relevant Links

In the portal portion of the NCF website, a few items that are commonly used (such as canvas) will be hoisted above other lesser used links.

Why? To make it faster to navigate to where you're trying to go from the portal.

What requirements does it fulfill?

This would utilize CSS Card Layouts, Rounded Edges, Icons, & Flex Box.

Course List: Sort By Keyword

Provide the user with the ability to search classes by keywords in course description.

Why? To make it easier to find classes matching a specific criteria.

What requirements does it fulfill?

Implementing this feature will fulfill several of the JavaScript requirements, like loops, conditionals, and functions.

Course List: Improved Dropdowns

Redesign all dropdown menus to a custom implementation.

Why? The current dropdowns in the Course List are all extremely hard to navigate due to their large element count, as well as it being painfully easy to accidentally deselect all previously selected filters.

What requirements does it fulfill? This will fulfill the dropdown requirements, as well as javascript forums.

Student Evaluation System: Top Nav-Bar

Create a nav-bar at the top of the Student Evaluation System page.

Why? Any element in the SES page takes a lot of clicks and interactions to navigate and get around.

What requirements does it fulfill? This would fulfill the NavBar requirement.

Work Request: Add a way to submit a request anonymously

Submit work requests without the need to log in.

Why? Dealing with a separate account for campus work requests is an unintentional deterrent for bringing up campus issues that may need to be addressed for safety or security.

What requirements does it fulfill? DOM manipulation, and potentially a nav bar, depending on how I choose to implement this.

Student Evaluation System: Overview

View an in-depth overview of your academic standing and current class information from the SES page.

Why? It takes a bit of time to find information for your classes within the SES.

What requirements does it fulfill? Unsure yet.

Course List: Class Grid View

Create a grid-view for the class listing that can scale on mobile and desktop devices.

Why? Make it easier to view classes, in a more mobile friendly way.

What requirements does it fulfill? CSS Grid View.

Course List: Search Forums

Make better search support, which will dynamically update the class grid view based on what you enter.

Why? This change makes the side more accessible and classes easier to find.

What requirements does it fulfill? Javascript Conditionals & Functions

Course List: Buttons for class modifiers

Add buttons to filter class listings by LAC, CYC, and other similar class modifiers.

Why? So you don't have to scroll through all classes for a given AOC to see which ones are valid for LAC credits

What requirements does it fulfill? Javascript Conditionals

Timeline for work and task distribution

Week 1 (4th - 11th): Work on a rough-draft wireframe for the redesigned SES, Portal, & Course List. (And maybe Work Requests)

Week 2 (11th - 18th): Code the Course Listing section.

Week 3 (18th - 25th): Code the Student Evaluation System implementation, and insure all sites have valid mobile support

Week 4 (25th - 30th): Test & Debug the website to make sure all features work.

November 30th: Deadline for demo.

December 3rd: Deadline for submission

Day By Day

Starting Friday, the 12th:

12-16th: Implementing a scrollable viewport with navbar for mobile & desktop devices, as well as writing navbar and creating a rough-div layout for the main course list page.

16-20th: Adding Filter Functionality for the course list search, as well as display the cards. (Mostly complete this page)

20-24th: Setup the layout & implement the design for the Student Evaluation System main page, displaying the cards for classes, the calendar, and popups.

24th-28th: Implement the simple Evaluation page, as well as the Resources & Contracts page, using similar elements and styling as the evaluation page, with a card layout.

28-30th: Bug test, and fix any issues with mobile responsiveness, as well as test and tweak for screen-reader usability.