

CS-321: Server-Side Web Development
Spring 2021
Northeastern Illinois University
Homework #1: Project Proposal
Suggested Due Date: Thursday, 01/21/21 by 6:00 p.m. CDT
Terminal Due Date: Thursday, 02/04/21 by 6:00 p.m. CDT

Important:

1. The project proposal, like all of your other homework, is graded as Pass/Fail. This means that you may need to correct your proposal depending on feedback until your grade changes to a Pass.
2. Each homework must be completed and receive a passing grade before you can receive subsequent homework credit. Why? Because homework (for the most part) will be cumulative in terms of content and knowledge.
3. Because you will be building parts of the project in your homework assignments, it is important that your project proposal receive a passing grade.
4. Deadlines are flexible. The suggested deadline is when I think you should submit your homework by to stay on track. You can submit before then of course! It takes me about 5-7 days to provide feedback.
5. The terminal due date is the last date/time that you can submit the assignment by to receive credit.

Project Topic Proposal: Your main task this semester is to complete a semester-long software project to build a server side application (i.e. a website). Your task in this assignment is to decide what your project will be. Your application must meet these general requirements:

- This cannot be a shopping website (i.e. no e-commerce sites).
- Must be a website where multiple users can create accounts, login, set/modify their profile information, and logout.
- After logging in, users should be able to create something, save that something to a database, and view, edit, and delete the things. Users should only be able to edit and delete their own things, but it is up to you whether users can see other users' things.
- As part of the final project requirements, you will also be asked to build some kind of functionality that is "extra" - in other words, functionality that was not directly specified in the homework.

Please feel free to discuss your proposal with me prior to submitting. Note: You cannot propose the project described in the textbook.

Submitting your proposal: Create a .pdf file with the following headers and associated content. Submit this .pdf file to the Homework #1 D2L folder.

1. **Idea:** One line that encapsulates/describes the entire idea of your website.
2. **Motivation:** 1-2 paragraphs describing why this a good idea. Why would someone want to use your website? Why is this of interest to you? Aside from the fact that this project is a required component for the course, why do you want to build this particular project?
3. **Application:** 1-2 paragraphs describing the website functionality. What is it? What can users do with it?
4. **Application Name:** Provide a name for your website.

"Pass" Grading Requirements

1. The idea must adhere to the above criteria, be unique (original), and approved by the instructor. Note - you may be asked to modify your proposal and resubmit for this requirement.
2. The submitted D2L file must be a .pdf file.
3. All syntax must be syntactically and semantically correct:
 - Correct spelling (use spell check).
 - Correct punctuation.
 - Correct grammatical arrangement of sentences.
 - Sentences make sense.

You may find it helpful to make an online tutoring appointment with the NEIU Writing Center: lsc@neiu.edu

Inspiration: To help get those creativity gears spinning, here are a selection of several unique project ideas from the previous semester (sorry - you can't use these!).

- Doodle Board: Doodle Board is a pixel-art creation and gallery website. Users can create pixel-art in the browser in a 32x32 pixel canvas using 11 colors + 1 "transparent" color.
- Subscription Hub: A subscription manager to store information for a user's subscriptions.
- Cook Like Me: A web application for sharing cooking videos and recipes.
- EOTCC: A website for the Ethiopian Orthodox Tewahido Church in Chicago for users to schedule activities, manage memberships, and provide community awareness.
- Sunday Morning: A web application for a user's personal music recommendations.