# CS 1980/1640 Proposal Paper, Spring 2024

This proposal paper is required for all students in the *project* sections of the Capstone (CS 1980 and CS 1640). It is **not** required for students in the internship or research sections (CS 1900 and CS 1950).

## Formatting Requirements

The paper must be at least 4 pages, using a relatively standard font and point size (e.g., 12-point Times New Roman or Computer Modern). Judicious use of charts, graphs, and/or illustrations is encouraged, especially if it helps the reader to understand the project. Margins should be of standard size (usually 1”).

Include the names of all group members, the name of the project, and the name of the sponsor. Submit once on behalf of your group.

## Details

In general, we are looking for a solid understanding of what you are planning to do, why, and how. This may also include division of labor if relevant (for example, if specific team members are going to focus on quality assurance, development of specific components, documentation, etc.). Everyone involved should understand that what you propose is subject to change throughout the semester.

Here are some example questions you may consider answering in your proposal. This does not mean that you need answer all of them, nor that only answers to these questions are needed, but I would recommend that you think about all of them as you begin work on your project.

1. How will you communicate?
2. What languages, libraries, and frameworks will you use and why?
3. How will you test your code?
4. What kind of architectural design will you use?
5. How will you be grouping the system into pieces of functionality or by subsystem?
6. What additional tools do you think you need?
7. What do you foresee as possible issues?
8. What systems will thus run on (OS X, Windows, Linux, etc)
9. How often, and in what way, will you meet with the sponsor? What about without the sponsor?

## Mandatory: Goals / Stories

At a minimum, your project proposal **must** include a section that describes the goals of the project and when you predict each goal will be completed.

This should be given in the form of a prioritized list of user stories that you will be working on. This list can be subject to change but I want to see that you have put serious thought into what will be required when developing the system.

Your goals must be approved by your project sponsor.

## Example Organization

1. Introduction
   1. Background

* Where does the project fit?
  + Anyone who is looking to learn more about inclusive teaching, starting at Pitt and moving forward from there
  1. Expected outcome
* What are the expected results of the project (e.g., what will the app do)?
  + Uniform design, correct content, functional
  + More dynamicdata intake
  1. Expected impact
* How will your sponsor use it?
  + Our sponsor will use it as a reference for inclusive teaching
  + Hopefully used by anyone interested in learning more about inclusive teaching

1. Project design
   1. Project architecture
      1. All links to be functional and direct to the correct place
      2. Uniform design
      3. Correct content
      4. (more accessible)
   2. Technologies/Frameworks used

* HTML/CSS - front end
* WordPress
* Javascript
  1. Technologies the team needs to learn
     1. All team members need to learn how to use WordPress, JavaScript
  2. Foreseen issues
     1. How to best do usability testing?
  3. Team strengths and weaknesses
     1. HTML/CSS and a little JavaScript, Uability class, UI class, Human and Computer interaction class
     2. JavaScript and WordPress

1. Expected timeline
   * Diagram showing expected progress
     + Week of feb 12 – proposal paper
     + Deliverable 1 / sprint planning
   * Include deadlines for relevant deliverables for the class and/or your sponsor
2. Communication
3. Communication with sponsors

* How often
* Where/when
* Deliverables for each meeting
  + Once a week check-in

1. Communication within team

* How often
* Where/when
* Deliverables for each meeting
  + Send updates every other day

1. Current user stories
   * Include at least 10
   * Subject to change as development progresses

* 3,3,4

Sadhana – 3 user stories, project design, expected timeline

Jess – 4 user stories, communication

Courtney – 3 user stories, intro

Website link: <https://www.rosta-farzan.net/InclusiveTeachingCoP/>

Project URL: <https://www.rosta-farzan.net/InclusiveTeachingCoP/wp-login.php>

username/email: [rostaf@gmail.com](mailto:rostaf@gmail.com)

password: ITCoP@Pitt22

Meeting Notes:

* First Deliverable: Inventory of everything wrong
* Want resources for the site to be usable and relevant, not just internal but external
* User testing after changes are made, with students
* Any ideas to make the website more creative or dynamic?
* Want to update the missing content, outdated content, broken links, inconsistent design
* Meet regularly at 10 am on Wednesdays on Zoom

Things we need to decide on collectively:

* Weekly meeting: where, when?
* Regular non-meeting communication: group text

Divvying up the work:

* What are the goals of this project?
* User stories: Who is going to use this website? (suggested 10 user stories)