CS130: Project Planning Worksheet

Please fill out the following planning worksheet by answering the 9 questions asked below. In the appendix (pp. 3-7), we have given you a few examples of how these worksheets might be completed. Feel free to refer to them / use text from the samples to get ideas. Also feel free to do your own thing (don't feel constrained by the sample projects)!

1. What is the primary goal of your project?

As international students, we wanted to share our cultural identities with the students in this class. That's why we will create a travel blog showcasing our home countries (Greece & Mauritius) and countries we visited (Uganda, Iceland, Mexico). Hope you like it!

2. Will you be working alone or in a group (list team members if you're working together)?

Ella Mantzourani

Daren Gopaulen

3. What technologies will you be using to implement your project (just list them)?

-HTML, CSS, JavaScript, Google Maps, Spotify (or embed music on the various country webpages)

4. What resources / tutorials will you be using to help you?

-Previous homework/labs and course materials, especially the files from lectures 7 & 8

5. What will you have made when you're done?

Be specific (# of screens, description of basic functionality). You will break this down into steps below.

One main page with our bios and a navigation menu with the countries we will be presenting.

One screen for each country - so a total of 5 webpages - which will have a flexbox/grid with pictures with titles of experiences worth doing in each of the countries. We will also integrate music into each of those web pages to show a bit more about each region's music culture.

6. What will your first deliverable be?

- A rough draft of the skeleton of our website, with working buttons to main page and each country's pages

7. What will your second deliverable be?

- Adding css and pictures onto the main page and the country's pages

8. What will your third deliverable be?

- Adding music, text description, and working on accessibility issues when it comes to our website.

9. If you are working in a group, how will you divide up the work?

- we will split the work for deliverable 1 (layout of the whole website) together, splitting the html and css work evenly between ourselves
- Ella will work on the Greece and Iceland pages. Daren will work on Mauritius and Uganda pages. Both will work on Mexico pages.

- Ella will focus on color coding and css from an aesthetics perspective, Daren will focus on accessibility and music

Appendix: Sample Worksheets

Sample 1: CTA Bus App

1. What is the primary goal of your project?
I want to make a real-time map of the CTA buses and their locations. Ideally, at some point in the future, this could turn into a user-friendly travel / transit app.

2. Will you be working alone or in a group (list team members if you're working together)?
I will be working alone.

3. What technologies are you planning to explore (just list them)?
- HTML and CSS (to make a mobile responsive app)
- JavaScript to pull data down from the web and build my screens
- Google Maps API to make my map
- The CTA Transit API to retrieve the real-time data

4. What resources / tutorials will you be using to help you?
- [CTA API Docs](#)
- [Google Maps Tutorial](#)
- Previous homework/labs and course materials

5. What will you have made when you're done?
I want three screens:
1. A screen where I can see a list of the bus routes
2. A screen where I can see a list of the bus stops for a particular route
3. A screen where I can see a map of where the bus is (for a particular route) in real time

The site will be responsive, and easy to navigate. I will link all of the screens together to create an integrated user experience.

6. What will your first deliverable be?
For my first deliverable, I'm going to figure out how I can access location and bus route data from the CTA API. I will just simply print this data to a web page, based on a hard-coded bus route. Then, I will make a screen that lists all of the bus routes (so that I can eventually see location info for a specific bus).

7. What will your second deliverable be?
For my second deliverable, I'm going to figure out how to display a map on a web page. Then I will try to display a marker on the map that corresponds to the bus's location.

8. What will your third deliverable be?
For the third deliverable, I will create a way to show all of the bus stops for a particular route. When the user clicks a route, it will show the bus stops. There will also be a back arrow showing that allows the user to go back and pick a different route.

9. If you are working in a group, how will you divide up the work?
N/A

Sample 2: Web Portfolio

1. What is the primary goal of your project?
I want to make a portfolio website to showcase my interests, projects, and design/technical fluency.

2. Will you be working alone or in a group (list team members if you're working together)?
I will be working alone.

3. What technologies are you planning to explore (just list them)?
- HTML and CSS (to make a mobile responsive app)
- JavaScript to create some interactivity
- Possibly a third-party stylesheet if I find one I like. I may also try using one of the style guides listed in HW2 (which are all open source).

4. What resources / tutorials will you be using to help you?
I want to use some of the widgets and CSS templates from Ant Design, and also use some ideas from the websites listed in HW2.

5. What will you have made when you're done (20 points)?
I *think I will be able to have most of my portfolio done by the end of the quarter, which will include an "About Me" section, a "My Projects" section, and a "Project Detail" section. I'd like to add some visual flourishes via CSS animations and some JavaScript. I'm also interested in incorporating Google Analytics to see who is accessing my web page.

6. What will your first deliverable be (3 points)?
For my first deliverable, I'm going to create a style guide and really think about fonts, values, colors, cards, etc., and how they communicate my brand. I'd also like to use this time to explore some CSS transitions and some animation effects (which I can include as part of my style guide).

7. What will your second deliverable be (3 points)?
I will create the layout for my three pages (i.e. responsive boxes) — including a layout for desktop and mobile. I want to spend some time doing this to really use CSS Grid / Flexbox to get the layout right.

8. What will your third deliverable be (3 points)?
For the third deliverable, I will add the content, fonts, colors, etc. to my portfolio. I will then work on adding some visual effects (custom graphics, animations, etc.) to add some flare to my portfolio.

9. If you are working in a group, how will you divide up the work?
N/A

Sample 3: Instagram Alternative

1. What is the primary goal of your project?

We want to engineer an Instagram-like app that explores both front-end and back-end ideas (including user accounts and media storage).

2. Will you be working alone or in a group (list team members if you're working together)?

We will be working on a team. Team members: Rohith, Jasmine, and Isabelle.

3. What technologies are you planning to explore (just list them)?

All of them:
- HTML, CSS, and client-side JavaScript to post and display photos and comments. We might use React.js or Vue.js (not sure yet)
- Heroku, Node.js, MongoDB + Mongoose, and Amazon S3 to store user-generated content and make that content accessible via HTTP requests.
- Some kind of user authentication framework (still researching).

4. What resources / tutorials will you be using to help you?
- We will be drawing from the lecture and course samples.
- We'll also be drawing from the Amazon S3 code samples.
- We may also look into Passport.js
- And finally, we're going to be looking at Dribbble (e.g. https://dribbble.com/) and other UX websites to get some front-end inspiration.

5. What will you have made when you're done?

Backend:
- Around 3 API Endpoints:
    - **/:username/photos**
      Allows any user to post and retrieve photos
    - **/:username/comments**
      Allows any user to post comments on any photo in their feed
    - **/:username/feed**
      A read-only endpoint that allows a user to view any photos for which they have access (the security will not be implemented as part of this class)...just a proof of concept
- A way to log in
- Support for media storage
- A front-end prototype that will support the following:
    - A way to log in
    - A way to post photos
    - A way to view all photos in your feed
    - A way to post comments for any photo in your feed and have them display

6. What will your first deliverable be?

For our first deliverable, we simply want to get everything set up so that the client and the back-end can communicate. This will involve:
1. Getting a single REST API endpoint setup using Node
2. Getting a single AJAX query to post and retrieve some data from the endpoint

7. What will your second deliverable be?

For our second deliverable, we're going to figure out how to post and store media (using S3). We are also going to figure out how to set up user authentication

8. What will your third deliverable be?

For our third deliverable, we will finish implementing the three endpoints and corresponding screens. We will make the interface look nice.

9. If you are working in a group, how will you divide up the work?
- June will take the lead on back-end web dev
- Maria will take the lead on front-end web dev
- Vikas will focus on UX/UI design, CSS, and making the screens mobile responsive

That said, we each want to understand each part of the stack, and so we may pair program and both participate in back-end and front-end.