FINAL PROJECT – CREATE AN INTERACTIVE MAP

Overview.
The final project is the culmination of everything covered in the Geo 244 class – you have the opportunity to apply your skills & knowledge acquired throughout the course in an Interactive Mapping project of your choice. The benefit of this project is a deep understanding of what it takes to go from concept/idea to implementation. Plus, you will have a finished product for your portfolio that can show off your skills. The final project (an interactive map) is submitted along with a short paper provides the documentation for your project.

The final projects will be **submitted & presented on either Thursday June 7 or Tuesday June 12** starting @ 10 am.

Interactive Map Requirements.
Your assignment for the final project is to create a web-based, interactive map. The topic of the map is your choice, but should use data that is readily available or (fairly) easy to obtain.

There is a lot of autonomy in this project in terms of design. You get to decide:
- Map topic
- Intended audience
- What tools/functionality to include

There are requirements for your project (listed below) as it relates to the tools and technology that you will use for your project. If you would like to explore a tool or technology other than what is listed below, make sure to include that information in your proposal and discuss this with the instructor.

- Create a base map using Mapbox
- Use AGOL to build your map data on top of the Mapbox base map
- Create an App in AGOL, including necessary widgets & map functionality
- Present your final project using a Story Map

Here are a few minimum requirements for your projects:
- Use **at least** 3 data layers, in addition to a base map
- Set restrictions on scale – not every layer should be visible at every scale
- At least one layer should have custom pop-ups
- Purposeful inclusion of map elements and widgets

Project proposal
All projects must be approved in advance. A brief Project Proposal will be submitted by ***Tuesday, May 15, 2017***. The Proposal should include the following:

- Map topic & intended audience
- Data needed and sources
- What functionality will be built into the map
- Main Tools/technology you plan to use (if using something other than Mapbox & AGOL)

Project documentation
Your project should be properly documented. This should be submitted as a PDF doc on
Thursday June 7 or Tuesday June 12 *(whichever date you present).*

Project documentation should include the following:
- Statement of Purpose: Project title, audience, intended purpose
- User instructions: this should include anything that is beyond the default functionality of the software
- List of data & sources
- Metadata for any data or services that you create
- Explanation of the mapping tools used in project

Project presentation
Each student will present their project on either **June 7 or June 12**. Presentations should be approximately 10 minutes long and should be:

- Presented using an Esri's Story Map
- Include:
    - Project background & significance
    - Methodology
    - Demonstration of your mapping application(s)

Sign up for your presentation date here:
https://docs.google.com/a/pcc.edu/spreadsheets/d/14xOf21NZ6SsnxpQCUE2CT8zULBsoUxhF4R7EcrXSgiY/edit?usp=sharing