



Lab 9: Designing a website of your choice – Part 3



GOALS

The goal of Laboratories 8 and 9 is to implement the site you designed at Lab 7, using React or React Native technologies. In Lab 8, you had to choose between two options:

1. Make a web application with the React framework.
2. Make a mobile application with the React Native framework.

Depending on the option you choose, you have already started your web/mobile application, and the purpose of this lab is to complete this application, taking into account the requirements listed in the *Programming* section.

Among these required, as one of the themes of this week is internationalization, I ask you to make your site bilingual. Don't worry if you're not bilingual, you can choose any language (Italian, English, German, Mandarin, etc.) and simply use Google [Translate](#) to perform your text translations.



SUBMISSION DEADLINE

- Wednesday, April 7th, 2021, 11:30 p.m.
-



SUBMISSION METHOD

- In Brightspace, the lab 9 module contains a link to your submission.
- Submit two links:
 - a link to your GitHub repo that contains your app's code.
 - a link to a video demonstrating your app and especially explaining how it contains UI elements for each heuristic.
- Be precise and concise. Your video should be between 10 to 15 minutes.
- In your video:
 1. First, take a look around your website/app, like a guided tour.
 2. Next, show the bilingualism of your application (language selection method - elements of the UI in both languages).
 3. Finally, go through the 10 heuristics. For each heuristic, say (and show):
 - Depending on the heuristics of X, here is what I put in my UI.

IMPORTANT: *You have to speak during the video and explain what you are doing, what screen you are on, your design decisions and for every heuristic show the UI elements that are in tune with that heuristic and explain why you implemented them in that way and how they satisfy that heuristic*



INSTRUCTIONS / TUTORIALS TO FOLLOW

Suggestions for React and React Native tutorials were given at Lab 8.



Design

In This Lab 9, the only new requirement is to make your site bilingual. To do this, you will need to plan in your design a way to select the desired language, and perhaps adapt your design given the varying size of sentences or words in menus and buttons.



STARTING POINT

Your starting point is your lab 8.



Programming:

Requirements for Lab 9:

- Complete the implementation of your app in React or Native React.
- Incorporate Bootstrap (or any other library you prefer) to make your site not only functional but also pretty and inviting!
- Make sure your app is in tune with usability heuristics, as you'll need to present your application in relation to these heuristics.
- Add an internationalization component to your site:
 - There must be the option to select one of 2 languages. Use Google Translate to do your translations. The goal is to experience the design of a bilingual site.
 - Your website/app must be in another language.



EVALUATION

- Warning: This lab 9 is worth 5.5%.
- The TA will listen to your heuristic assessment. Make sure your explanations are clear.
- Any delay, beyond the deadline, will have a penalty of 10% per day of delay, up to 2 days.

IMPORTANT: *You have to speak during the video and explain what you are doing, what screen you are on, your design decisions and for every heuristic show the UI elements that are in tune with that heuristic and explain why you implemented them in that way and how they satisfy that heuristic*



Questions

- You can ask your questions during the lab session on Wednesday, March 31th.
- You can also send your questions to your TA Farouk (bfarouk@uottawa.ca)