IST 363

# Lab 11

This Lab Covers

React – conditional rendering, props and callback handlers

Bootstrap with React

## NOTE

**Submission:**   
Make a zip folder and add all the files you worked on into it.

**Web Server:** You will need to have your web server running to view the files you are working on in this lab. If it’s not running, open the folder we worked on in class this week in VS Code, then go to the terminal in VS Code and type npm run dev

## Lab

**Goal:** Create a React app that displays internet pioneer names and images. When the user clicks an image, show detailed information about that person.

Demo: There's a video in Blackboard demoing the functionality of this week's program. I've also placed some screen shots below for the two screens.

* Nothing should be in the global scope - everything should be inside of a component.
* I highly recommend styling static versions of both pages first. That means create a traditional .html page first, make both views work - so you have all the styling when you need it later. I did this in bootstrap but feel free to style it in whatever framework you want. But it must look very close to my end result. Don't forget the red tag I have that says whether the pioneer has been viewed on or not.

## Steps:

1. Any variable that is changing dynamically on the screen is using state. Make sure to import state and think about what variables need to update dynamically in this prog
2. Make an object for your pioneers. Don't forget you need to store whether the pioneer has been viewed or not. I stole the images from Wikipedia and used there full addresses in my image tags. Feel free to do the same.
3. Work on displaying the "home" page with the images and names first. That uses all skills we've learned in the past like mapping the object, etc.
4. When a user clicks on an image and event will fire and two things will happen. First you will change the object. Update it to reflected that that pioneer has been viewed. Second you will need to display the Pioneer component with conditional rendering. See info about the pioneer component below.
5. Create a second component called Pioneer for the second page with the details. You will need to pass a prop with the pioneer that the user clicked on.

**The End**