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11-28-21
CSC 642-02

CSC 642 Fall 2021 Individual Assignment

Here is the link to test my individual assignment: https://jye20.github.io/

For the development I used Bootstrap framework with HTML, CSS, and JavaScript. Bootstrap, HTML, and CSS were all used for basic frontend aspects while JavaScript was primarily used for data transfer between the pages as well as running the Google APIs.

For field validation I primarily used HTML's frontend validation (i.e min/max lengths, regex) along with Javascript to pass the information between certain pages using session storage.

For maps I used Google Maps JavaScript API and Places API. These APIs allowed me to insert a map into my form. The Pages API allowed me to take a user's text input and transform that into a location for the Maps API to use.

For captcha I used reCaptcha v2 due to its ease of installation and use. One small issue I ran into was enforcing the captcha to be required in order to progress to the next page which was easily fixed with some JavaScript.

I didn't do any automatic testing and only did manual testing by filling out the required fields and some check marks in section 2 of the survey to see if the information transfers successfully.

For this work I was helped by no other students and did this project solo. The below are additional resources that I used to help me complete this project (not including the resources given in the assignment document such as Bootstrap):
Google reCaptcha v2: https://developers.google.com/recaptcha/docs/display
Google Maps JavaScript API:
https://developers.google.com/maps/documentation/javascript/overview
Google Maps Places API (Place Searches):
https://developers.google.com/maps/documentation/javascript/examples/place-search

Documentation and Code I developed for this assignment are in GitHub here:
https://github.com/jye20/jye20.github.io

Regards,
Jeffrey Ye.