State Finder User Manual

The State Finder web application was created in the Fall of 2022 as a Senior Capstone project by Alyiah Proctor, Anne Nguyen, Darlyn Mendez, and Emily Crabtree, four students at the University of North Carolina at Greensboro. The goal of the web application is to be a tool to aid people undergoing a career transition, job search, and/or location change, and to make those processes less stressful. The State Finder web application collects user data based on their occupation, job level, number of working adults, and number of children in the household (up to 3). According to the occupation and job level provided, the user's likely salary (as collected by the United States Burea of Labor Statistics) is found, and is then compared with the minimum livable wages of the major metropolitan areas in the United States of America for the number of working adults and children living in the household, as provided by MIT.

Getting Started - Emily

The webpage opens on the index page, which is where the user's household information is collected for the production of the choropleth maps. As prompted on the webpage, the user will select their occupation, job level, number of working adults in the home, and number of children in the home (up to 3). These selections are made via drop down menus, however, due to the volume of occupations available, the user may type the occupation they are interested in to be able to select it quicker. The user **must** make a selection for each menu, or the map will not load. Then, the user will click the submit button and be automatically redirected to the map page. The livable areas map, which will be further explained later in the user manual, will be shown, as well as a table of residual income per metropolitan area, ordered greatest to least.

Other pages the user may navigate to are the about page, contact page, and login page. Links to these pages may be found on the right side navigation bar, which is at the top of each webpage. The about page describes the creators of the web application and provides links and information about the resources used for the creation of the application. The contact page allows the user to send an email to the admins of the website by prompting them to enter their name, email, subject for contact, and message. The contact request is then sent to the admins and an automatic email is sent to the user's email, letting them know that their contact request has been received and they will be contacted promptly. The login page gives the user the option to create a new account specifically for the website, or login via a Facebook, Twitter, or Google account. The user may navigate back to the index page by clicking the website title, State Finder, on the far left of the navigation bar.

Livable areas map:

Once the user clicks submit, a map will be displayed, populated with the residual income the user will have in each area. To see the names of metro areas, hover over the location on the map. Zooming in and out can be done with the scrolling feature on a mouse or by using two finders to scroll down on a mouse pad. Clicking and dragging the mouse allows users to move the map further.

Infographic Map - Anne

Log in system - Darlyn

To use the login subsystem you have to click on the word Login in the header of the State Finder Web App. Then click on sign in with Google and a small pop up window should appear that allows you to sign in. Click on the email address that you would like to use to sign in. You should be redirected to the main page of the State Finder Web App. Logging in with Twitter, Facebook, and regular login currently do not work due to issues when initializing the firebase app multiple times. There are also issues when redirecting to the main page.