# Review

### Issues you have not resolved.

Thankfully I was able to resolve all the issues I encountered!.

### Issues you have overcome. How?

### Issue 1:

Getting State management working correctly - passing states between components, I looked at lecturers' examples and online documentation to solve issues.

### Issue 2:

Uploading to GitHub pages and rendering home page on load – I followed this [Tutorial](https://github.com/gitname/react-gh-pages) to deploy my React App to GitHub Pages. I also had to add the basename “/project2” to my router in App.js so that when this webpage <https://alexgithub777.github.io/project2/> is loaded, the home screen is rendered on load, before I fixed it, just the header and footer were rendered on load and I had to click home to render the home page.

### Issue 3:

I got this message in the console “Google Maps JavaScript API has been loaded directly without a callback. This is not supported”. I looked at documentation online to try and solve it but couldn’t, address autofill still works.

I think it’s due to having the Autocomplete initialization object code in the Autocomplete component, the AutoComplete API is imported in index.html without a callback function, so if the Autocomplete object code was in index.js, It could import the API with a call-back function and it would be accessible.

I then tried creating a callback function that created an instance of the Autocomplete object in the index.html which solved the “google is not defined” error, however, the Autocomplete object would only be created once on load, only a hard refresh would make it work.

I had left it so, that the Autocomplete object is initialized in the useEffect function within the Autocomplete component, this means that the Autocomplete object is initialized every time the page loads, and there’s a callback function for the Maps API in index.html that logs “API Loaded”. The issue I haven’t resolved is when the page is first loaded or hard-refreshed, the page won't load and I receive “google is not defined”, once refreshed the page will load fine on repeat. I found some additional help online such as [This](https://www.klaasnotfound.com/2016/11/06/making-google-maps-work-with-react/) tutorial and forum posts. However, due to the time and complexity constraints, I decided to leave it there.

I then tried using this package <https://www.npmjs.com/package/@googlemaps/js-api-loader> to load the Google Maps JavaScript API script dynamically which worked! now the page loads correctly every time.

### Things you would like to explain.

To enable address searching and autofill, I first set up a project in the Google Cloud Console. Then, I enabled the Places API for this project and created an API key to integrate with my website. This allowed me to implement address search and autocomplete features.

### Explain what you could have done differently to improve your result or I could have done differently to assist in improving your result.

I could have improved my project outcome by focusing on enhancing my JavaScript skills. A deeper understanding of JavaScript would have enabled me to implement more advanced features and create a smoother user experience.

### Reflect on things you learnt, think could be improved in the course and things you found helpful.

In this course, I improved my web development skills, particularly in React and front-end development. I don't think much can be improved, and I've found the lecturers' resources and help very helpful.

Website Link: <https://alexgithub777.github.io/project2/>