**Chapter 06 - Exploring the world**

**Theory Assignment:**

* What is Microservice?
* What is Monolith architecture?
* What is the difference between `Monolith and Microservice?
* Why do we need a useEffect Hook?
* What is Optional Chaining?
* What is Shimmer UI?
* What is the difference between JS expression and JS statement?
* What is Conditional Rendering? explain with a code example.
* What is CORS?
* What is async and await?
* What is the use of const json = await data.json(); in getRestaurants()?

**Coding Assignment:**

* Play with the useEffect Hook to see when it is called? (before or after render)
* Play with the dependency array in useEffect Hook.
* Play with the developer console by putting a debugger in render and useEffect.
* Call an actual API call.
* Handle Error in your API call.
* Build Shimmer UI when data is not loaded.
* Render your UI with actual API data.
* Make Search functionality work.
* Make a Login Logout button that toggles with a state.

**References:**

* [Akshay Saini Code Link](https://bitbucket.org/namastedev/namaste-react-live/src/master/)