This is a simple app for ordering a varied number of courses at a fictional restaurant. However, the primary purpose is to provide a simple demonstration of the use of ngrx for Angular2. This library is an Angular version of the perhaps more familiar Redux framework, which is often used together with React. Ngrx allows central application state maintenance. When used together with rxjs it allows the development of reliable, scalable and reactive web applications. I have relied on ngrx heavily in my current web development role where reliably maintaining application state has become essential as our web application has grown over time.

I have relied heavily on the Angular Material library for UI components, as it allows quick addition of animated and styled HTML elements.

If given more time I would have built something a little more ambitious, utilizing the Angular2 lazy loading feature and a more complex implementation of Ngrx. However, I hope this simple app will demonstrate my functional programming style and heavy use of ES6+ syntax.

Some notes:

I could not find a suitable public API that provided menu items, so I quickly made a table of my own using mlab.com which provides free mongo DB hosting.

I was planning on routing the user to a final payment page, but ran out of time.

It is not possible to navigate back to a previous course once you have progressed.

The user can keep making payments