# My Food Web App

This application is a simple “Shopping List” web app. It aims to communicate with a database to allow CRUD operations. Mongo dB is used to store all the data and reactJS is used to present the front-end. MeteorJS is a framework that users MongoDB, ReactJS/AngularJS and Nodejs. It also allows the use of some “meteor” packages such as user login. This makes it a perfect framework for the task at hand.

As I have worked with meteor in the past to create mobile apps, I am familiar with the framework. The app was designed similar to a “To-do” app as I have built that in the past. Through some modifications and tweaking to the design a shopping list was achieved.

The only difficulty in the creation of this project was the hosting of the meteor app. Meteor offers a hosting platform called “Galaxy”. A domain name is also provided by galaxy. What I did not anticipate was the hosting of the MongoDB. I assumed galaxy would handle the hosting of the MongoDB as well. When I discovered this was not the case, I investigated a few hosting options. Mongo Atlas is a site that has a free option of low bandwidth, low storage option. By connecting my app to this service, I was able to get a fully functional app (note these hosting settings are not stored on the GitHub as the password was contained in this file).

The app is configured with data validation so that all entries are checked before they are entered in the mongodb. This should reduce the risk of attacks on the database such as fuzzing. In addition, data from server is only sent down to the client for authenticated users who have access to that data. Meteor also offers encryption on user passwords.

The following technologies were used to achieve the web app:

MeteorJS

* ReactJS
* NodeJS
* MongoDB
  + Collections:
    - Items
    - Users

External Services

* Mongo Atlas (hosting of the MongoDB)
* Galaxy – Hosting of the meteor app

I happy with the result of this app as it leaves room for expansion. A register of common items would be an example feature to add so that users don’t have to type the full item every time.

The end result of this app is a Grocery Shopping List where users can add, check and remove items from their own list. All source code can be found on GitHub.