The requirements and resources on the server side of the product aren’t too intense. We will be using Node.js as the language and framework due to the frontend being coded with Angular and both are JavaScript based. We will need to download npm (Node package manager), which is free and incredibly easy and will give us access to many useful libraries we will be using. Express is one package that is very popular due to its ease of access and many tools for server-side web development. There is also a package specifically made to interface and interact with a MySQL database, making that side of the server work much simpler.

The main function of maintaining this server is to allow for the webpage to be able to get data and communicate with the database and the rest of the internet. Without this, it would be a completely local program and would be worthless. The diagram below shows the simple interplay between the front and back-end with the server,

Server

Database

Webpage

Dynamic page

Data request

Page request

Object data