Projects in MongoDB, Express JS and Node.js

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**Abstract** – Web development is an incredibly rich field with ever growing demands, constant new technologies with plenty of growth opportunities. PHP is still relatively popular, but it is a dying and outdated technology. The focus of my projects is JavaScript. Node.js is the most fastest growing technology right now and is just one of the many facets of the web development giant world. Throughout these projects, I learnt that JavaScript and Node are the best way to learn and understand web development programming.

1. **node-YelpCamp** (<https://yelpcamp-bootcamp.herokuapp.com/>)

YelpCamp is a project that was completed as a part of [Colt Steele’s Bootcamp](https://www.udemy.com/the-web-developer-bootcamp/). It is a fictional web application for reviewing campsites using Node.js, ExpressJS, mongoose, passport, RESTful routing, jQuery, Javascript and bootstrap. Node.js uses a package manager named ‘npm’, the largest software registry in the world, which makes it easy to download and install several packages required for this project. Mongoose is used for performing database operations, while passport js is used for authentication of users. RESTful routes make it easy to navigate through website. Different setups are needed if one plans on using YelpCamp locally (or Cloud9) verus the Heroku + MongoLab setup. This is accomplished using environment variables.

1. **node-popCorn** (<https://popcorn-film.herokuapp.com/>)

This is a Node.js project created using movieDB API to view currently playing, top-rated, popular and upcoming movies in the world. I have used movieDB API to pull data and use it in my application using Node.js, ExpressJS, RESTful routing, jQuery, Javascript and bootstrap. Popcorn is a movie discovery application optimized for mobile devices. It uses the movieDB API to expose data on new and upcoming theatrical releases and rentals. Users can scroll through a list of movies, filter by categories (such as top box office or upcoming releases), read details on selected movies, and watch YouTube trailers inside the application.

1. **node-RecipeApp** (<https://recipe-webapp.herokuapp.com/>)

RecipeApp is a project that allows user to create, read, update, delete and review recipes all around the world. It is a web application for reviewing other user’s recipes as well as adding our own recipe. It is created in Node.js, ExpressJS, mongoose, passport, RESTful routing, jQuery, JavaScript and bootstrap. The concept here is like the YelpCamp project, but the context and the application are different and adapted to the recipe reviewing model. The project is also hosted on Heroku as other apps and uses mLab as cloud mongoDB service.

1. **node-weatherApp** (<https://weathernow-app.herokuapp.com/>)

This is a simple Node.js project created using openweathermap API that provides detailed weather description of a given city. The app fetches the weather data from the openweathermap api and displays it accordingly to the user. I have used variety of functionalities provided by the api like wind speed, lowest temperature for the day, highest temperature of the day, humidity, precipitation, sunrise and sunset among others. This gives the end user a brief idea about the current weather of any city in the world.