



DMIT2008 Assignment 1

Task: Stock Ticker App

Due: Midnight on Friday February 7th, 2021

Weight: 15%

Assignment Objective

In this assignment you are going to connect to an API and query endpoints in the api and present the data. Using your JavaScript programming knowledge you are going to use the [Alpha Vantage](#)¹ REST API as the data source for your app.

You will need to sign up and generate an API key to access the data. Make sure to read the Alpha Vantage [API documentation](#)² and **postman** to test your queries.

BUILD

Use the framework that we have been using in class to develop your app. Your code style logic etc is up to you but use best practice wherever possible. The emphasis in this assignment is on functionality of your logic flow.

Create a project folder

Initialize the project folder to use node modules.

Create the source folder and all sub folders that you require. You may follow your own naming on folders.

Install any dependencies that you need.

Use Parcel as the Bundler tool to compile your project module.

Manage the project using git you will be submitting the git repo url as part of the submission guidelines.

**** All projects must contain a Readme.md.**

This file should contain a description of your app and what it is used for as well as how to use it.

There should be instructions on how to install your app in development and in production.

You should list any special tooling you use and provide links to the tools and documentation.

Provide a link to a working live demo of your app

TASK

You must provide a means for the user to enter a stock ticker and to then display the stock ticker symbol, current close price, current date (GMT), and any additional information you think would be useful or important in the stock query. You are responsible for the layout of data css. You can use any CSS framework you like.

Make sure your code is contained and doesn't leak into the Global scope. You can use an iffy or any other method that suits your coding style. Your code must adhere to a JS best practices code conventions and style. Use the Airbnb style guide as a reference.

**** Do not include the node_modules/ directory in your git repo ****

Deployment

You are going to use Netlify to deploy your site using the deploy from Github option. Make sure that your repo is up to date with the latest version of your app. You should have more than two commits to your project repo. Meaning the initial commit and the final push to deploy.

Submission

Add a link to moodle to your github repo for your project.

Add a link to moodle to your Netlify site where your app is deployed.

Give your netlify URL a semantic name do not leave it at the default random assigned name.

MARKING KEY

Tasks	Available marks	Marks Awarded
Project structure Demonstrate good semantic files and folder naming. Includes package.json file Package.json includes a build script and dev script. Package dependencies are in the correct location for app dev dependencies and dependencies.	5	
JavaScript Modules Module for the data fetching Module for the views Module for controller logic	3	
JavaScript Functionality Connects to API using api documentation recommended connection type. Search functionality works and the data displayed uses a consistent view. Implementation of templating template literals, templating engine or using Document Web API	9	
Code Comments Code is well organized and is thoroughly commented. A developer should be able to read and understand the apps code login and flow. Best practices have been observed as outlined in the Airbnb style guide.	3	
Project Readme Project readme is available on git is well formatted and contains the required elements.	3	
HTM CSS Your markup is well formed and uses appropriate elements for the markup task. CSS names are semantic and styles and markup are optimized for production.	3	
GIT Repo git repo is well organized contains the correct files contains a git ignore file and only files needed by Netlify and to rebuild project are	3	
Submission Criteria Followed the submission guidelines	1	

**TOTAL
RECEIVED
GRADE**