

## Team Project

### 1) GitHub

Where/How it was used: This is where our code for our project was hosted. On Jian's GitHub.

Pros: Allowed members to clone repository and work on code. Able to create branches for each part of site and merge all of them to master

Cons: Had issues at times with not being able to pull/push because of being commits behind or ahead of master

### 2) Discord

Where/How it was used: Most of our group communication was done on Discord

Pros: Easy to share screenshots. Built in voice channels.

Cons: Have to download PC/Mac app or mobile app.

### 3) Bootstrap

Where/How it was used: Used as UI template for website. On entire website.

Pros: Mobile friendly, Easy to use

Cons: Features/Customization limited

### 4) JavaScript

Where/How it was used: Used to parse data from API and connect with HTML files. On entire website.

Pros: Easy to learn, Similar to Java, Integration with HTML and CSS

Cons: Took me a while for it to work with JSON

### 5) HTML

Where/How it was used: Used to display API data on the website. On entire website.

Pros: Easy to manipulate elements on an HTML page

Cons: Could be difficult to learn syntax

### 6) CSS

Where/How it was used: Used to change design of the cards. On entire website.

Pros: Easy to integrate with JavaScript. Many customization options.

Cons: Could be overwhelming with all the different customization option

7) NewsAPI

Where/How it was used: Works with JavaScript to add data to the different HTML pages on the website. The entire website uses the API.

Pros: Many API calls for different sources, categories, metrics, etc.

Free option still offers a good amount of functionality.

Cons: Limited number of API calls per day for free option. API does not return entire article context.

## Individual Assignment

1) GitHub

Where/How it was used: Used to post all of my assignments for this class.

Pros: Very organized. Can clone all repositories to multiple PCs.

Cons: None

2) Subversion

Where/How it was used: Used for Assignment 7.

Pros: Learned a different type of version control

Cons: Harder to use than git.

3) Python

Where/How it was used: Used for Assignment 3 to parse data from API.

Pros: Fairly easy to learn and similar to java

Cons: Not built in to Windows. Had to download Python and interpreter for code to work.

4) Flask

Where/How it was used: Used for Assignment 3 to push parsed data onto an HTML web page.

Pros: Easy to use with Python.

Cons: Syntax can get confusing.

5) Travis CI

Where/How it was used: Used for Assignment 8 to make API assignment continuously integrated

Pros: Would create a new build whenever there was a new commit to the repo.

Cons: Working the .travis.yml file was a bit difficult.

