# Release 1.0 Document

User Stories / Usage Scenarios that cover functionality of release:
**Sprint 1:**
- As a user I want to use a well-made web app with good infrastructure.
- As a user I would like a basic web app to exist.
- As a stock tracker, I want to use a web app made by people that understand stocks well and know what I want it to show me.

**Sprint 2:**
- As a user I want to be able to search in different ways from a list of given stocks.
- As a user, I would like to see basic results from my search, including specific information.
- As a user, I want to be able to see all the stock's information in one organized manner.

**Sprint 3:**
- As a stock trader, I want to see the trends for a given stock.
- As a user, I want to be able to use in depth graphics that are neat and helpful.
- As a curious user, I would like to also be able to see current information and trends in cryptocurrency.

**Sprint 4:**
- As a user, I want to use a web app that looks aesthetically pleasing.
- As a curious user, I would like to be able to see current information and trends in the cryptocurrency

Known Bugs and Restrictions
- Sometimes the API we are using can be finicky and will not return data when too many calls are made in a short amount of time
- The API we are using for crypto currencies does not have trend (graph) data for quite a few of the options they offer. They advertise a long list of currencies and markets (exchange currencies), and say you can get trend data for any option, but often times the data won't exits. For example, a lot of crypto currencies that are less popular don't have any data, except maybe in one or two exchange currencies. And most crypto currencies have trend data when requesting USD, but won't have trend data when requesting less common currencies. To most effectively use this part of the app we recommend first tracking popular

cryptocurrencies (such as Bitcoin, Litecoin, Ethereum, ZCash, Dash) as these will have the most data.

- The crypto currency current exchange value API call is similar to the crypto currency trend api call, as for some options it does not have data. Also, this call is the most common call that will not return data when API calls have been made too frequently.
- All of the above are not bugs, rather inconsistencies with the API service we are using (because it's large and free) that we had to work around. Whenever data is not returned when a user searches something, unique messages in the analysis tab are shown in for each case in each relevant area.
- Loading up the list of stocks and cryptocurrencies sometimes takes pretty long. Sometimes it seems to load after about 15 seconds, but other times it is quicker than that.
- When running in the application via, gulp serve, there are many errors that are due to console.log not running well with angular. However, this does not affect functionality, and console.log continues to run.