

# Stock Insights

Kevin Flynn

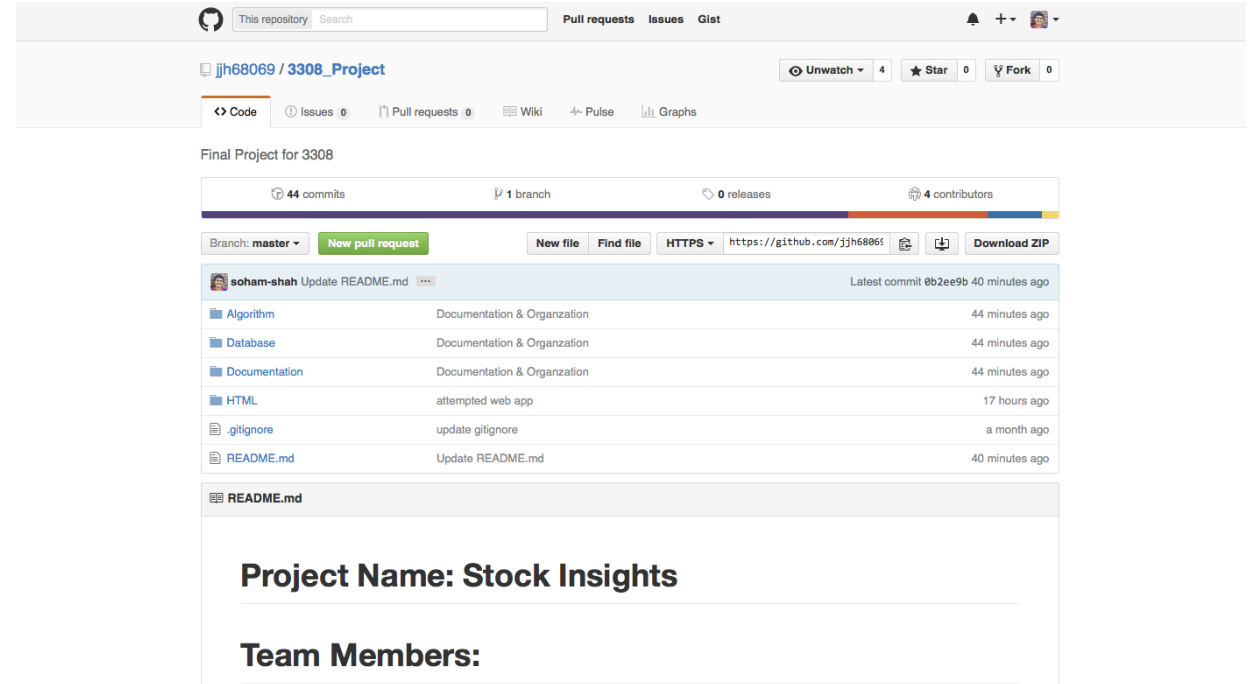
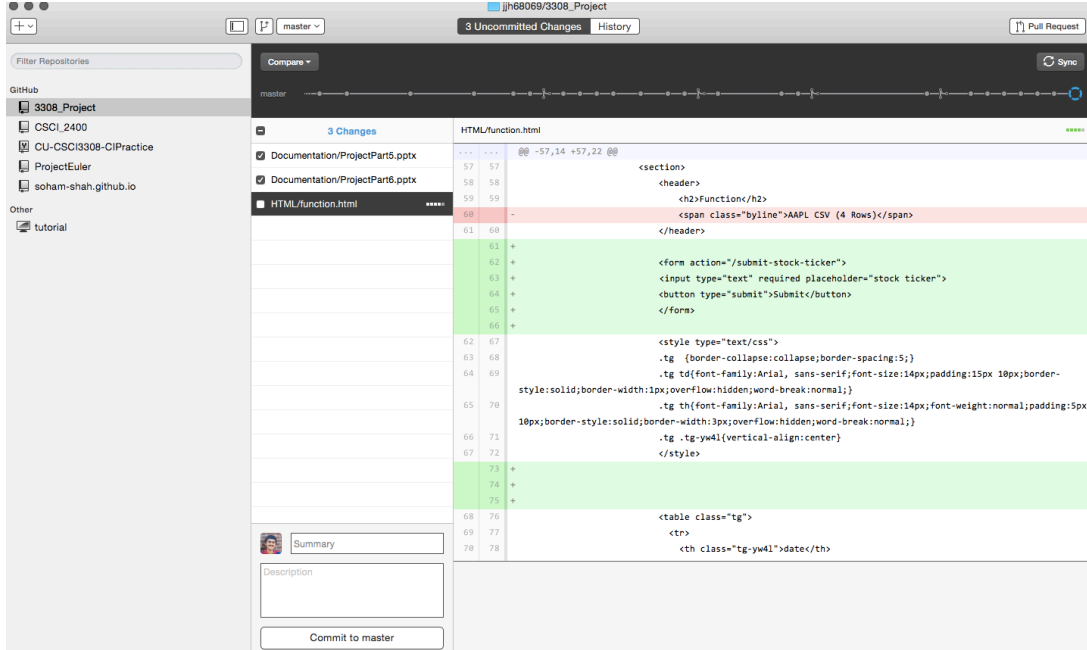
Jason Hill

Andrew Callahan

Soham Shah

# VCS Repo: Github Desktop Client

- Simple to use
- Keep track of contributions
- ★★★★★



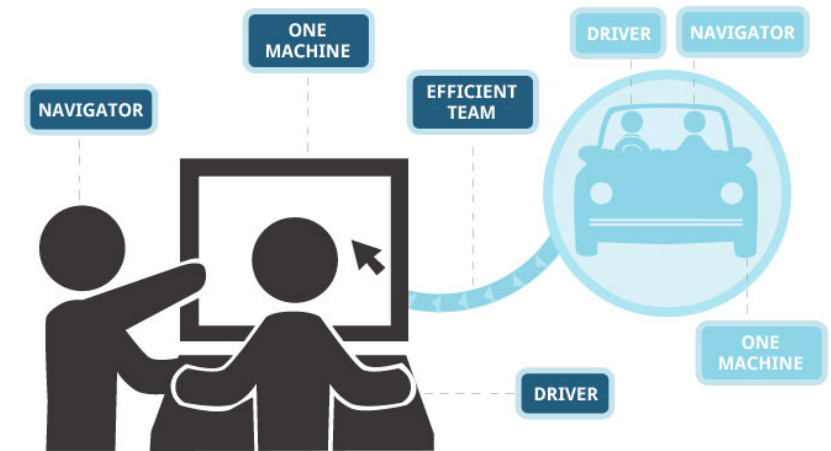
# Project Tracking: Trello



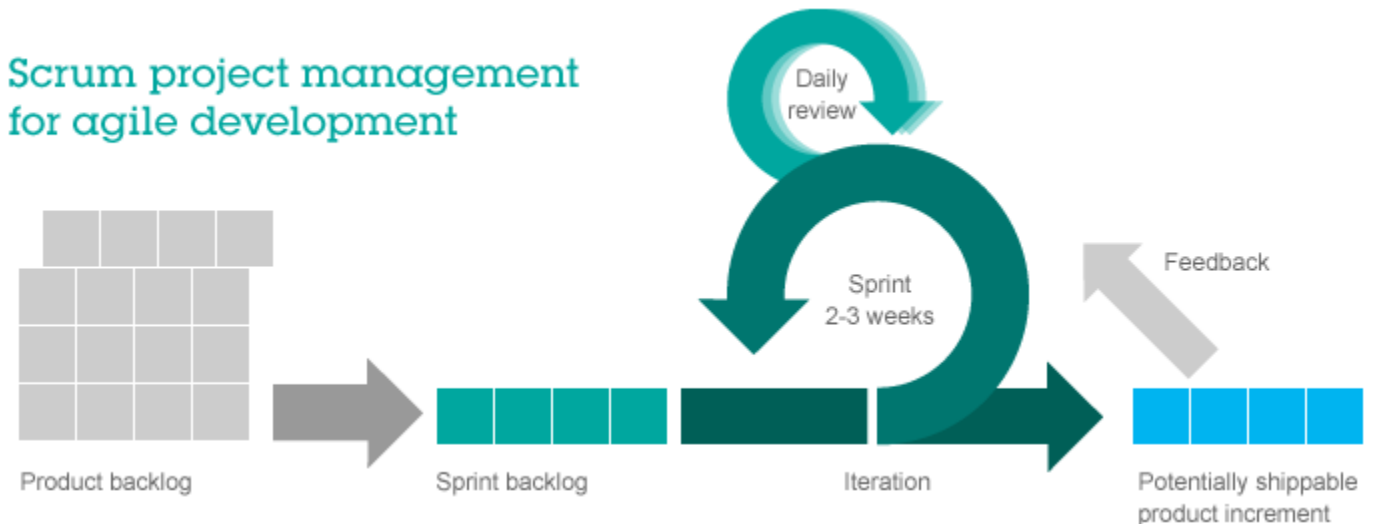
- Simple
- Not very useful for small teams
- Much more convenient to just message someone directly
- ★★

# Development Style: Agile

- Weekly meetings
- Meet on Monday and Wednesday
- Standups
- Pair programming
- Code Reviews before committing
- ★★★★★



## Scrum project management for agile development



# Database: SQLite 3

- It's a built in database library for python
- It creates a database on the local file system easily queried with standard SQL syntax through python
- ★★★★★



# Testing: Python Unit Testing

- Simple, easy to use syntax
- Not as useful for such a small codebase
- ★★

# Auto Documenter: Doxygen

- Simple, elegant way to isolate documentation from code base in a very readable format
- ★★★★★



# Development

- Sublime Text 2
  - Lightweight Text Editor
  - High level of customization
  - Lots of shortcuts to speed up workflow
  - ★★★★★
- PyCharm
  - Automatic code compilation
  - Inline code suggestions
  - ★★★★★





# Frameworks: Flask

- Allows incorporation of Python and HTML
- Run python code on a website with Flask as an intermediary
- ★★★★★



# API

- Quandl



# Deployment Environment

- [username].github.io
- soham-shah.github.io
- You can push the website code and Github will display the website for free

# Challenges

- Data storage limitations
  - Couldn't do an entire stock's history because it is too many
- API call restrictions
- Didn't look at the bigger picture
- Didn't consider integration between subsystems