# Emotions of Twitter - G005

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# Process

- Agile Process Management
- Scrum Meetings
  - 3 times per week
- Initially we didn't use the pull requests wisely but as iterations progressed, we made better use of them.

# Pivotal Tracker

- Backlog Selection - we selected from our backlog based on the minimum viable product that we wanted for each iteration. It wasn't until the third iteration that we added features outside of the minimum product. OAuth, friends list ...
- Feature Acceptance - our features were assigned to one or two programmers to work for an iteration. Features were accepted by the manager at the end of each iteration.
- Sprint velocity - our sprint velocity had to be increased for the third iteration due to the fact that we were trying to add features that didn't necessarily add to the minimum viable product

# Implementation

- JavaScript
  - Plotly.js
  - Multiple Twitter Handles
- Noteworthy Gems
  - Twitter
  - Sentimental

# GitHub and Heroku



original image from:
https://ro.atlassian.com/git/tutorials/using-branches/git-merge
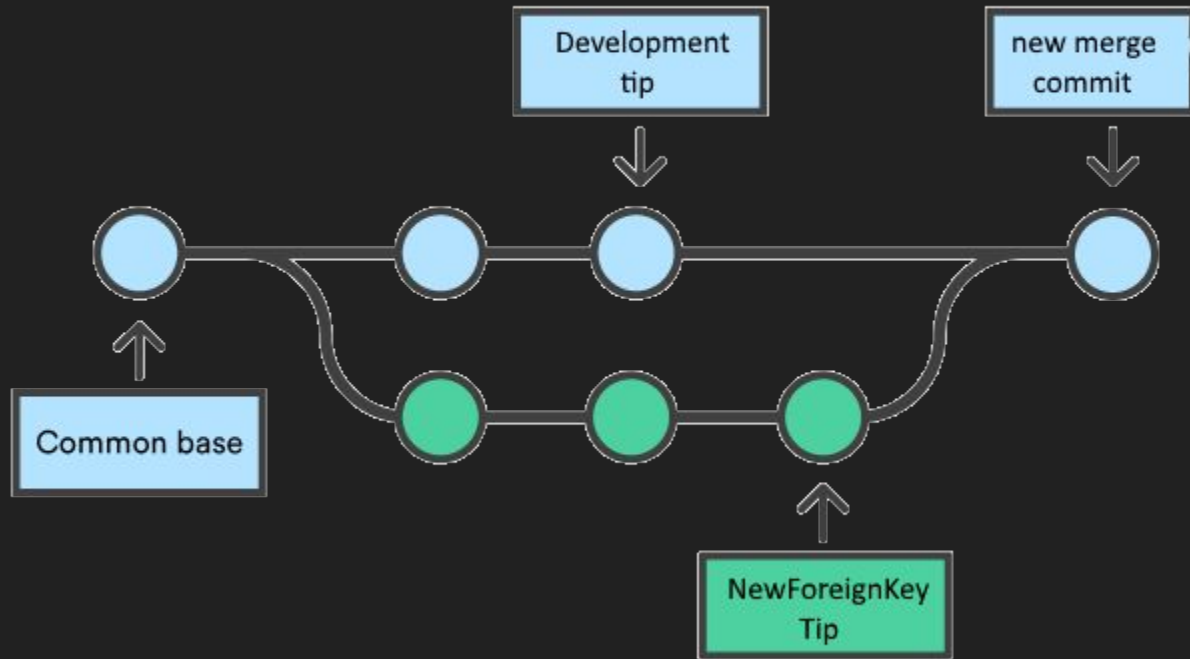
# Testing

- Unit Testing
    - Twitter API Stability in the models
    - Controller and model associations
- Acceptance Testing
    - Cucumber and Capybara
        - User login & sign up
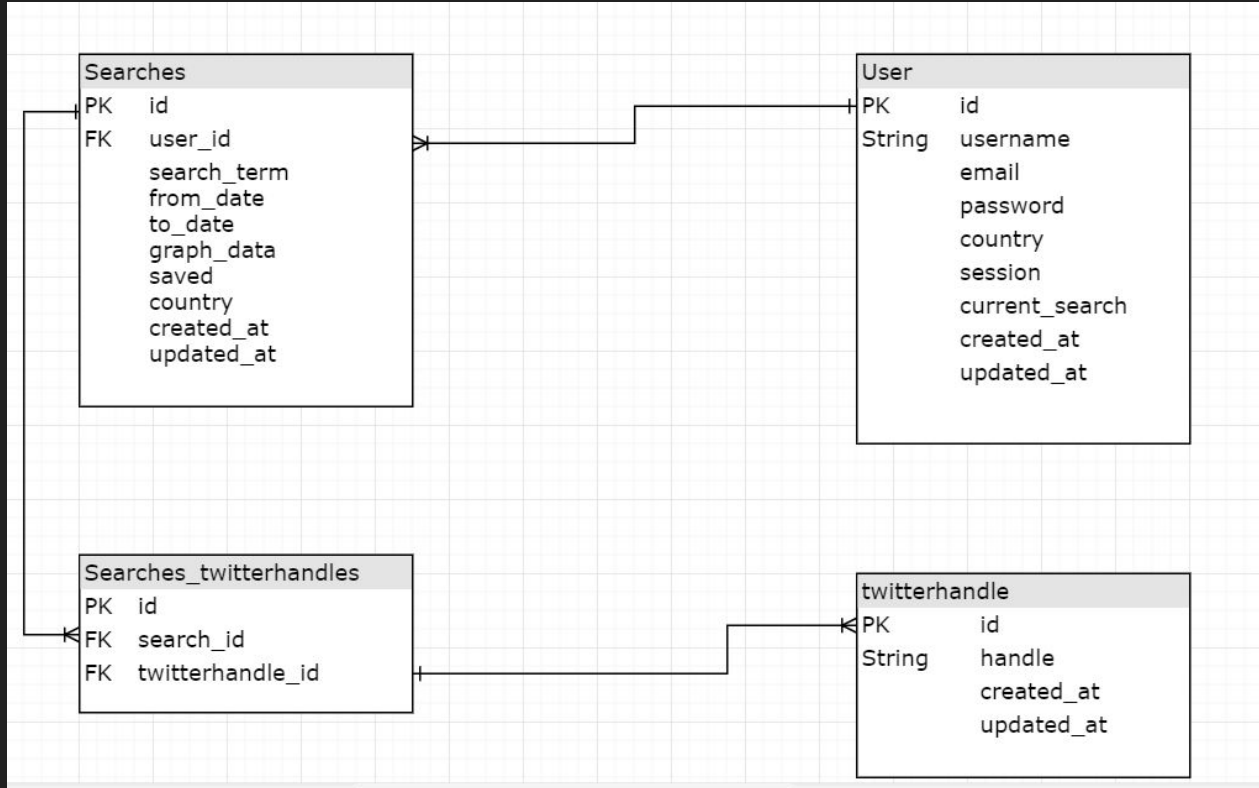        - Displaying searches

# Sprint 1 Database

| Searches | |
|---|---|
| PK | id |
| String | username |
| | search_term |
| | from_date |
| | to_date |
| | graph_data |
| | provider |
| | friendslist |
| | created_at |
| | updated_at |

| User | |
|---|---|
| PK | id |
| String | username |
| | email |
| | password |
| | country |
| | session |
| | current_search |
| | created_at |
| | updated_at |

# Sprint 2 Database

# Sprint 3 Database
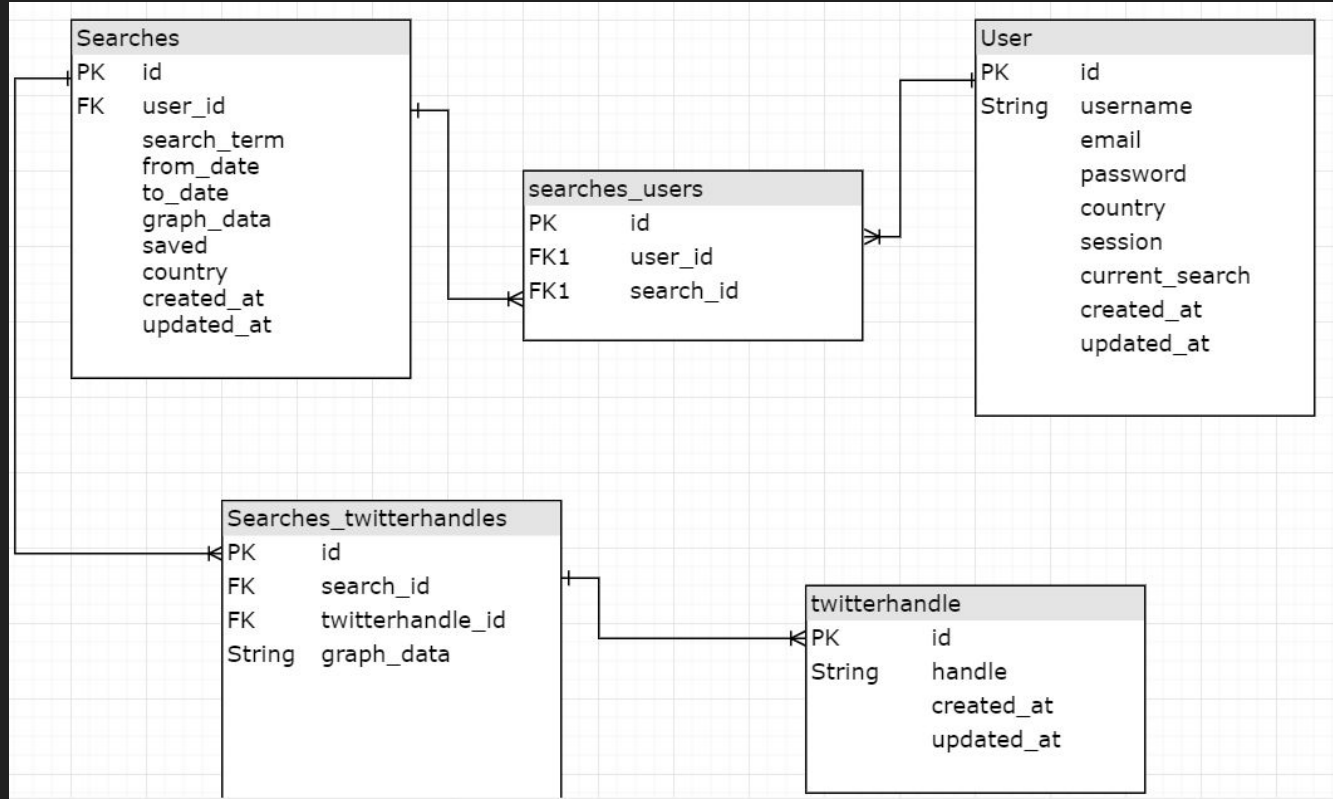
# Features

- Goal
  - Simple interface to compare how twitter users feel about a topic
- Minimum Viable Features
  - Sprint 1
    - User creation/login, baseline searches
  - Sprint 2
    - Javascript graphing with one twitter handle
    - Saving searches
    - User search history
  - Sprint 3
    - Graphing with the Sentimental Gem,
    - Analytics for multiple handles displayed on the same graph
    - Adding friends & viewing their profiles
    - Oauth login

# Future Implementations

- ## What's next?
  - Add some 🎉pizazz🎉 to the view
  - Specific tweets from the graph
  - Live updating graphs

# Retrospective Analysis

- Positives
    - Frequent meetings and communication
    - Pair Programming
    - Efficient Use of Twitter API
- Negatives
    - Limitations of Twitter API
    - Lack of foresight
    - Overly Ambitious