Sprint 3 Plan  
FileOpen Analytics  
Mavericks  
Completion Date: 7/17/2018  
Version 3.0 7/17/2018

* **Goal:** Develop two more data visualizations for our dashboard and be able to filter out open entries by user
* **Task Listing:**
  + User Story 1*:* As an author, I want to see the open geomap in vue application along with FileOpen dashboard, so I don’t have to go to a different page.
    - Task: Transfer geomap code to vue (**1 hr**)
  + User Story 2: As an author, I want to be able to see a bar chart for the amount of opens to see how frequent users are opening the documents so I know they’re reading them.
    - Task: Integrate bar chart into vue js (**2hrs**)
  + User Story 3: As an author, I want to see a bar graph of how long users have the document open so I can get a better understanding of how much my readers are viewing the documents.
    - Task: Get open duration of session (**2hrs**)
    - Task: Add switch to base bar graph off of durational open (**2hrs**)
  + User Story 4: As an author, I want to see the amount of opens per hour per day of the week/month so I can see the best time of day to publish files.
    - Task: Make function that counts data entries based off any field(**2hrs**)
    - Task: Use counting function to organize sessions by date/user (**1hr**)
    - Task: Create heatmap component in vue of static size (**10hrs**)
  + User Story 5: As an author, I want to see a bubble chart of how long users are opening documents for, so that I know how long they’ve been viewing them when looking at a large cluster of users.
    - Task: Make static Bubble chart component in Vue app (**5hrs**)
    - Task: Make function that counts data entries based off any field (same as user story 4 Task 1 )
    - Task: Collect number of sessions per user on a document(**1hrs**)
  + User Story 6: As an author, I want to be able to categorize the bubble chart by email domain via color, so I can easily distinguish different organizations.
    - Task: Add color to bubble chart (**1hr**)
    - Task: Make function that counts data entries based off any field (same as user story 4 Task 1 )
  + User Story 7: As an author, I want to categorize the bubble chart by email domain spatially, so that if messy, I can segregate users by their company.
    - Task: Spatially animate bubble chart (**6hrs**)
    - Task: Add force simulation to bubble chart (**1hr**)
  + User Story 8: As an author, I want to see the bar graph contain animated growing bars so I can see a fancy feature.
    - Task: Animate switch of bar graph data (**3hrs**)

Total Hours: **37 hours**

* **Team Roles:**
  + *Randall Li:* Developer
  + *Ciara Fitzpatrick:* Developer
  + *Nicholas Kalscheuer:* Developer
  + Sharad Shrestha: Developer
* **Initial Task Assignment:**
  + *Randall Li:* 
    - Create Heatmap component in Vue of Static Size (10hrs)
  + *Ciara Fitzpatrick:*
    - Collect number of sessions per user on a document (1hr)
  + *Nicholas Kalscheuer:*
    - Transfer Geomap Code to Vue (1hr)
  + *Sharad Shrestha:*
    - Make static bubble chart component in Vue app (5hrs)
* **Initial Burnup Chart:** *Separate file.*
* **Initial Scrum Board:** [**https://trello.com/b/sNwFaZ4X/scrum-board**](https://trello.com/b/sNwFaZ4X/scrum-board)
* **Scrum Times:** 
  + 8:30 pm - 8:45 pm M-Thu July 16- 19
  + 6 pm - 6:15 pm, Friday July 20
  + 5pm - 5:15 pm, Sat & Sun July 21, 22

**Notes:**

* Meeting with Scott on 7/17/18
  + 1) 2 more unique visualizations
    - Bubble chart
    - Heat map
  + 2) Get everything integrated into vue
  + 3) 1 week until Acceptance test
  + 4) Documenting
  + 5) Testing
* Ideas:
  + How many users in continent country are opening the file?
  + User opens emails between these and these; When is it the best time to run a campaign etc.