

Sprint 1 Plan

Product name: Rootify

Team name: Rootify

Sprint Completion: 10/22/17

Revision number: 1

Revision date: 10/16/17

Goal: We will start constructing the main layout of the web application. This includes the sidebar (so we can later create a recommended playlist and view artist/track information), the tree visualization layout (to visualize top artists and tracks), and place the buttons for switching between long-term and short-term top artists and tracks.

Tasks:

User story 1: “As a developer, I want to be comfortable with Git and GitHub so that I can keep my team up to date with my progress.”

- Learn more about Git, install GitHub and Git (0.5 hours per person = **2.5 hours**)

User story 2: “As a developer, I want to be comfortable with node.js, JavaScript, d3.js, jQuery, and the Spotify API so that I can be skilled for later development.”

- Learn about the Spotify authorization flow and analyze base code (**0.5 per member = $0.5 * 5 = 2.5$ hours**)
- Learn (or relearn) node.js, JavaScript, D3.js and jQuery (**5 hours per member = 25 hours**)

Total for user story 1: **30 hours**

User story 3: “As a developer, I want to create a Spotify login so that users can login to their Spotify accounts to access the visualization.”

- Create login screen and properly route page through Spotify login to Rootify (**2 hours**)
- Create Rootify logo and description (to work with layout) (**0.2 hours**)
- Create “Logout” button properly (**0.5 hours**)
- Create mockup (**0.5 hours**)

Total for user story 2: **3.2 hours**

User story 4: “As a Spotify User, I want a sidebar so I can access track filtering options and track/artist details so that I can be able to create a recommended playlist and view information.”

- Creating the sidebar in HTML, with two tabs and in the 'Generate' tab all of the buttons and sliders for the filtering settings **(0.5 hours)**
- Styling the sidebar itself and the buttons and sliders in CSS **(0.5 hours)**

Total for user story 3: **1 hour**

User story 5: "As a Spotify user, I want the ability to switch between long-term and short-term top 5 tracks and artists so I can easily see and discover new music based on my listening history."

- Creating the buttons in HTML and styling them with CSS **(0.1 hours)**
- Creating the initial d3.js tree layout, setting size and position **(2 hours)**
- Switching the tree layouts with each other properly with transitions **(1 hour)**

Total for user story 4: **3.1 hours**

User story 6 (added later on): "As a Spotify user, I want to find related artists based on who I listen to so that I can discover new artists."

- When clicking on an artist now, expand the tree downwards and pan view so the user can properly see the new node children (i.e. related artists). **(2 hours)**

Total of user story hours: 39.3 hours

Team roles:

Tristan Iverson:	Product Owner , Developer
Jonathan Ortiz:	Scrum Master , Developer
Kristine Nguyen:	Developer
Chloe Jiang:	Developer
Brian Tran:	Developer

Initial task assignment:

Tristan Iverson: User story 4, Creating initial d3.js tree layout, functionality of long-term and short-term buttons; user story 1, learning Git, JS, D3.js, jQuery, Spotify Web API

Jonathan Ortiz: User story 4, Creating the buttons for long-term and short-term; user story 2, login page; user story 1, learning Gt, JS, d3.js, jQuery, Spotify Web API

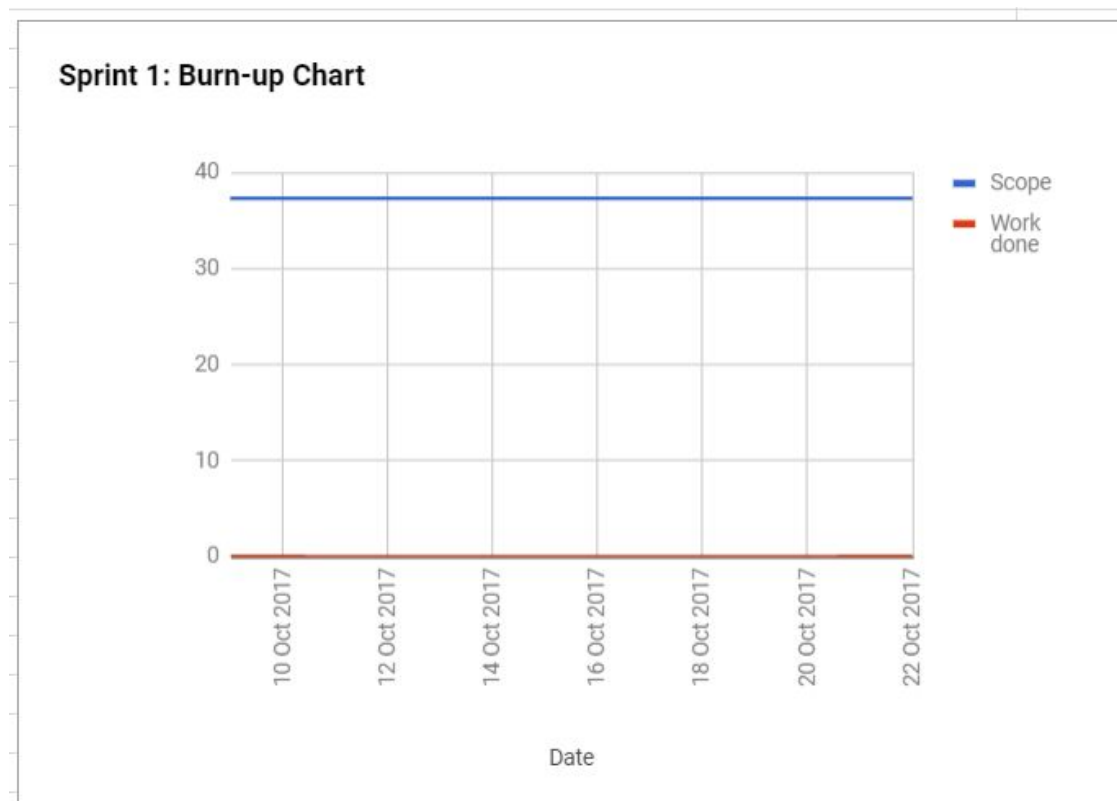
Kristine Nguyen: User story 3, Creating the overall sidebar with buttons and sliders; user story 1, learning Git, JS, d3.js, jQuery, Spotify Web API

Chloe Jiang: User story 2, Creating the Login page, change user button; user story 1, learning Git, JS, d3.js, jQuery, Spotify Web API

Brian Tran: Learning Git, JS, d3.js, jQuery, Spotify Web API

Initial burn-up chart:

Task ID	Title	Valid from	Estimate	Is done?	Work done	Comment
1	Learn and be comfortable with Git and	9 Oct 2017	2.5			
2	Learn the Spotify authorization flow	9 Oct 2017	2.5			
3	Learn and be comfortable with node.js	9 Oct 2017	25			
4	Create Rootify logo and description	9 Oct 2017	0.2			
5	Create login screen and properly route	9 Oct 2017	2			
6	Create "Log out" button	9 Oct 2017	0.5			
7	Create mockup for Rootify	9 Oct 2017	0.5			
8	Create sidebar in HTML (and contents)	9 Oct 2017	0.5			
9	Style the sidebar (and contents)	9 Oct 2017	0.5			
10	Create long-term and short-term button	9 Oct 2017	0.1			
11	Create initial tree layout	9 Oct 2017	2			
12	Switch between short-term tree layouts	9 Oct 2017	1			



Initial scrum board:

Sprint1_Rootify

Rootify

Team Visible

User Stories

"As a developer, I want to be comfortable with Git and GitHub."

"As a developer, I want to learn and be comfortable with node.js, JavaScript, d3.js, jQuery, and the Spotify API so that I can be skilled for later development."

"As a developer, I want to create a Spotify login and logout feature so that users can login to their Spotify accounts to access the visualization."

"As a Spotify User, I want a sidebar so I can access track filtering options and track/artist details so that I can be able to create a recommended playlist and view information."

"As a Spotify user, I want the ability to switch between long-term and short-term top 5 tracks and artists so I can easily see and discover new music based on my listening history."

Add a card...

Tasks Not Started

Create mock-up for Rootify

Create "Logout" button and functionality

Create Rootify logo and description (to work with layout)

Create the sidebar in HTML, with two tabs and in the 'Generate' tab all of the buttons and sliders for the filtering settings

Create login screen and properly route page through Spotify login to Rootify

Style the sidebar itself and the buttons and sliders in CSS

Add a card...

Tasks In Progress

Learn and be comfortable with Git and GitHub

Learn about the Spotify authorization flow and analyze base code

Learn and be comfortable with node.js, JavaScript (along with D3.js and jQuery)

Add a card...

Tasks Completed

Add a card...

Sprint1_Rootify

Rootify

Team Visible

User Stories

"As a developer, I want to be comfortable with Git and GitHub."

"As a developer, I want to learn and be comfortable with node.js, JavaScript, d3.js, jQuery, and the Spotify API so that I can be skilled for later development."

"As a developer, I want to create a Spotify login and logout feature so that users can login to their Spotify accounts to access the visualization."

"As a Spotify User, I want a sidebar so I can access track filtering options and track/artist details so that I can be able to create a recommended playlist and view information."

"As a Spotify user, I want the ability to switch between long-term and short-term top 5 tracks and artists so I can easily see and discover new music based on my listening history."

Add a card...

Tasks Not Started

Create login screen and properly route page through Spotify login to Rootify

Style the sidebar itself and the buttons and sliders in CSS

Create the long-term and short-term buttons in HTML and style them with CSS

Create the initial d3.js tree layout, setting size and position

Switch the tree layouts with each other properly with transitions

Add a card...

Tasks In Progress

Learn and be comfortable with Git and GitHub

Learn about the Spotify authorization flow and analyze base code

Learn and be comfortable with node.js, JavaScript (along with D3.js and jQuery)

Add a card...

Tasks Completed

Add a card...

SCRUM meeting times:

Wednesday, 10:00 AM, BE 316 (w/ TA Reihaneh)

Tuesday/Thursday 4:00 PM, BE 302