

# **Sprint 4 Plan**

## **Politrak**

### **Dec 2 2018**

### **Revision 1 (11/19/18)**

Goal: Implement voice report and voice notification features using Google Voice API. Add a tier system to rank the credibility of the reports and create a user interface for it.

User Story 1: As a user, I'd like to be able to know which sightings are more likely to be real, so I could be more aware of them. (6)

- Task 1: Set up tier system on indicators (3hr)
- Task 2: Set up a user interface for the user to view the tiers (2hr)

Total hours for user story 1: 5 hours

User Story 2: As a user, I'd like to be able to choose time preferences of the sightings, so the irrelevant ones won't show up in my app. (6)

- Task 1: Filter out the outdated reports based on each user's time preference (2hr)
- Task 2: Create a drop-down menu for selecting time preference (2hr)

Total hours for user story 2: 4 hours

User Story 3: As a user, I'd like to be able to use gesture like shaking to report, so I don't have to text and drive. (5)

- Task 1: Automatically file a report when shaking detected (2hr)

Total hours for user story 3: 2 hours

User Story 4: As a user, I'd like to report sightings via voice report, so I can drive safely. (5)

- Task 1: Set up voice report using google voice API (3hr)
- Task 2: Allow user to toggle voice report feature (1hr)

Total hours for user story 4: 4 hours

User Story 5: As a user, I'd like to be notified by voice notification, so I can keep my eyes on the road. (5)

- Task 1: Integrate text-to-speech to notification (2hr)

Total hours for user story 5: 2 hours

User Story 6: As a user, I'd like to be able to verify the notification, so other people know the report is true. (3)

- Task 1: Link verification count to database (2hr)
- Task 2: Show verification count on each report (1hr)

Total hours for user story 6: 3 hours

Team roles:

Jihwan Seo: Product Owner

Yu-shuo Li: Member

Joshua Silverman: Member

Hansol Kim: Member

Kuan-Ying Wang: Member

Chewei Wu: Scrum Master

Initial task assignment:

Jihwan Seo: Set up voice report using google voice API

Yu-shuo Li: Link verification count to database

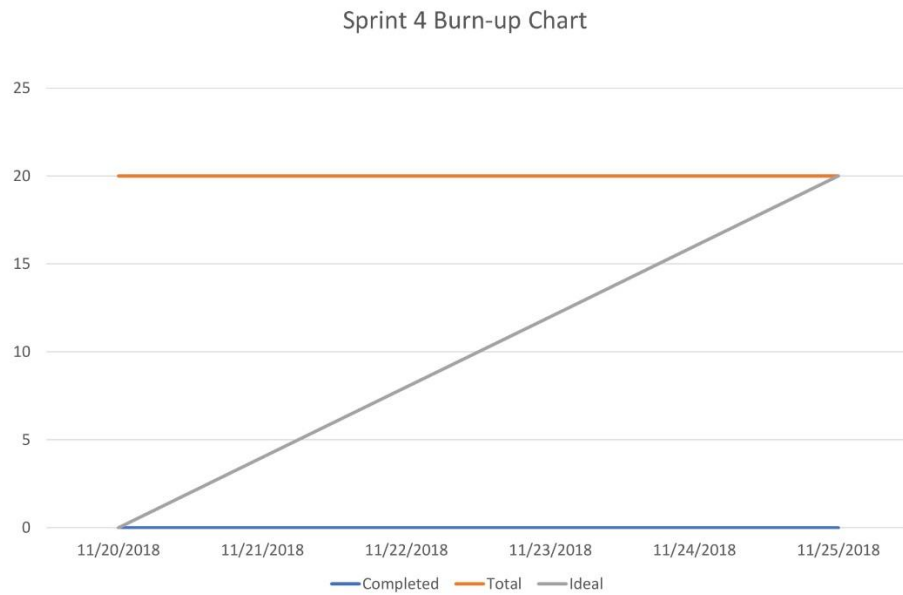
Joshua Silverman: Set up a drop-down menu for time preference

Hansol Kim: Set up a user interface for the user to view the tiers

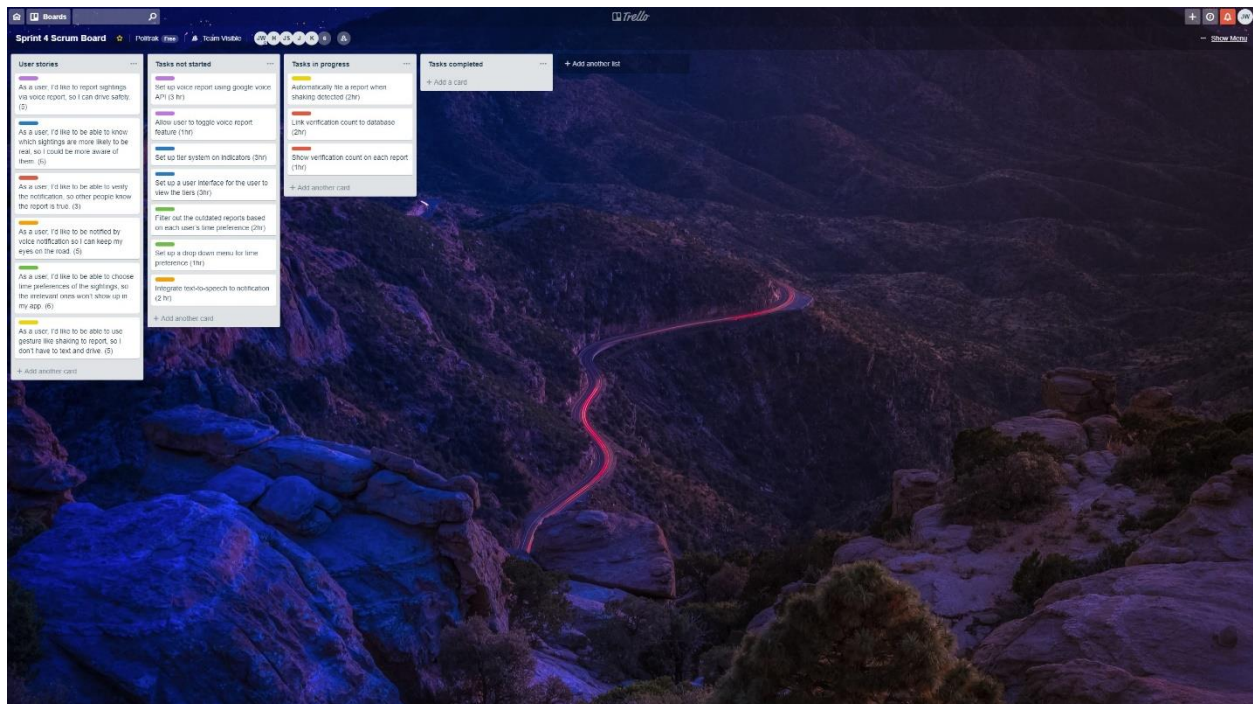
Kuan-Ying Wang: Integrate text-to-speech to notification

Chewei Wu: Filter out the outdated reports based on each user's time preference

Initial burnup chart:



Initial scrum board:



Scrum times:

Mon After class

Thursday 4:00 pm (TA visit)

Friday After class