

Goal: Create an Android app capable of taking pictures from the user, storing metadata/geolocation, image cropping and saving to local storage. Consider UI with respect to wireframes created. Utilize a test pretrained ResNet model to ensure compatibility with PyTorch in preparation for Sprint 3.

Task Listing

User story 1: “As a hiker, I want to be able to take a picture of a flower I saw with an app so that I can view it later.”

Task 1: (Infrastructure) Ensure all members have relevant environments set up including GitHub, Android Studio, Google Collaboratory. (complete by 6/29/20, est 2 hours, 1 pts)

Task 2: (Rnd) Create shared Android project, set Gradle Scripts and guidelines, research Camera APIs (complete by 6/29, est 1 hour, 2 pts)

Task 3: (Rnd) Create app main page (complete by 7/1, est 1 hour, 2 pts)

Task 4: (Rnd) Create camera function that can take pictures and save it along with geotag location (complete by 7/2, est 4 hours, 10 pts)

Task 5: (Rnd) Allow user to view pictures taken through the app (complete by 7/3, est 4 hours, 5 pts)

User story 2: “As an explorer, I want to be able to geotag my location so I can remember where the photo was taken.”

Task 6: Add to picture viewing functionality a Google Map window to view geotag location. (complete by 7/4, est 4 hours, 10 pts)

User story 3: “As a curious individual, I want to be able to take a picture of something and find out what it is, so I can be more knowledgeable.”

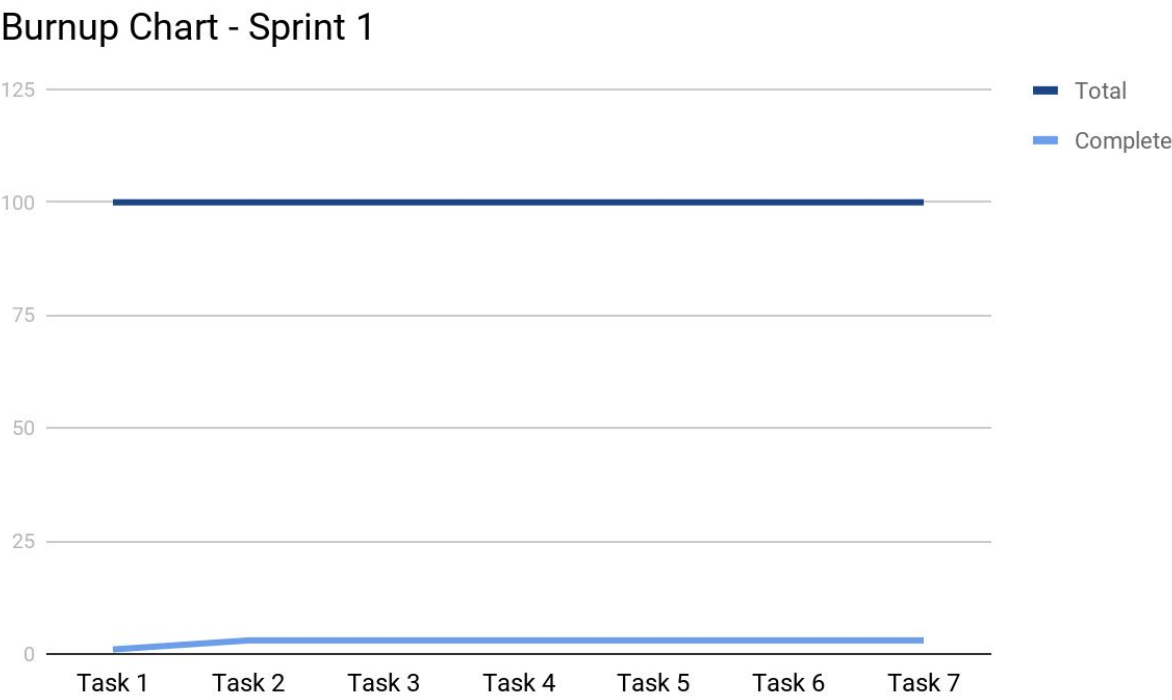
Task 7: Allow user to use photo taken to be evaluated by pretrained model (complete by 7/6, est 6 hours, 30pts)

Task 8: Allow user to evaluate photo taken on the fly. (complete by 7/6, est 1 hour, 10 pts)

Team Role:

| Team Members | Role 1 | Role 2 |
|--------------|---------------|-----------|
| James Wang | Project Owner | Developer |
| Luke Stein | Scrum Master | Developer |
| Mingrui Chen | Developer | |
| William Ye | Developer | |

Burnup chart:



Scrum Times:

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|------|----------|
| 6/29 | 6pm-9pm |
| 6/30 | 9pm-11pm |
| 7/1 | 9pm-11pm |
| 7/2 | 9pm-11pm |
| 7/3 | 8pm-11pm |

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| 7/4 | 3pm-10pm |
| 7/5 | 3pm-10pm |
| 7/6 | 6pm-10pm |