# Sprint 3 Report - Purrsight- J-Team - 7/21/20
# CMPS 115 - Software Methodology

**Action to stop:**

Throughout the past 3 sprints, the team was overly optimistic with the time commitment for user stories and tasks. In sprint 3, only 11 out of 41.5 working hours were completed. Of the 3 user stories, none were fully completed. Given the unfamiliarity of different technologies used, the team should stop underestimating tasks that have a high probability of running into errors and bugs.

**Actions to start:**

The team is in agreement that the overall project lacks documentation and style enforcement. Team members had difficulty understanding component functions written by other team members. There was also no enforcement of style guide as team members were overly concerned with functionality. Enforcement of code comments and style guide would avoid time wasted performing verbal explanations.

Some testing was done with postman for the backend api, but little to none unit testing was done for frontend functionalities other than visual inspection. Possible future unit tests for the frontend functionalities include posting files front the front end to a dummy RESTful server in the backend. More backend unit tests can be done with a dummy http client.

**Actions to continue:**

The introduction of pair programming for sprint 3 was very successful. The team split up into different groups to tackle tasks. The results were evident, as shown in the burnup chart compared to previous sprints.

The daily standup meetings have kept the team on top of team members' progress on tasks and spikes since sprint 1. The team sees the reward in having daily meetings, but understands that it is not likely for developers to have daily 2 hours Scrum meetings.

Git has been extremely helpful in providing version control to the Purrsight project. Combined with paired programming, paired devs work on their separate branches to avoid merge conflicts. Members consulted each other before merging to avoid disaster.

**Work completed:**

*User Story 1:*

1. django api for retrieving profile, make sure tested (WH 1)
2. Photo Storage in django (update django profile information) store information as part of user (WH 2.5)

3. Add in logic in react so that signin {id} != /{id}, edit/create buttons are not shown (if not your profile show follow button) (WH 1)
4. Photo upload in React (also form upload, just the photo upload is more difficult) (WH 2)
5. add profile form to use with update button (WH 1)
6. Profile Card in react-bootstrap (WH 1.5)

*User Story 2:*
1. Make the PictureCard(form) with respective fields (WH 1)
2. Create PostingCard in React (WH1)


**Work NOT completed:**

*User Story 1:*
1. react and axios api for retrieving post, test without profile (WH 1)
2. integrate profile cards into the pages they should exist on (WH 3) final integration and testing all aspects

User Story 2:
1. Upload posts using axios (WH 2)
2. Store posts using Django (WH 1)
3. Retrieve and display multiple posts using axios and react (WH 2.5)
4. Send posts using Django (WH 1.5)
5. Have page scrolling (load in 10 posts at a time, and bottom have button see more to see another set of 10 posts) (WH 1)
6. Add Posting Card to Profile and Feed pages (integrate with rest of react) (WH 3)
7. PictureCard: take into account formatting to center of page and trying to make card look clean (WH 1)
8. PostingCard: take into account formatting to center of page and trying to make card look clean (WH 1)

*User Story 3:*
1. Follow button changes to indicate following turns to unfollow (WH 1)
2. Send following using Axios (WH 1.5)
3. Update with Django (WH 1)
4. Create feed page and load posts by following (WH 3)
5. send posts to feed using django (WH 2)
6. Have page scrolling for feed (load in 10 posts at a time based off list of following users, and bottom have button see more to see another set of 10 posts) (WH 1)
7. integrate following into pages it exists (WH 2.5)

**Work completion rate:**

- User Stories completed during Sprint 3: 0 User Stories
- Estimated ideal work hours completed during Sprint 3: 41.5 WH
- Days during Sprint 3: 7 days
- Avg stories per day: 0
- Ideal work hour per day: 6 WH
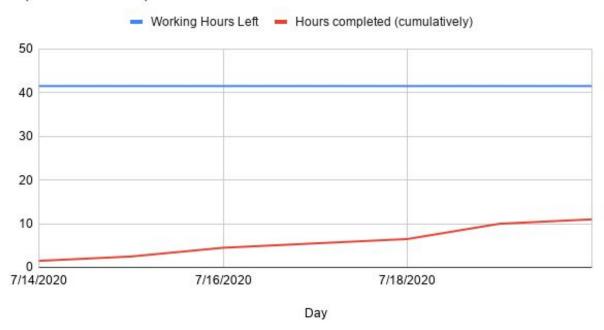- Burnup chart in **Figure 1.**

## Sprint 3 Burnup Chart

Legend: — Working Hours Left  — Hours completed (cumulatively)



**Figure 1.** *Sprint 3 Burnup Chart*