Sprint 3 Report

Robot Ear, Robot Ear 11/22/2023

Actions to stop doing:
- Working in smaller groups, switch to two groups of three

Actions to start doing:
- Testing
- Documentation
- Meeting in person

Actions to keep doing:
- 15 minute zoom meeting scrum check in
- At least 1 hour long meeting per week
- Keep meeting with blended team members to get bugs fixed
- Meet with TA every Monday
- Keep the standups with only updates, and changing the jira board
- Hold one hour-long in-person scrum meeting every week (Monday 9:30-10:30am) and two 15-minute meetings Wednesday and Friday because with three short meetings a week.

Work completed
- **Front end (Melany and Tanya):** As a user, I want to be able to click on a button to download my music sheet.
- **PDFer (Rishita and Lily):** We have moved to making the pdf of the music sheet to the front end. The vex flow library works! PDF is generated.
- **Classifier (Ana and Elliott):** Progress has been made on the hummingbird supercomputer. There are a few kinks in the machine learning model that are planned to be fixed in sprint 4.
- **Overall work completed**: We have made progress on all our user stories, but we have had to rework the architecture of our project. The PDFer was planned to be a backend functionality, but now it is being in the front. This was an unintended spike. We plan to use the hummingbird supercomputer for the classifier.

User story: {High} As a user, I want the web application to well connected so that it is functioning { 3 } DONE

User story: {High } As a user, I want to be able to receive a pdf of generated sheet music so that I can reference it { 3 } DONE

User story: {Low} As a user, I want the web application to be well tested, so that I get the most precise sheet music { 2 } DONE

Not completed
- Machine learning classifier. There are a few bugs in the model.
- End to end connection.
- Login feature

User story: {Medium} As a user, I want to be able to log into the web application { 4 } (stretch functionality)

User story: {Medium} As a user, I want to be able to save my sheet music on the web application so that I can reference the sheet music in the future { 4 } (stretch functionality)
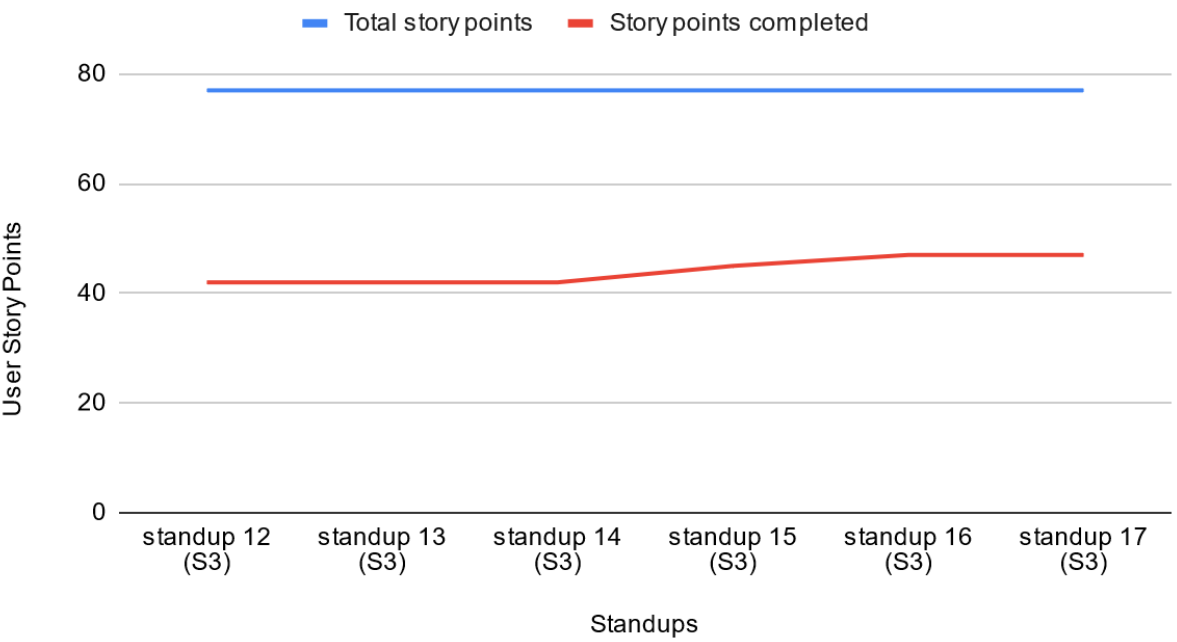
Spikes:
- Bug in the machine learning classifier
- Running a script in the flask server

Work completion rate:
- Total number of user stories completed during the sprint: 3
- Total number estimated ideal work hours completed during prior sprint: 16
- Total number of days during the prior sprint: 14
- Sprint 1 average user stories/day: 5/13
- Sprint 1 ideal average user stories/day: 5/13
- Sprint 2 average user stories/day: 6/14
- Sprint 2 ideal average user stories/day: 7/14
- Sprint 3 average user stories/day: 3/14
- Sprint 3 ideal average user stories/day: 5/14

Burnup Chart Sprint 3

Total story points ━━ **Story points completed** ━━

Burnup Chart from Sprint 1 to Sprint 3

total user story points ━━ **user story points finished** ━━