

# Sprint 3 Report (3/3/2023 - 4/2/2023)

## What's New (User Facing)

- Exception warnings
- Better plotting implementation
- Intercept calculation

## Work Summary (Developer Facing)

At the beginning of this sprint, our main focus was testing and verifying that the calculations performed in the program were correct, as well as improving the plotting of data points. We were able to greatly reduce the amount of points plotted at once which improved the performance of the plot and the entire application. In the last couple weeks of the sprint, we deployed the application on the clients system. We are having some performance issues with the client's system, so our main focus is resolving this issue. We are also focused on testing the application with the user, making any necessary changes due to feedback and creating documentation for the user.

## Completed Issues/User Stories

Here are links to the issues that we completed in this sprint:

- <https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopyt-hon/issues/47>
- <https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopyt-hon/issues/46>
- <https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopyt-hon/issues/48>
- <https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopyt-hon/issues/49>

## Incomplete Issues/ User Stories

We completed all the issues that we opened this sprint.

## Code Files for Review

- UI.py  
<https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopython/blob/main/mainUI/UI.py>
- Calculations.py  
<https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopython/blob/main/application/calculations/Calculations.py>
- Files in /read-data  
<https://github.com/WSUCptSCapstone-Fall2022Spring2023/biology-labviewtopython/tree/main/application/read-data>

## Retrospective Summary

### **Here's what went well:**

- We were able to improve the performance and usability of the app
- We were able to start testing the program on the client's system

### **Here's what we'd like to improve:**

- We'd like to focus more on testing (unit and acceptance)
- We'd like to figure out why there are performance issues on the client's system

### **Here are changes we plan to implement in the next sprint:**

- Focus more on unit and acceptance testing
- Figure out the performance issues on the client's system as quickly as possible