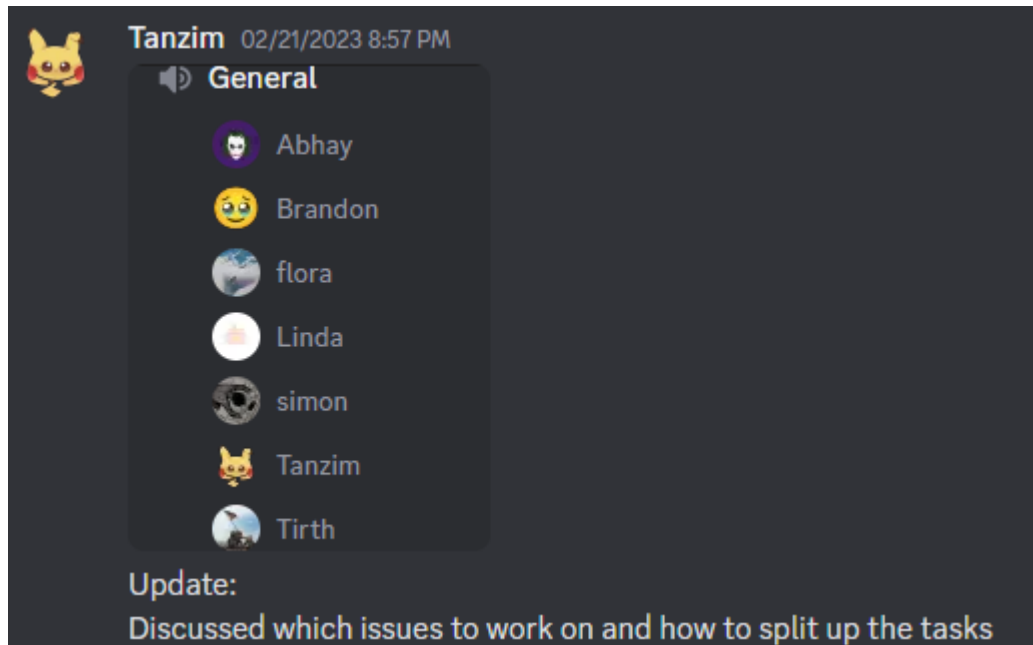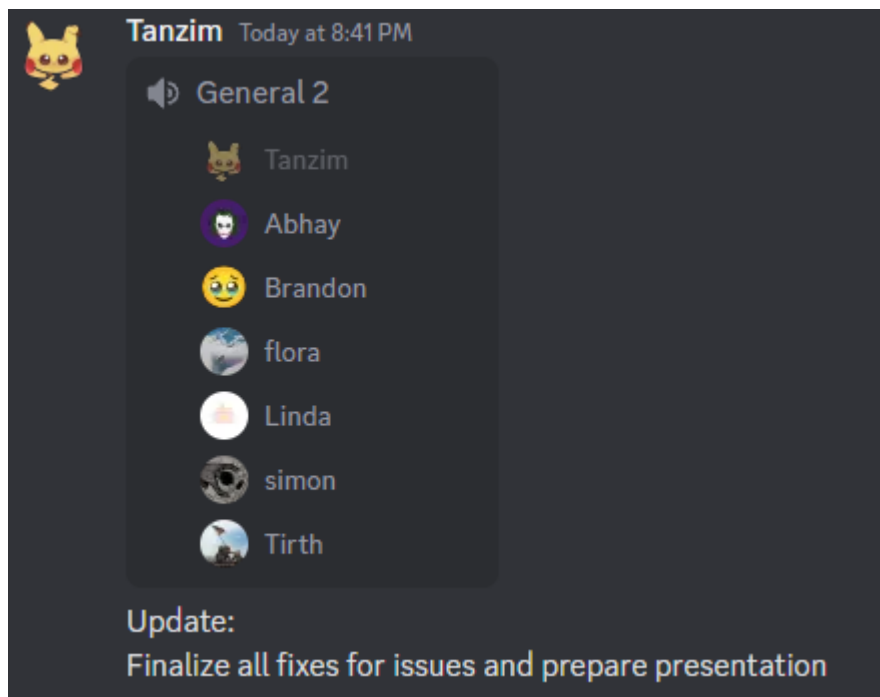# Development Process

Table of Contents:

Proof of Team Communication:

First team meeting: Break off team into smaller groups to work on individual issues

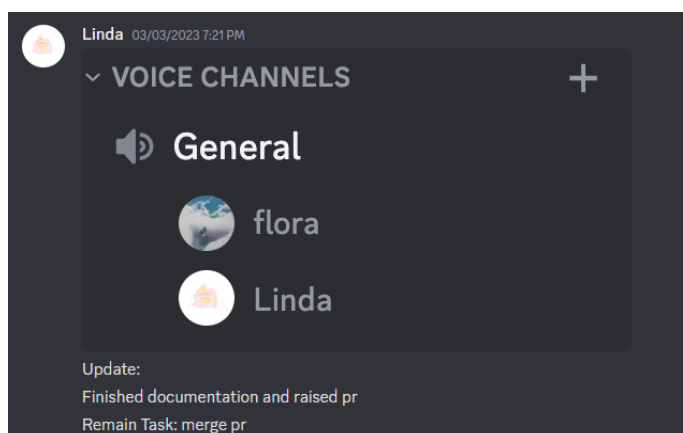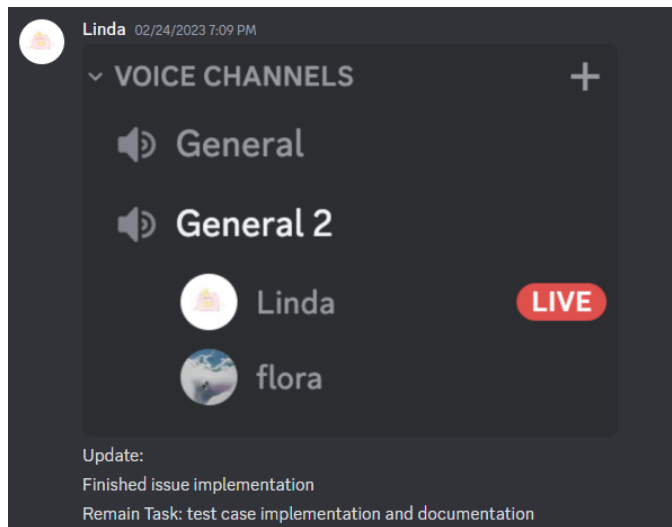**Last team meeting:** Finalize Deliverable 3

Individual Group Meetings:

Group: Automatic parameter validation #24862

Team members involved:
+ Linda Shi (task implementation and documentation)
+ Flora Xie (unit test and acceptance test, open pr)

Meetings:

Linda 03/06/2023 5:34 PM

∨ VOICE CHANNELS   +

🔊 **General**
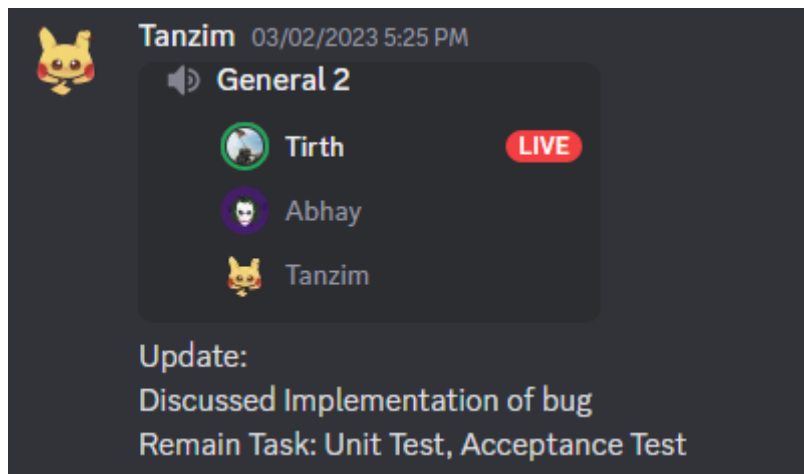
    Linda   **LIVE**
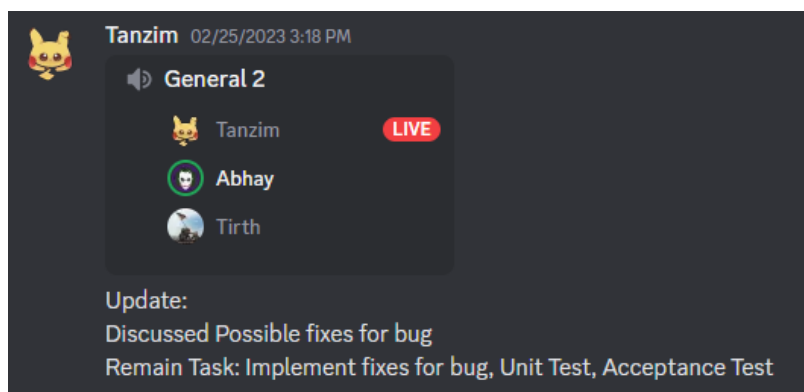
    flora

Update:
Merged pull request
Remain Task: None

Group: RandomForest #24037

Team members involved:
        + Abhay Patel (finding cause of bug and testing)
        + Tanzim Ahmed (finding fixes for bug and testing)
        + Tirth Patel (task implementation)

Meetings:
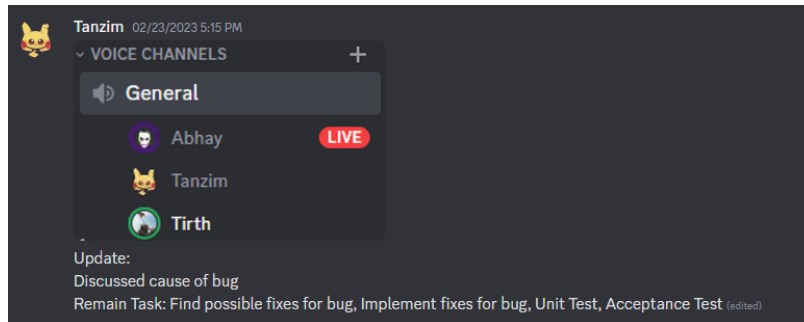
Tanzim 03/04/2023 3:12 PM

🔊 **General 2**

🃏 Abhay   **LIVE**

🐱 Tanzim

🌍 Tirth

Update:
Discussed Unit Testing
Remain Task: Acceptance Test

Tanzim 03/09/2023 5:10 PM

🔊 **General 2**

🐱 Tanzim   **LIVE**

🃏 Abhay

🌍 Tirth

Update:
Discussed Acceptance Test
Remain Task: Finalize Fix and push to repository

Group: NDCG score #21335

Team members involved:
   + Simon Chau (implementation and testing, documentation, created issue)
      + Brandon Lo (implementation and testing, documentation, open PR)

Meetings:

simon 02/22/2023 9:14 PM

🔊 **General 3**

🥹 Brandon   `LIVE`

simon

Update:
Understand the root cause of issue; began thinking of fix required
Remain Task: Implement fixes for bug, Unit Test, Acceptance Test, Documentation (edited)

simon 02/28/2023 9:18 PM

🔊 **General 3**

🥹 Brandon   `LIVE`

simon   `LIVE`

Update:
Discussed possible fixes; choose implementation; basic testing
Remain Task: Unit Test, Acceptance Test, Documentation (edited)

simon 03/04/2023 8:49 PM

🔊 **General 3**

🥹 Brandon   `LIVE`

simon   `LIVE`

Update:
Created remaining unit tests, verified acceptance test
Remain Task: Documentation

simon 03/08/2023 8:58 PM

🔊 **General 3**

    🖼️ simon   **LIVE**

    🥹 Brandon

Update:
Finalized code changes; opened PR for review; started on Documentation
Remain Task: Finish documentation

simon 03/09/2023 9:02 PM

🔊 **General 3**

    🖼️ simon   **LIVE**

    🥹 Brandon

Update:
Finished up documentation; merged PR; wrapped everything up
Remain Task: None

Task time estimation, assignment of tasks

Group: Automatic parameter validation #24862

Team members involved:
+ Linda Shi (task implementation and documentation)
+ Flora Xie (unit test and acceptance test, open pr)

Automatic parameter validation

📎 Attach   🔗 Add a child issue   🔗 Link issue   ˅

Description

○ Make automatic validation for all scikit-learn public functions · Issue #24862 · scikit-learn/scikit-learn

Child issues   Order by ˅   ··· +

▓▓ 100% Done

🔲 CD-4	Implement automatic parameter validation for function mean_squared_log_error	4	LS	DONE ˅
🔲 CD-5	Implement and pass test cases	4	MX	DONE ˅
🔲 CD-6	Documentation for implementation	6	LS	DONE ˅
🔲 CD-19	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main	2	MX	DONE ˅

Group: RandomForest #24037

Team members involved:
+ Abhay Patel (finding cause of bug and testing)
+ Tanzim Ahmed (finding fixes for bug and testing)
+ Tirth Patel (task implementation)

RandomForest #24037

📎 Attach   🔗 Add a child issue   🔗 Link issue   ˅

Description

○ RandomForestClassifier class_weight/max_samples interaction can lead to ungraceful and nondescriptive failure · Issue #24037 · scikit-learn/scikit-learn

Child issues   Order by ˅   ··· +

▓▓ 100% Done

🔲 CD-12	Find cause of bug	5	AP	DONE ˅
🔲 CD-15	Find possible fixes for bug	5	TA	DONE ˅
🔲 CD-13	Implement code change to fix bug	3	TP	DONE ˅
🔲 CD-16	Create unit test	2	AP	DONE ˅
🔲 CD-17	Create acceptance test	1	TA	DONE ˅
🔲 CD-18	Document code changes, including description and implementation in simon-yc/d...	1	TA	DONE ˅
🔲 CD-14	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main	1	AP	DONE ˅

Group: NDCG score #21335

Team members involved:
+ Simon Chau (implementation and testing, documentation, created issue)
+ Brandon Lo (implementation and testing, documentation, open PR)

NDCG score

📎 Attach   🔧 Add a child issue   🔗 Link issue   ⌄

Description

🔘 NDCG score doesn't work with binary relevance and a list of 1 element · Issue #21335 · scikit-learn/scikit-learn

Child issues   Order by ⌄   ···   +

100% Done

🟦 CD-7	Implement code change required		5	SC	DONE ⌄
🟦 CD-8	Pass acceptance test on PR		4	BL	DONE ⌄
🟦 CD-9	Add unit tests for the code changes		4	BL	DONE ⌄
🟦 CD-10	Documentation for deliverable 3		4	SC	DONE ⌄
🟦 CD-11	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main		1	BL	DONE ⌄

Overall Task Management and Time Estimation:

T	Key	Summary	Assignee	Reporter	P	Status	Story point estimate ↓	
✅	CD-3	RandomForest #24037	Unassigned	Tirth Patel	=	DONE	18	···
✅	CD-1	NDCG score	Unassigned	Simon Chau	=	DONE	18	
✅	CD-2	Automatic parameter validation	Unassigned	Linda Shi	=	DONE	16	
🟦	CD-6 CD-2 /	Documentation for implementation	Linda Shi	Meiyi Xie	=	DONE	6	
🟦	CD-15 CD-3 /	Find possible fixes for bug	Tanzim Ahmed	Tanzim Ahmed	=	DONE	5	
🟦	CD-7 CD-1 /	Implement code change required	Simon Chau	Simon Chau	=	DONE	5	
🟦	CD-12 CD-3 /	Find cause of bug	Abhay Patel	Tanzim Ahmed	=	DONE	5	
🟦	CD-10 CD-1 /	Documentation for deliverable 3	Simon Chau	Simon Chau	=	DONE	4	
🟦	CD-5 CD-2 /	Implement and pass test cases	Meiyi Xie	Linda Shi	=	DONE	4	
🟦	CD-4 CD-2 /	Implement automatic parameter validation for function mean_squared_log_error	Linda Shi	Linda Shi	=	DONE	4	
🟦	CD-8 CD-1 /	Pass acceptance test on PR	Brandon Lo	Simon Chau	=	DONE	4	
🟦	CD-9 CD-1 /	Add unit tests for the code changes	Brandon Lo	Simon Chau	=	DONE	4	
🟦	CD-13 CD-3 /	Implement code change to fix bug	Tirth Patel	Abhay Patel	=	DONE	3	
🟦	CD-19 CD-2 /	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main	Meiyi Xie	Linda Shi	=	DONE	2	
🟦	CD-16 CD-3 /	Create unit test	Abhay Patel	Tanzim Ahmed	=	DONE	2	
🟦	CD-18 CD-3 /	Document code changes, including description and implementation in simon-yc/d01w23-team-deez/	Tanzim Ahmed	Abhay Patel	=	DONE	1	
🟦	CD-17 CD-3 /	Create acceptance test	Tanzim Ahmed	Tanzim Ahmed	=	DONE	1	
🟦	CD-11 CD-1 /	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main	Brandon Lo	Simon Chau	=	DONE	1	
🟦	CD-14 CD-3 /	Submit PR to simon-yc/d01w23-team-deez/scikit-learn-main	Abhay Patel	Abhay Patel	=	DONE	1	

Task Tracking:

TO DO	IN PROGRESS	DONE 3 ISSUES ✓
		Automatic parameter validation ☑ CD-2 ✓ 16
		RandomForest #24037 ☑ CD-3 ✓ 18
		NDCG score ☑ CD-1 ✓ 18