Sprint 1C

The sub pages outline the documents generated during this sprint as well as the ceremonies conducted by all the teams.

Sprint 1C Backlog
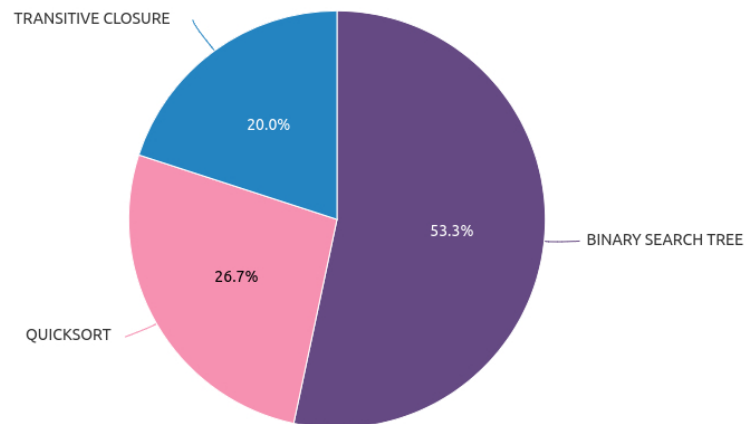
FEATURE	STORY ID	TASK	STORY ESTIMATE	PRIORITY	ASSIGNED TO
BINARY SEARCH TREE	05	Add some basic cases such as balanced tree, reversed tree and random tree	4	Should have	Team 2
	08	Highlight found nodes in RED and display text "NOT FOUND" for node that was not found	2	Should have	Team 2
	10	Make all the details of creating a "new node" in pseudocode collapsible (line 8 to 11 inclusive)	2	Should have	Team 2
QUICKSORT	13	Add alternatives for choosing pivot element - Rightmost (the one there now) and Median of three	4	Should have	Team 1
TRANSITIVE CLOSURE	23	Highlight i, j and k in the graph and increase the size of the arrow headers	3	Should have	Team 1

Sprint 1C Ceremonies

21/04/21 - Team 1 Sprint Planning

Meeting of: AIA Team 1

Held at: Zoom

Date: 21 Apr 2021

From: 5 :15 pm – 6 pm

Present:

Sanjana, Ishwari, Zimo, Jason, Naman

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Allocate tasks on Trello	• The following user stories/tasks have been allocated as follows - US_13_CHOOSE_PIVOT - Zimo, Jason, Naman US_15_ADD_POINTERS_QS - Jason US_16_DISPLAY_SORTED_ARRAY- Naman US_23_ADD_POINTERS_TC - Ishwari and Sanjana ** **All branches to be merged by** 27 Apr 2021 **6 pm**
2	Decide day for stand up	• Sprint Stand up - 24 Apr 2021
3	Address git norms	• Continue working on the forked repo - https://github.com/Sanj98/algorithms-in-action.github.io • Do a **git pull** in 'dev' branch before creating your branch • Create your branch with the **tag/task name** for eg - US_13_CHOOSE_PIVOT • From **now on we will merge with branch 'team1_dev'**

Next meeting

The next meeting will be held on 24 Apr 2021 via Zoom.

Agenda of next meeting

• Sprint Stand up - review progress

Minutes Approved by: All

26/04/21 - Team 1 Stand up

Meeting of: AIA Team 1
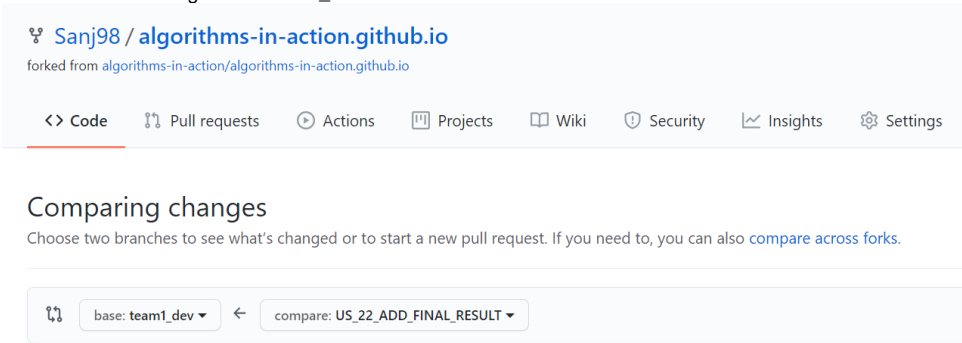
Held at: Zoom

Date: 13 Apr 2021

From: 7:30 pm – 8 pm

Present:

Sanjana, Ishwari, Zimo, Jason

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Progress of each member	- Naman (US_16_DISPLAY_SORTED_ARRAY) - - Jason (US_15_ADD_POINTERS_QS) - - Still working on it - Zimo (US_14_HIGHLIGHT_PIVOT) - - Needs to add the highlighting for line 5 - Zimo, Naman and Jason (US_13_CHOOSE_PIVOT) - - Zimo - added rightmost button - Jason - to add median of three button - Naman - to add pseudocode - Ishwari and Sanjana (US_23_ADD_POINTERS_TC) - - Completed and pushed
2	Any concerns	- Create pull request by 27 Apr 2021 as the sprint ends on the 27th - This time we will merge with "team1_dev" - **see below**

Next meeting

The next meeting will be on 28 Apr 2021 via zoom.

Agenda of next meeting

- Sprint review with clients

Minutes Approved by: All

27/04/21 - Team 2 Stand Up

Date

27 Apr 2021

Attendees

- Chao Zhang
- Mick
- Andrew
- Cameron

Goals

- Check the progress of each teammate
- Deploy team branches to the working environment
- Bring up general bugs found in code

Discussion items

Time	Item	Who	Notes
10 min	Progress of each member	- Chao Zhang - Mick - Andrew - Cameron	- Chao Zhang (US_10_NEW_NODE_COLLAPSIBLE) - Completed - Mick (US_08_HIGHLIGHT_FOUND_NODES) - Completed - Cameron suggested using a pop-up blocker to show node not found instead of showing on the top of the binary search tree - Cameron (US_05_ADD_BASE_CASES) - discuss the UI design for this user story
10 min	Deploy team branches to the working environment	Cameron	- Decided to use Heroku to track the changes of team braches - All the setup should be done by tomorrow 28 Apr 2021
5 min	Bring up general bugs found in code	Chao Zhang	- Identified 2 general bugs in existing code that need to be fixed - Indentation problem with pseudocode in collapse blocks - Highlighted pseudocode line is not synchronized with the animations - Should bring them up to clients in the upcoming review section

Action items

- ☐

28/04/21 - Sprint Review

Meeting of: AIA Teams

Held at: Zoom

Date: 28 Apr 2021

From: 11 am – 12:30 pm

Present:

Andrew, Cameron, Chao, Mick, Sanjana, Ishwari, Zimo, Naman

Linda, Lee, Harald (clients)

Minutes

The following was discussed –

S. No.	Agenda	Points discussed	
1	Demonstrate user stories implemented	User stories completed by Team 1 (demonstrated by Ishwari) -	Tag
		☑ Highlight the pivot element after its chosen in Quicksort ☐ Add pointers for 'i' and 'j' in Quicksort - pushed to next sprint ☐ Display sorted array at the bottom of the animation in Quicksort - pushed to next sprint ☑ Add Median of Three alternative to Quicksort for choosing a pivot ☑ Highlight 'i', 'j' and 'k', increase the size of arrow headers in Transitive Closure	US_14_HIGHLIGHT_PIVOT US_15_ADD_POINTERS_QS US_16_DISPLAY_SORTED_ARRAY US_13_CHOOSE_PIVOT US_23_ADD_POINTERS_TC
		User stories completed by Team 2 (demonstrated by Cameron) -	Tag
		☑ Add basic cases of reversed tree, random tree etc to BST ☑ Highlight found node in red and display text for node not found to BST ☑ Collapse the code block for creating a new node in BST	US_05_ADD_BASE_CASES US_08_HIGHLIGHT_FOUND_NODES US_10_NEW_NODE_COLLAPSIBLE

2	Collect requirements from clients for next sprint	• Algorithms to add
		   • Quicksort Median of Three
		   • Brute force String
		 • Pseudocode of both received from clients
		 • A further discussion of these will be done next week during the tutorial 04 May 2021	

3	Changes to be made	• Transitive closure
		   • Dynamic matrix = values change to 1 when path between i,j is found
		 • Quicksort
		   • Display sorted array
		   • Highlight i and j
		   • Add median of three
		 • BST
		   • Change "result not found" to "key not found"
		 • General issues
		   • Animation is implemented in the next line rather than in the line it was added to (eg - if added to line 2, implemented in line 3)	

Next meeting

The next meeting will be on 28 Apr 2021 via Zoom.

Agenda of next meeting

- Sprint 1C Retrospective

Minutes Approved by: All

28/04/21 - Sprint Retrospective

Meeting of: AIA Teams

Held at: Zoom

Date: 28 Apr 2021

From: 5 pm – 5:30 pm

Present:

Cameron, Sanjana, Ishwari, Zimo, Naman, Jason, Chao, Mick

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Goals achieved	• Added basic cases such as balanced tree, reversed tree and sorted tree to BST • Highlighted found nodes in RED and displayed text "Result not found" for node that was not found in BST • Collapsed pseudocode for creating a new node in BST • Highlighted i, j and k in the graph and increased the size of the arrow headers in Transitive Closure • Added Sprint 1C Backlog and meeting minutes of Sprint ceremonies • Updated Component Design and Use Case Diagram • Added Activity and State diagram • Added deployment and demo details • Updated Acceptance tests • Added System testing
2	Goals not achieved	• Did not label the element "i" and "j" in Quicksort • Did not add a sorted array at the bottom of the animation in Quicksort • Did not implement median of 3 completely
3	What we did well?	• Provided an accessible link to the clients to view the progress of teams • Effective communication • Team 2 completed all user stories as estimated rightly • Presentations during the review went well for both the teams
4	What can be better?	• Must improve collaboration - hit a few bumps in collaborating with fellow members (must respond to messages, update about their absence in meetings) • Complete tasks on time - don't carry forward them to the next sprint • Allocate time to the tasks well • Break down user stories to sub tasks for smooth implementation • Follow a standard styling for the improvements • Be mindful of changes to other features when implementing your own • Notify general bugs to the slack channel to inform everyone

Minutes Approved by: All