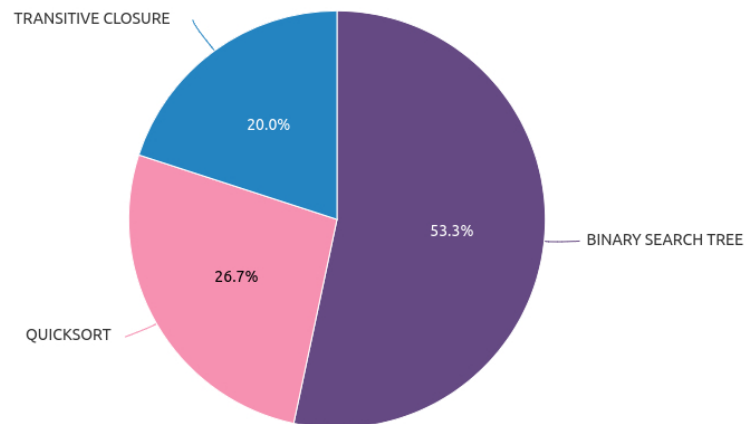


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# Sprint 1C

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	<ul style="list-style-type: none"><li>The following user stories/tasks have been allocated as follows -</li></ul> 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 <b>** All branches to be merged by 27 Apr 2021 6 pm</b>
2	Decide day for stand up	<ul style="list-style-type: none"><li>Sprint Stand up - 24 Apr 2021</li></ul>
3	Address git norms	<ul style="list-style-type: none"><li>Continue working on the forked repo - <a href="https://github.com/Sanj98/algorithms-in-action.github.io">https://github.com/Sanj98/algorithms-in-action.github.io</a></li><li>Do a <b>git pull</b> in 'dev' branch before creating your branch</li><li>Create your branch with the <b>tag/task name</b> for eg - US_13_CHOOSE_PIVOT</li><li>From <b>now on we will merge with branch 'team1_dev'</b></li></ul>

## 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

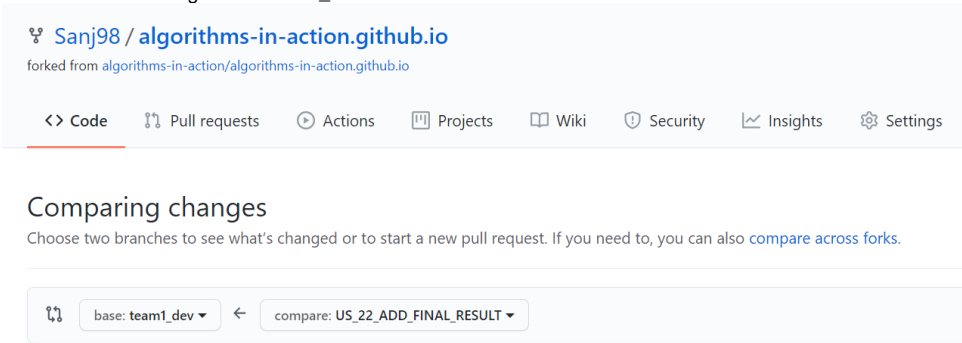
From: 7:30 pm – 8 pm

## Present:

Sanjana, Ishwari, Zimo, Jason

## Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Progress of each member	<ul style="list-style-type: none"><li>Naman (US_16_DISPLAY_SORTED_ARRAY) -</li><li>Jason (US_15_ADD_POINTERS_QS) -<ul style="list-style-type: none"><li>Still working on it</li></ul></li><li>Zimo (US_14_HIGHLIGHT_PIVOT) -<ul style="list-style-type: none"><li>Needs to add the highlighting for line 5</li></ul></li><li>Zimo, Naman and Jason (US_13_CHOOSE_PIVOT) -<ul style="list-style-type: none"><li>Zimo - added rightmost button</li><li>Jason - to add median of three button</li><li>Naman - to add pseudocode</li></ul></li><li>Ishwari and Sanjana (US_23_ADD_POINTERS_TC) -<ul style="list-style-type: none"><li>Completed and pushed</li></ul></li></ul>
2	Any concerns	<ul style="list-style-type: none"><li>Create pull request by 27 Apr 2021 as the sprint ends on the 27th<ul style="list-style-type: none"><li>This time we will merge with "team1_dev" - <b>see below</b></li></ul></li></ul> <div></div>

## 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

# 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
		<input checked="" type="checkbox"/> Highlight the pivot element after its chosen in Quicksort <input type="checkbox"/> Add pointers for 'i' and 'j' in Quicksort - <b>pushed to next sprint</b> <input type="checkbox"/> Display sorted array at the bottom of the animation in Quicksort - <b>pushed to next sprint</b> <input checked="" type="checkbox"/> Add Median of Three alternative to Quicksort for choosing a pivot <input checked="" type="checkbox"/> 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
		<input checked="" type="checkbox"/> Add basic cases of reversed tree, random tree etc to BST <input checked="" type="checkbox"/> Highlight found node in red and display text for node not found to BST <input checked="" type="checkbox"/> 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	<ul style="list-style-type: none"><li>Algorithms to add<ul style="list-style-type: none"><li>Quicksort Median of Three</li><li>Brute force String</li></ul></li><li>Pseudocode of both received from clients</li><li>A further discussion of these will be done next week during the tutorial 04 May 2021</li></ul>	
3	Changes to be made	<ul style="list-style-type: none"><li>Transitive closure<ul style="list-style-type: none"><li>Dynamic matrix = values change to 1 when path between i,j is found</li></ul></li><li>Quicksort<ul style="list-style-type: none"><li>Display sorted array</li><li>Highlight i and j</li><li>Add median of three</li></ul></li><li>BST<ul style="list-style-type: none"><li>Change "result not found" to "key not found"</li></ul></li><li>General issues<ul style="list-style-type: none"><li>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)</li></ul></li></ul>	

## 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	<ul style="list-style-type: none"><li>• Added basic cases such as balanced tree, reversed tree and sorted tree to BST</li><li>• Highlighted found nodes in RED and displayed text "Result not found" for node that was not found in BST</li><li>• Collapsed pseudocode for creating a new node in BST</li><li>• Highlighted i, j and k in the graph and increased the size of the arrow headers in Transitive Closure</li><li>• Added Sprint 1C Backlog and meeting minutes of Sprint ceremonies</li><li>• Updated Component Design and Use Case Diagram</li><li>• Added Activity and State diagram</li><li>• Added deployment and demo details</li><li>• Updated Acceptance tests</li><li>• Added System testing</li></ul>
2	Goals not achieved	<ul style="list-style-type: none"><li>• Did not label the element "i" and "j" in Quicksort</li><li>• Did not add a sorted array at the bottom of the animation in Quicksort</li><li>• Did not implement median of 3 completely</li></ul>
3	What we did well?	<ul style="list-style-type: none"><li>• Provided an accessible link to the clients to view the progress of teams</li><li>• Effective communication</li><li>• Team 2 completed all user stories as estimated rightly</li><li>• Presentations during the review went well for both the teams</li></ul>
4	What can be better?	<ul style="list-style-type: none"><li>• Must improve collaboration - hit a few bumps in collaborating with fellow members (must respond to messages, update about their absence in meetings)</li><li>• Complete tasks on time - don't carry forward them to the next sprint</li><li>• Allocate time to the tasks well</li><li>• Break down user stories to sub tasks for smooth implementation</li><li>• Follow a standard styling for the improvements</li><li>• Be mindful of changes to other features when implementing your own</li><li>• Notify general bugs to the slack channel to inform everyone</li></ul>

Minutes Approved by: All