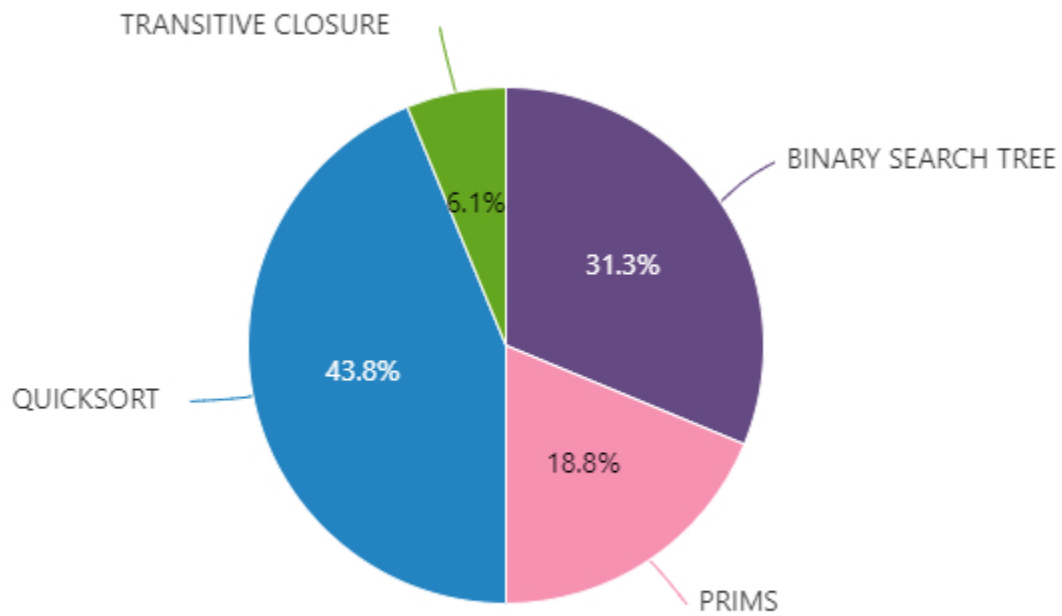


1. Sprint 1B .....	2
1.1 Sprint 1B Backlog .....	3
1.2 Sprint 1B Ceremonies .....	4
1.2.1 07/04/21 - Team 1 Sprint Planning .....	5
1.2.2 13/04/21 - Team 1 Stand up .....	6
1.2.3 20/04/21 - Sprint Review .....	7
1.2.4 20/04/21 - Sprint Retrospective .....	9

# Sprint 1B

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

# Sprint 1B Backlog



FEATURE	STORY ID	TASK	STORY ESTIMATE	PRIORITY	ASSIGNED TO
BINARY SEARCH TREE	07	Label the element "t" and "p" from pseudocode on the tree diagram.	2	Must have	Team 2
	09	Left and right branches should be displayed separately.	2	Must have	Team 2
	12	Add explanation for each line of pseudocode.	1	Must have	Team 2
PRIMS	06	Display a priority queue along with the graph to show the changes.	3	Must have	Team 2
QUICKSORT	14	Highlight the pivot element after it is chosen so it is distinguishable from other elements.	2	Must have	Team 1
	15	Label the element "i" and "j" from the pseudocode on the diagram.	2	Must have	Team 1
	16	A sorted version of array should be displayed at the bottom of the diagram for comparison.	3	Must have	Team 1
TRANSITIVE CLOSURE	22	The result should be shown at the final step of the algorithm.	1	Must have	Team 1

# Sprint 1B Ceremonies

This page consists of the meeting minutes of all sprint ceremonies conducted for Sprint 1B by both the teams.

# 07/04/21 - Team 1 Sprint Planning

Meeting of: AIA Team 1

Held at: Zoom

Date: 07 Apr 2021

From: 5 pm – 6 pm

## Present:

Sanjana, Ishwari, Zimo

## 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_14_HIGHLIGHT_PIVOT - Zimo US_15_ADD_POINTERS_QS - Jason US_16_DISPLAY_SORTED_ARRAY - Naman US_22_ADD_FINAL_RESULT - Ishwari and Sanjana <b>** All branches to be merged by 14 Apr 2021 6 pm</b>
2	Decide day for stand up	<ul style="list-style-type: none"><li>Sprint Stand up - 13 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_14_HIGHLIGHT_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 13 Apr 2021 via Zoom.

## Agenda of next meeting

- Sprint Stand up - review progress

Minutes Approved by: All

# 13/04/21 - Team 1 Stand up

Meeting of: AIA Team 1

Held at: Zoom

Date: 13 Apr 2021

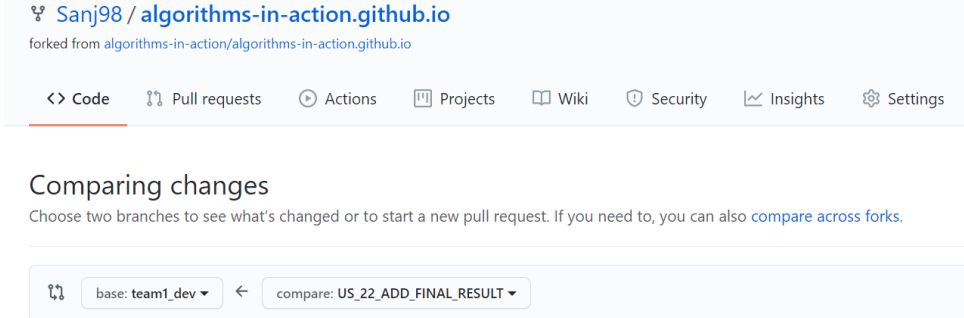
From: 5 pm – 6 pm

## Present:

Sanjana, Ishwari, Zimo

## 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) -<ul style="list-style-type: none"><li>will be implemented by tomorrow</li></ul></li><li>Jason (US_15_ADD_POINTERS_QS) -<ul style="list-style-type: none"><li>will be implemented by tomorrow</li></ul></li><li>Ishwari and Sanjana (US_22_ADD_FINAL_RESULT) -<ul style="list-style-type: none"><li>implemented and merged with team1_dev</li></ul></li><li>Zimo (US_14_HIGHLIGHT_PIVOT) -<ul style="list-style-type: none"><li>will be implemented by tomorrow</li><li>some confusions, will be discussed one on one with Sanjana over a quick call</li></ul></li></ul>
2	Any concerns	<ul style="list-style-type: none"><li>Create pull request by 15 Apr 2021 as the sprint ends on the 16th<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> <ul style="list-style-type: none"><li></li></ul>

## Next meeting

The next meeting will be on 20 Apr 2021 via zoom.

## Agenda of next meeting

- Sprint review with clients

Minutes Approved by: All

# 20/04/21 - Sprint Review

Meeting of: AIA Teams

Held at: Zoom

Date: 20 Apr 2021

From: 11 am – 12:30 pm

## Present:

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

Linda, Lee, Harald (clients)

## Minutes

The following was discussed –

S. No.	Agenda	Points discussed	
1	Demonstrate user stories implemented	User stories demonstrated by Sanjana (Team 1) -	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 final result to Transitive closure	US_14_HIGHLIGHT_PIVOT US_15_ADD_POINTERS_QS US_16_DISPLAY_SORTED_ARRAY US_22_ADD_FINAL_RESULT
		User stories demonstrated by Andrew (Team 2) -	Tag
		<input checked="" type="checkbox"/> Add pointers for 't' and 'p' in Binary Search Tree <input checked="" type="checkbox"/> Split the tree into left and right trees in BST <input checked="" type="checkbox"/> Add explanations for pseudocode of BST <input checked="" type="checkbox"/> Display a priority queue in Prim's algorithm	US_07_ADD_POINTERS_BST US_09_SPLIT_TREE US_12_ADD_EXPLANATION_BST US_21_DISPLAY_PRIORITY_QUEUE
2	Collect requirements from clients for next sprint	<ul style="list-style-type: none"><li>Alternatives for choosing pivot element (<i>need pseudocode from clients</i>)<ul style="list-style-type: none"><li>Rightmost (the one there now)</li><li>Median of three</li></ul></li></ul> <p>Clients emailed it to Sanjana who shared it on the slack channel</p>	
3	Changes suggested by clients	<ul style="list-style-type: none"><li>Quicksort<ul style="list-style-type: none"><li>Highlight the pivot element for the code "pivot &lt;- A[right]", it currently highlights it for "if (left &lt; right)"</li></ul></li><li>Transitive Closure<ul style="list-style-type: none"><li>Highlight i, j and k in the graph as well as matrix</li><li>Change values from 0 to 1 in the matrix when a path is found</li><li>Swap the "graph view" panel with "matrix view" panel</li></ul></li><li>Binary Search Tree<ul style="list-style-type: none"><li>Fix the spacing between the left and right trees</li><li>Change the colours of highlighting active tree and the rest of the tree</li></ul></li></ul>	

## Next meeting

The next meeting will be on 20 Apr 2021 via Zoom.

## Agenda of next meeting

- Sprint 1B Retrospective

Minutes Approved by: All



# 20/04/21 - Sprint Retrospective

Meeting of: AIA Teams

Held at: Zoom

Date: 20 Apr 2021

From: 5 pm – 5:30 pm

## Present:

Andrew, Cameron, Sanjana, Ishwari, Zimo, Naman, Jason

## Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Goals achieved	<ul style="list-style-type: none"><li>Fixed bug in existing code to close the nested blocks recursively so that the system can jump animation of closed blocks.</li><li>Labelled the element "t" and "p" from pseudocode on the Binary Search Tree diagram.</li><li>Split the trees into left and right trees distinctly in BST</li><li>Displayed a priority queue for BST</li><li>Highlighted the pivot element in Quicksort after its chosen</li><li>Fixed the animation with Transitive Closure for finding all nodes reachable</li><li>Added Sprint 1B Backlog and meeting minutes of Sprint ceremonies</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 to the bottom of the animation in Quicksort</li></ul>
3	What we did well?	<ul style="list-style-type: none"><li>Sprint review went smoothly as compared to last time - changes were merged before hand</li><li>Effective communication and collaboration</li><li>Presentation of Team 1 went well</li></ul>
4	What can be better?	<ul style="list-style-type: none"><li>Team 2 - presentation could have gone more smoothly</li><li>Not carry forward the user stories - try to complete on time</li><li>Provide an accessible link to the clients of the app</li></ul>

## Next meeting

The next meeting will be on 20 Apr 2021 via Zoom.

## Agenda of next meeting

- Combined meeting of teams to allocate tasks among the teams

Minutes Approved by: All