Sprint 2

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

Sprint 2 Backlog

FEATURE	STORY ID	TASK	STORY ESTIMATE	PRIORITY	ASSIGNED TO
TRANSITIVE CLOSURE	24A	Add a matrix in the middle panel.	2	Should have	Team 1
	24B	Add animation to the matrix such that values change from 0 to 1 when a path between "i" and "j" is found.	2	Should have	Team 1
QUICKSORT- MEDIAN OF THREE	25	Add the pseudocode for the Median of Three algorithm in the right panel.	3	Should have	Team 1
	26	Add animation for the Median of Three against the pseudocode in the middle panel.	3	Should have	Team 1
	27	Add checkboxes for "Median of three" and "Rightmost". After selecting the box, the pseudocode specific to the button must appear in the right panel.	1	Should have	Team 1
BRUTE FORCE STRING SEARCH	28	Add a brute force string algorithm.	4	Should have	Team 2
	29	Add Brute Force String Search to the left panel under the heading "Searching".	1	Should have	Team 2
	30	Add background and pseudocode of the algorithm to the right panel.	3	Should have	Team 2
	31	Add animation of the algorithm to the middle panel.	2	Should have	Team 2
	32	Add instructions of the algorithm to the middle panel before it can be played.	1	Should have	Team 2
GENERAL BUGS	33	Solve the animation lagging issue of the algorithm present in the right panel.	3	Should have	Team 2
	34	Add correct indentation of the pseudocode in the right panel under the "code" section.	3	Should have	Team 2

Sprint 2 Ceremonies

4/05/21 - Team 2 Sprint Planning

Meeting of: AIA Team 2

Held at: Zoom

Date: 04 May 2021

From: 6:00 pm – 6:45 pm

Attendees

- Andrew Harding
- Cameron Wong
- Chao Zhang
- @Mick

Goals

- To establish and distribute user stories to be completed in Sprint 2.

Minutes

Time	Item	Who	Notes
25	- Discuss user stories	All	- User stories are split into fixing bugs identified last sprint and implementing the new Brute force string matching algorithm. - Animation for BFSM is expected to be the most challenging story so will be given it's own week.
25	- Distribute user stories		- Look at trello.

5/05/21 - Team 1 Sprint Planning

Meeting of: AIA Team 1

Held at: Zoom

Date: 05 May 2021

From: 5 :00 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_15_ADD_POINTERS_QS - Jason - US_16_DISPLAY_SORTED_ARRAY- Naman - Median of Three - US_13_CHOOSE_PIVOT - Zimo 09 May 2021 - US_25_ADD_PSEUDOCODE_M3 - Naman 10 May 2021 - US_27_ADD_ONCLICK_EVENTS - Jason 12 May 2021 - US_26_ADD_ANIMATION_M3 - Zimo, Naman, Jason 17 May 2021 - US_24_ADD_MATRIX_TC- Ishwari and Sanjana 17 May 2021 ** **All branches to be merged by** 17 May 2021 **6 pm**
2	Discussion around Median of Three	Sanjana to demonstrate her suggested way of approaching the user story
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 14 May 2021 via Zoom.

Agenda of next meeting

- Sprint Stand up - review progress

Minutes Approved by: All

13/05/21 - Team 1 Stand up

Meeting of: AIA Team 1
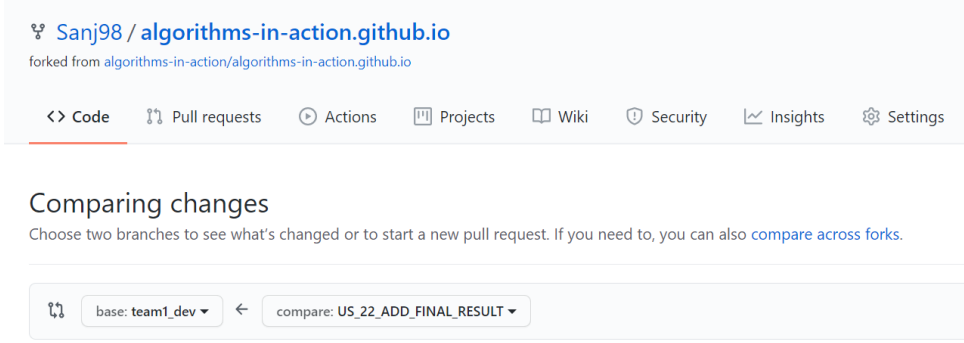
Held at: Zoom

Date: 13 May 2021

From: 6:30 - 7:00 pm

Present:

Sanjana, Ishwari, Jason, Naman

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Progress of each member	- Naman (US_16_DISPLAY_SORTED_ARRAY) - - working on it - Jason (US_15_ADD_POINTERS_QS) - - working on it - cannot style elements directly, need to play around with the functions - Zimo (US_13_CHOOSE_PIVOT) - - completed and pushed - Naman (US_25_ADD_PSEUDOCODE_M3) - - completed and pushed - Jason (US_27_ADD_ONCLICK_EVENTS) - - working on it - will look into how BST Insert and Search buttons are working and changing the pseudocode - Zimo, Naman, Jason (US_26_ADD_ANIMATION_M3) - - start when US_27 is pushed - Ishwari and Sanjana (US_24_ADD_MATRIX_TC) - - working on it
2	Quicksort Median of Three discussion	Another meeting to discuss the US_26 specifically, how to add the animation.
3	Any concerns	.Create pull request by 17 May 2021 as the sprint ends on the 18th. - This time we will merge with "team1_dev" - **see below** Sanj98 / algorithms-in-action.github.io forked from algorithms-in-action/algorithms-in-action.github.io <> Code Pull requests Actions Projects Wiki Security Insights Settings Comparing changes Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks. base: team1_dev ▾ ← compare: US_22_ADD_FINAL_RESULT ▾

Next meeting

The next meeting will be on 18 May 2021 IRL at Old Arts.

Agenda of next meeting

- Sprint review with clients

Minutes Approved by: All

18/05/21 - Sprint Review

Meeting of: *AIA Teams*

Held at: *Zoom*

Date: *18 May 2021*

From: *11 am – 12:30 pm*

Present:

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

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
		☑ Add a matrix in the middle panel of Transitive Closure ☑ Add animation the matrix to change values when a path between "i" and "j" is found. ☑ Add pseudocode of M3 to the app ☐ Add animation to the pseudocode of M3 ☐ Add on-click events to the checkboxes of Rightmost and M3 ☑ Display sorted array	US_24A_ADD_MATRIX_TC US_24B_ADD_ANIMATION_MATRIX_TC US_25_ADD_PSEUDOCODE_M3 US_26_ADD_ANIMATION_M3 US_27_ADD_ONCLICK_EVENTS US_16_SORTED_ARRAY
		User stories completed by Team 2 (demonstrated by Andrew) -	Tag
		☑ Add a brute force string algorithm ☑ Add Brute Force String Search to the left panel under the heading "Searching". ☑ Add background and pseudocode of the algorithm to the right panel. ☑ Add animation of the algorithm to the middle panel. ☑ Add instructions of the algorithm to the middle panel before it can be played. ☑ Solve the animation lagging issue of the algorithm present in the right panel. ☑ Add correct indentation of the pseudocode in the right panel under the "code" section.	US_28_ADD_STRING_SEARCH_STRUCTURE US_29_ADD_STRING_SEARCH_LEFT_PANEL US_30_ADD_STRING_SEARCH_RIGHT_PANEL US_31_ADD_STRING_SEARCH_CONTROLLER US_32_ADD_STRING_SEARCH_INSTRUCTION US_33_FIX_ANIMATION_BUG US_34_FIX_INDENTATION_BUG

2	Client suggestions	• Document the unfinished user stories with the reason
		 • Document the bugs identified by the teams
		 • Document the last minute changes suggested by the clients
		   • Documented by everyone in Future Work
		 • Code commenting
		   • Team 1 - Quicksort, Transitive Closure, Heapsort
		   • Team 2 - BST, Prim's, Brute Force
		 • User guide
		   • Naman Gupta	

Next meeting

The next meeting will be on 21 May 2021 via Zoom.

Agenda of next meeting

- Sprint 2 Retrospective

Minutes Approved by: All

18/05/21 - Team 1 Stand up

Meeting of: AIA Team 1

Held at: Zoom

Date: 18 May 2021

From: 6:30 - 7:00 pm

Present:

Sanjana, Ishwari, Jason, Naman, Zimo

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Progress of each member	- Naman (US_16_DISPLAY_SORTED_ARRAY) - - completed and pushed - Jason (US_15_ADD_POINTERS_QS) - - Encountered error while adding functions in the controller file to highlight i and j. - Discussed with team and the team has concluded that a new renderer file needs to be written for quicksort as the current ArrayGraphTracer render throws errors. - The methods used and problems faced will be documented by Jason Jia Jason in future work. - Zimo (US_13_CHOOSE_PIVOT) - - completed and pushed - Naman (US_25_ADD_PSEUDOCODE_M3) - - completed and pushed - Jason (US_27_ADD_ONCLICK_EVENTS) - - Gives an error because the controller file is empty. - This story has to be done in parallel with the animation. - Zimo, Naman, Jason (US_26_ADD_ANIMATION_M3) - - Started work. - Have a meeting where Naman Gupta Naman will explain how median of three pivot is chosen so that Zimo Li and Jason Jia Jason can implement the animation. - Ishwari and Sanjana (US_24_ADD_MATRIX_TC) - - completed and pushed

Next meeting

The next meeting will be on 21 May 2021 via Zoom.

Agenda of next meeting

- Team 1 Sprint Stand up

Minutes Approved by: All

21/05/21 - Team 1 Stand up

Meeting of: AIA Team 1

Held at: Zoom

Date: 18 May 2021

From: 6:00 - 7:00 pm

Present:

Sanjana, Ishwari, Jason, Naman, Zimo

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Progress of each member	- Jason (US_27_ADD_ONCLICK_EVENTS) - - Not able to switch between checkboxes so added it as a different algorithm. - Zimo, Naman, Jason (US_26_ADD_ANIMATION_M3) - - Replicated the animation of Quicksort rightmost - Added a sortLMR function, only animation of this function is left.
2	Review the ppt content and script	PPT - https://docs.google.com/presentation/d/1iUUVidZ02iZCbG-waoCUvbxuU15xdWkKRkvpZzEfE5Q/edit?usp=sharing SCRIPT - https://docs.google.com/document/d/1bAmGvFiNAvig7ymTSAhvYf4j9dRA83YPOq5V_jCU_s0/edit?usp=sharing
3	Deadlines	- Finalize slides - 22 May 2021 - Deadline to finalize ppt (one person to format and make it pretty/entertaining) - 23 May 2021 Ishwari Ajit Padval Sanjana Ratan - Run through 1 - 23 May 2021 - Run through 2 - 24 May 2021 - Final presentation - 25 May 2021

Next meeting

The next meeting will be on 25 May 2021 IRL at Old Arts.

Agenda of next meeting

- Final Presentation and demo

Minutes Approved by: All

25/05/21 - Sprint Retrospective

Meeting of: AIA Teams

Held at: Zoom

Date: 25 May 2021

From: 5 pm – 5:30 pm

Present:

Cameron, Sanjana, Ishwari, Zimo, Chao, Mick

Minutes

The following was discussed –

S. No.	Agenda	Points discussed
1	Goals achieved	- Displayed sorted array in Quicksort - Added Median of Three to the app. - Added Brute force string search to the app. - Fixed animation bug. - Fixed indentation bug. - Added Sprint 2 Backlog and meeting minutes of Sprint ceremonies - Updated Use Case Diagram - Added Future Work - Added User Guide - Updated Acceptance tests
2	Goals not achieved	Did not label the element "i" and "j" in Quicksort
3	What we did well?	- Improved communication - 3 stand ups of team 1 - Presentations went well for both the teams - Achieved majority of the goals set out at the beginning - Documented incomplete user stories and possible future work for the next team - Fixed all general bugs towards the end - Provided appropriate comments to the code
4	What can be better?	Review pull requests as soon as possible without having to notify the team

Minutes Approved by: All