Project 3 - Team 8

Sprint table:

S.No	User Story	Tasks	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	As a user, I want to have a dot at the center of the circle, so that I can connect with other shapes present in the workspace.	Modify existing Circle class	3	0	0	0	0	0	0
		Testing circle shape in Canvas	3	0	0	0	0	0	0
2	As a user, I want to connect two shapes by clicking on their respective dots, so that I can draw an edge between them.	Research about object connections	3	4	0	0	0	0	0
		Create a new method to draw edges	0	4	0	0	0	0	0
		Testing edges based on different user inputs.	0	3	0	0	0	0	0
3	As a developer, I want to improve the triangle's shape displayed in the workspace.	Modify existing Triangle class	0	3	0	0	0	0	0
		Testing triangle shape in Canvas	0	3	0	0	0	0	0
4	As a developer, I want to improve the drag and drop feature for the triangle shapes in the workspace.	Modify existing drag and drop method	0	0	5	0	0	0	0
		Testing drag and drop behavior	0	0	3	0	0	0	0
5	As a user, I want to have two vertical bars inside each square, so that I can connect with other shapes present in the workspace.	Add bar attribute to Square class	0	4	0	0	0	0	0

#	User Story	Task							
		Storing coordinate parameters	0	4	0	0	0	0	0
		Testing the square shape in Canvas	0	0	3	0	0	0	0
6	As a user, I want to have three dots positioned at the respective vertices inside each triangle so that I can connect with other shapes present in the workspace.	Modify existing triangle class to add three dots	0	0	0	0	0	0	0
		Storing coordinate parameters	0	0	0	0	0	0	0
		Testing the triangle shape in Canvas	0	0	0	0	0	0	0
7	As a user, I want to connect a square with any shape in the workspace by clicking the bar inside the square and dot or bar of any other shape.	Create a method to connect bars	0	0	0	0	0	0	0
		Testing the connection response for different inputs	0	0	0	0	0	0	0
8	As a user, I want a single dot to be connected with only one edge.	Incorporate connection criteria for dots	0	0	0	5	0	4	0
9	As a user, I want to draw multiple edges from the bars in a square to any dot or bar of any other shape.	Incorporate connection criteria for bars	0	0	0	0	0	0	0
10	As a developer, I want to create test cases and verify that the "connecting dots and bar" functionality work according to the constraints.	Write test cases to validate connections	0	0	0	0	0	5	5
11	As a developer, I want to create prototypes of save-open architecture and run tests to determine the	Research about methods to manage user sessions	0	3	4	4	0	0	0

	best approach to implement it.	Implement examples to understand the working	0	0	0	4	0	4	4
12	As a user, I want a menu feature, so that I can save my current workspace.	Implement save method	0	0	0	0	0	0	0
		Testing to validate if the user session is saved as it is.	0	0	0	0	0	0	0
13	As a user, I want a menu feature, so that I can open my saved workspace.	Implement open method	0	0	0	0	0	0	0
		Testing to validate if the user session is loaded correctly	0	0	0	0	0	0	0

Sprint Review

Attended by:
- Amudhan Manisekaran
- Anusha Singh
- Kartik Mathpal
- Sandya Manoharan
- Sayali Tanawade

What was done in this sprint:
- Implementation of one dot at the centre of the circle was done.
- Implementation of bars in the square was done.
- Implementation of connecting the dots with a line was done successfully.
- There were two defects in the product at the end of the last sprint. One, the triangle shape was not how the user was expecting and two, the drag and drop feature was not implemented to full user satisfaction. Both these defects were fixed in this sprint.

What was not done in this sprint:
- The dots in each of the vertices of the triangle were not implemented.
- User Stories 8, 9 and 11 did not reach completion.

- User Stories 6, 7, 10, 12, 13 were not implemented.
- The scrum team was unable to acquire all the knowledge pertaining to the gaps in knowledge.

What went well during the Sprint:
- Previously discussed shortcomings were fixed in the project.
- The team worked well together.
- Regular meetings were held to ensure that every team member was on the same page.

Obstacles faced during this sprint:
- Differentiating the same mouse event for two different operations required some research.
- Same operation was being used for two different activities, but there were some obstacles being faced0.
- The coding required for drawing a straight line posed as an obstacle.

How did resolve these obstacles:
- The team had to improve the coding skills and research on how to sort out the issues showing up.

Discussion of Product Backlog:
- It was decided that the remaining User Stories will be carried over to the next Sprint Backlog.

Next Sprint Goal:
- The scrum team needs to work on the knowledge acquisition to ensure that the coding standards are met.
- Time management should be key.

Sprint Retrospective

Attended by:
- Amudhan Manisekaran
- Anusha Singh
- Kartik Mathpal
- Sandya Manoharan
- Sayali Tanawade

What went well:
- We fixed two defects in this sprint.

- We finished the implementation of dots at the center of the circle.
- We finished the implementation of creating two bars in the square.
- We implemented the functionality of connecting dots with line in the circle.

What needs improvement:
- Need to plan better for story pointing of user stories.
- Need to spend less time in knowledge acquisition.
- Meet more frequently to discuss the progress of the project.

Next Steps:
- Start implementing stories that are independent so that all team is not waiting for a particular task to be completed.
- Consider the availability of each team member by hours a day to avoid over estimation.

Burndown chart