Team 4

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Sprint Review

To connect the dots/bars of shapes from one shape to another using lines and to adding save and load functionality.

Description:- We have added a dot at the centre of the circle, three dots with one at each corner of the triangle and a bar at each vertical edge of the square. So that we can draw a line from one dot in a shape to a dot in another shape, and can draw many to one if we are drawing lines from bars to dots, and one to many if we are drawing lines from dots to bars. Also added save and load functions to store the json file.

Things failed to achieve :

- After loading the .ser file, User story 11(As a user, I want the lines associated with the object to extend along with the object as long as I drag) is failed as the lines are breaking apart while we drag and drop.
- Were unsuccessful in restricting the number of lines drawn from each point.

Sprint Retrospective

What went well :

1. We were able to add dots in circle ,triangle and bars in the rectangle.
2. We were able to associate the lines with the object to extend along with the object as long as we drag.
3. We were able to store the shape objects and lines in lists and serialize them so that we can save our progress.
4. We were able to deserialize the .ser file so that we can draw them back to the canvas.

What went wrong :

1. After loading the .ser file, User story 11(As a user, I want the lines associated with the object to extend along with the object as long as I drag) is failed as the lines are breaking apart while we drag and drop.
2. Were unsuccessful in restricting the number of lines drawn from each point.

What can be improved :

1. Association of lines can be improved so that there will not be any breaks in the line after loading the file.
2. Conditional statements can be improved to restrict the lines drawn from each point.

TASK BOARD

As a user, I want a dot at the center of the circle so that I can view it.	**Assigned to :** Snehith Karna					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a circle with diameter 10 in the center of the circle shape.	2 hrs	Task closed	Task closed	Task closed	Task closed
	Add mouse action listener to the small circle when clicked.	1hr	Task closed	Task closed	Task closed	Task closed
	Integration	0	1hr	closed	closed	closed
	Testing	0	1hr	closed	closed	closed

As a user, I want three dots with one at each corner of the triangle so that I can view it.	**Assigned to :** Sree Pradeep Kumar					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add three circles with diameter 10 near to edges in the inside the triangle	2 hrs	Task closed	Task closed	Task closed	Task closed
	Add mouse action listener to the three small circles when clicked	1hr	Task completed	Task completed	Task completed	Task completed
	Integration	0	1 hr	closed	closed	closed
	Testing	0	1hr	closed	closed	closed

As a user, I want a bar at each vertical edge of the square so that I can view it.	**Assigned to :** Nikitha					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add two bars with width 5 and length equals the length of the square inside the vertical edges of the square shape	2 hrs	Task closed	Task closed	Task closed	Task closed

Integration	0	1 hr	closed	closed	closed
Testing	0	1hr	closed	closed	closed

As a user, I want to draw only one line from a dot of one shape to the dot of another shape.

Assigned to : Sree Pradeep Kumar

	Day 1	Day 2	Day 3	Day 4	Day 5
Add mouse action listener to the dot when clicked.	0	0	2 hrs	closed	closed
Add a line between the coordinates of when two dots are clicked	0	0	0	3 hrs	closed
Limit the number of lines which could be drawn from a point	0	0	2hr	1hr	4hr/ stucked
Integration	0	0	0	1 hr	closed
Testing	0	0	0	1 hr	closed

As a user, I want to draw multiple lines from bars in the square.	**Assigned to :** Nikitha					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a mouse actin listener when clicked on the bar within the square	0	0	2 hrs	closed	closed
	Add a line between the coordinates of when two coordinates are clicked	0	0	0	3 hrs	closed
	Integration	0	0	0	1 hr	closed
	Testing	0	0	0	1 hr	closed

As a user, I want the lines associated with the object to extend along with the object as long as I drag.	**Assigned to:** Rohith Varma Gaddam					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Create a list to store the start and end points of a line	0	2hrs	1hr	completed	completed
	When a drag action is performed update the	0	0	3hrs	3hrs	3hrs/ completed

list					
Integration	0	0	0	0	1hr
Testing	0	0	0	0	1hr

As a user, I want a menu with load and save options.	**Assigned to** :Ashwath Reddy Koppala				
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a Toolbar to the frame	0	1hr	closed	closed	closed
	Add a menu drop down to the toolbar	0	1hr	closed	closed	closed
	Add save and load	0	1hr	closed	closed	closed
	Integration	0	0	1hr	closed	closed
	Testing	0	0	1hr	closed	closed

As a user, I want the system to save the progress in a file at the desired location so that I can	**Assigned to** :Ashwath Reddy Koppala				
		Day 1	Day 2	Day 3	Day 4	Day 5
	Save the shape objects created in a list	0	2hr	closed	closed	closed
	Save the line coordinates in a list	0	0	2hr	closed	closed

access it later.	Serialize the two lists and write it in a .ser file	0	0	0	1hr	closed
	Integration	0	0	0	1hr	closed
	Testing	0	0	0	0	1hr

As a user, I want to load the file so that I can view and edit it.	**Assigned to :** Snehith Karna					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Deserialize the list objects the .ser file	0	0	0	3 hr	closed
	Add the shape objects present in the list to the right.	0	0	0	2 hr	2hr / closed
	Use the line coordinates from the other list and repaint the lines	0	0	0	1 hr	3hr / closed
	Integration	0	0	0	0	1hr
	Testing	0	0	0	0	1hr

DAILY STANDUP'S

Day 1:

Snehith : Started working on the dot coordinates at the center of the circle.

Pradeep: Started working on the placement of dots in a triangle.

Ashwath:Research on how to add toolbar and button on the toolbar to the frame.

Nikitha : Started working on the design of vertical bars in a square

Rohith Varma: Researched on java graphics .

Day 2:

Snehith: Done with the dot at the center of the circle.

Pradeep: Done with three dots each at three vertices of the triangle.

Ashwath:Added a toolbar with menu button containing save and load and saved the objects created in a list.

Nikitha: Worked with drawing multiple lines from the vertical bars in a square.

Rohith Varma: Brainstormed on data structure to store line coordinates for shape objects.

Day 3

Snehith: Done with the integration testing on the dot in the circle functionality And Brainstorming on the serializing and deserializing the object files .

Pradeep: Working with drawing a line from the points in a triangle

Ashwath: created a list to store the starting and ending points of each line and integrated the save buttons to the menu drop down.

Nikitha: Added mouse action listener to the vertical bars when clicked.

Rohith Varma: Working on how to extend the line from a dot of one shape to a dot of another shape along with the object.

Day 4:

Snehith: Started working on the load functionality.

Pradeep: Done with drawing each line from the three points at every corner of the triangle.

Ashwath:Serialized the two lists and stored them in a .ser file and integrated it with the save button.

Nikitha : Involved in testing of the functions that were done till then.

Rohith Varma: Working on how to extend the line from a dot of one shape to a dot of another shape along with the object.

Day 5 :

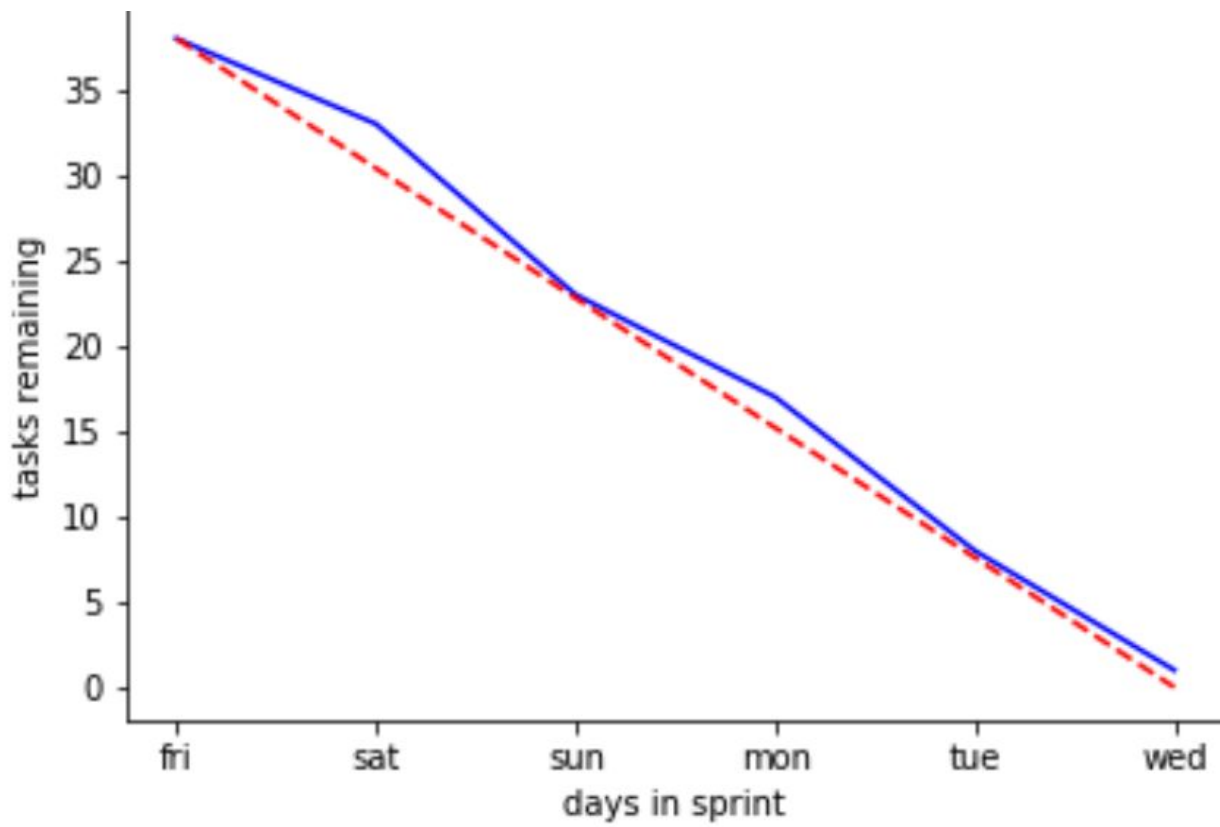Snehith: Done working with the Load functionality and also Integrated testing.

Pradeep: Worked on integration and testing of the dots in the triangle functionality

Ashwath: Working with

Nikitha : Involved in integration and testing of the final product we were able to develop.

Rohith Varma: .Tested all the properties of drawing lines after adding dragging functionalities..

Burndown Chart:

- At the Burndown line didn't coincide with the optimal line because one of the task was not closed.