

Team 4

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Nikitha Chilivery
Sree Pradeep Kumar Relangi

Sprint Review

Playground is created where the Connection between the shapes are drawn and also added compilation functionality along with save, load and newspace functionalities.

Description:-All the seven given shapes were added in the left panel, Input and Output ports (Squares) were added such that exactly one line is allowed to be drawn. Input and Output bars allowing multiple lines are added to the sixth shape. A playground is created, such that all of these shapes could be added. A menu bar with Save, Load, Compile and New Space options is done.

Things failed to achieve :

- We are unable to complete the compilation task properly as we are unable to check the loop validity for '@' shape, '<' '>' IF statements and also for '||' OR conditions.
- We are unable to fix a glitch i.e, If we draw a line after the shape is disturbed from its place, the line doesn't extend along with the object.

Sprint Retrospective

What went well :

1. We were able to add squares in the respective boxes and bars in the 6th shape .
2. We have added a dialog box to the 7th shape so that we can store a string value in it.
3. We were able to draw lines from each square.
4. We were able to associate the lines with the object to extend along with the object as long as we drag.
5. We were able to store the shape objects and lines in lists and serialize them so that we can save our progress in a particular tab.
6. We were able to deserialize the .ser file so that we can draw them back to the canvas in the particular tab.
7. We have added newspace button in the menu to create a new tab.

What went wrong :

1. We are unable to complete the compilation task properly as we are unable to check the loop validity for '@' shape, '<' '>' IF statements and also for '||' OR conditions.
2. We are unable to fix a glitch i.e, If we draw a line after the shape is disturbed from its place, the line doesn't extend along with the object.

What can be improved :

1. Association of lines can be improved so that there will not be any breaks in the line even after the shape is disturbed.
2. Compilation can be made more precise by checking loop validities and by adding more conditions.

TASK BOARD

As a user ,I want a frame with two panels so that I can access the application.	Assigned to: Nikitha Chilivery					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a Frame	30 mins	closed	closed	closed	closed
	Add two panels to left and right of the frame	30 mins	closed	closed	closed	closed
	testing	1 hr	closed	closed	closed	closed
	Integratio n	30 mins	closed	closed	closed	closed

As a user, I want a panel to the right-side of the frame so that I can add the selected shapes from the left panel.	Assigned to: Nikitha Chilivery					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a panel to the right of the frame	1 hr	closed	closed	closed	closed
	Add a method to draw the shapes clicked in the right panel	1 hr	1hr	closed	closed	closed
	Integration	0	0	1hr	closed	closed
	Testing	0	0	30 mins	closed	closed

As a user, I want a rectangular shape containing a “(“ square on the right for output port and left parenthesis on the left panel so that I can select it.	Assigned to: Rohith Varma Gaddam					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a rectangular shaped button with “(“ on it	30 mins	closed	closed	closed	closed
	Draw a square on the right for output port	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing a “)” square on the left for input port and right parenthesis on the left panel so that I can select it.	Assigned to: Snehith Kishore Reddy Karna					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a rectangular shaped button with “)” on it	30 mins	closed	closed	closed	closed
	Draw a square on the left for output port	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing a square on the left for input port , two squares on the right for output port and < on the left panel so that I can select it.	Assigned to:Ashwath Reddy Koppala					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a rectangular shaped button with “<“ on it	30 mins	closed	closed	closed	closed
	Draw a square on the left for input port , two squares on the right for output	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing two squares on the left for input port , a square on the right for output port and > on the left panel so that I can select it.	Assigned to: Sree Pradeep Kumar Relangi					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a button rectangular shaped with “>” on it	30 mins	closed	closed	closed	closed
	Draw two squares on the left for input port , a square on the right for output	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing rectangular shape with square on the left for input port , two squares on the right for output port and @ on the left panel so that I can select it.	Assigned to: Nikitha Chiliverry					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a button rectangular shaped with “@” on it	30 mins	closed	closed	closed	closed
	Draw square on the left for input port , two squares on the right for output port	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing vertical bars on the left , right and a “ ” in the middle on the left panel so that I can select it.	Assigned to:Rohith Varma Gaddam					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a button rectangular shaped with “ on it	30 mins	closed	closed	closed	closed
	Draw a vertical bar on the left for input port , a vertical bar on the right for output	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want a rectangular shape containing a square on the left for input port , a square on the right for output port and a “-” on the left panel so that I can select it	Assigned to:Ashwath Reddy Koppala					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a button rectangular shaped with “-” on it	30 mins	closed	closed	closed	closed
	Draw square on the left for input port and a square on the right for output port	30 mins	closed	closed	closed	closed
	Testing	30 mins	closed	closed	closed	closed
	Integration	30 mins	closed	closed	closed	closed

As a user, I want to drag the figures in the right panel with the mouse pointer .	Assigned to: Rohith Varma Gaddam					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a method to drag and drop the shapes in the right panel	0 hr	1hr	1hr	closed	closed
	Testing	0 hr	0 hr	1hr	closed	closed
	Integration	0 hr	0 hr	1hr	closed	closed
As a user, I want a pop up to appear for the rectangular box containing “-” so that i can assign a String to that box.	Assigned to: Snehith Kishore Reddy					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add a pop up to appear when the rectangular box containing “-” is clicked.	0 hr	1 hr	closed	closed	closed
	Add a text field to the popup to take input a string.	0 hr	1 hr	closed	closed	closed

	Testing	0 hr	1 hr	closed	closed	closed
	Integration	0 hr	30 mins	closed	closed	closed
<p>As a user, I want to draw only one line from a square of one shape to the square of another shape.</p>	Assigned to : Sree Pradeep Kumar					
		Day 1	Day 2	Day 3	Day 4	Day 5
	Add mouse action listener to the square when clicked.	0 hr	0 hr	2 hrs	closed	closed
	Add a line between the coordinates of when two squares are clicked	0 hr	0 hr	0 hr	3 hrs	closed
	Limit the number of lines which could be drawn from a square	0 hr	0 hr	0hr	1hr	4hr / closed

	Integration	0 hr	0 hr	0 hr	1 hr	closed
	Testing	0 hr	0 hr	0 hr	1 hr	closed
As a user, I want to draw multiple lines from verticle bars in the sixth shape	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 shapes	0 hr	0 hr	2 hrs	closed	closed
	Add a line between the coordinates of when two coordinates are clicked	0 hr	0 hr	0 hr	3 hrs	closed
	Integration	0 hr	0 hr	0 hr	1 hr	closed
	Testing	0 hr	0 hr	0 hr	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 hr	2hrs	1hr	completed	completed
	When a drag action is performed update the list	0 hr	0 hr	3hrs	3hrs	3hrs/ completed
	Integration	0hr	0 hr	0 hr	0 hr	1hr
	Testing	0hr	0 hr	0 hr	0 hr	1hr

As a user, I want a menu with load ,save ,compile and new space options.	Assigned to :Ashwath Reddy Koppala					
		Day 6	Day 7	Day 8	Day 9	Day 10
	Add a Toolbar to the frame	0hr	1hr	close d	close d	close d

	Add a menu drop down to the toolbar	0hr	1hr	close d	close d	close d
	Add oad ,save ,compile and new space options.	0hr	1hr	close d	close d	close d
	Integration	0hr	0hr	1hr	close d	close d

	<table><tr><td>Testing</td><td>0hr</td><td>0hr</td><td>1hr</td><td>close d</td><td>close d</td></tr></table>	Testing	0hr	0hr	1hr	close d	close d																														
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As a user, I want the system to save the progress in a file at the desired location so that I can access it later.	<div>Assigned to :Ashwath Reddy Koppala</div> <table><tr><td></td><td>Day 6</td><td>Day 7</td><td>Day 8</td><td>Day 9</td><td>Day 10</td></tr><tr><td>Save the shape objects created in a list</td><td>2 hr</td><td>1 hr</td><td>closed</td><td>closed</td><td>closed</td></tr><tr><td>Save the line coordinates in a list</td><td>0 hr</td><td>1 hr</td><td>closed</td><td>closed</td><td>closed</td></tr><tr><td>Serialize the two lists and write it in a .ser file</td><td>0 hr</td><td>0 hr</td><td>2 hr</td><td>2 hr</td><td>closed</td></tr><tr><td>Integration</td><td>0 hr</td><td>0 hr</td><td>0 hr</td><td>0 hr</td><td>1 hr/closed</td></tr><tr><td>Testing</td><td>0 hr</td><td>0 hr</td><td>0 hr</td><td>0 hr</td><td>1 hr/closed</td></tr></table>		Day 6	Day 7	Day 8	Day 9	Day 10	Save the shape objects created in a list	2 hr	1 hr	closed	closed	closed	Save the line coordinates in a list	0 hr	1 hr	closed	closed	closed	Serialize the two lists and write it in a .ser file	0 hr	0 hr	2 hr	2 hr	closed	Integration	0 hr	0 hr	0 hr	0 hr	1 hr/closed	Testing	0 hr	0 hr	0 hr	0 hr	1 hr/closed
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Integration	0 hr	0 hr	0 hr	0 hr	1 hr/closed																																
Testing	0 hr	0 hr	0 hr	0 hr	1 hr/closed																																

As a user, I want to load the file so that I can view and edit it.	Assigned to : Snehith Karna					
		Day 6	Day 7	Day 8	Day 9	Day 10
	Deserialize the list objects the .ser file	2 hrs	1 hr	closed	closed	closed
	Add the shape objects present in the list to the right.	0 hr	1 hr	2 hr	closed	closed
	Use the line coordinates from the other list and repaint the lines	0 hr	0 hr	0 hr	2 hr	closed
	Integration	0 hr	0 hr	0 hr	0 hr	1 hr/closed
	Testing	0 hr	0 hr	0 hr	0 hr	1 hr/closed
As a user, I want to add a new space to	Assigned to : Rohith Varma Gaddam					
		Day 6	Day 7	Day 8	Day 9	Day 10
	Add a method to duplicat	2 hr	1 hr/closed	closed	closed	closed

the right panel so that I can implement different versions of the code .	e the right panel when new space is clicked					
	Testing	0 hr	0 hr	1 hr/closed	closed	closed
	Integration	0 hr	0 hr	1 hr/closed	closed	closed
Add compile feature so that I can verify if the syntax of input is valid	Assigned To: Sree Pradeep Kumar Relangi					
		Day 6	Day 7	Day 8	Day 9	Day 10
	Check for a rectangle containing”)” if rectangle containing “(“ is present	0 hr	2 hrs	2 hrs	1 hr/closed	closed
	Check for a rectangle containing”>” if rectangle containing “<” is present . Also verify if a statement is present in the middle.	0 hr	0 hr	3 hr	1 hr	open
	Check for a	0 hr	0 hr	2 hrs	2 hrs	open

	presence of cycle from output ports to input ports for a rectangle containing "@"					
	Check if all the input and output ports are connected	0 hr	0 hr	1 hr	1 hr	closed
	Check whether the connections are from input to output ports	0 hr	0 hr	1 hr	1 hr	closed
	Testing	0 hr	0 hr	0 hr	0 hr	open
	Integration	0 hr	0 hr	0 hr	0 hr	open

DAILY STANDUP'S

Day 1:

Snehith : Started working on the squares coordinates in the shapes.

Pradeep: Started working on the button containing >.

Ashwath: Started working on rectangular buttons containing "<" and "-" and integrated them.

Nikitha : Added the frame.

Rohith Varma: Researched on java graphics .

Day 2:

Snehith: Done with adding squares in the shapes.

Pradeep: Done with the > button along with the input and output ports.

Ashwath: Done with adding rectangular buttons containing "<" and "-" and integrated them.

Nikitha: Done with adding left and right panels to the frame.

Rohith Varma: Added '(' button and ']' button to the left panel.

Day 3

Snehith: Done with the integration testing on the squares in the shapes.

Pradeep: Working with drawing a line from the squares in the buttons.

Ashwath: Brainstorming on data structure to save as a .ser file

Nikitha: Done with adding the method to draw the shapes clicked in the right panel

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

Day 4:

Snehith: Done with the drawing shapes 5,6,7 and also started working on the dialog box.

Pradeep: Done with drawing each line from the squares when clicked and started limiting the number of lines drawn.

Ashwath: Researched on adding a panel to the frame to add menu button.

Nikitha : Started working with adding a button rectangular shaped with “@” on it

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

Day 5 :

Snehith: Done with the dialog box for the shape 7.

Pradeep: Done with limiting the number of lines. And worked on integration and testing

Ashwath: Started working on adding menu button and dropdown containing options.

Nikitha : Involved in drawing a square on the left for input port , two squares on the right for output port

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

Day 6:

Snehith : Displaying the dialog and integrated testing on shape 7 and also stated working on loading.

Pradeep: Rechecked the integration of functionalities done till date.

Ashwath:added a menu button with options.

Nikitha : Done with the insertion of @ rectangular button with the input and output ports.

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

Day 7:

Snehith: Brainstorming on the serializing and deserializing the object files .

Pradeep: Started working on the compile functionality.

Ashwath:Started working on saving the progress into .ser file.

Nikitha: Done with adding a mouse action listener when clicked on the bar within the shapes.

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

Day 8:

Snehith: Started working on the load functionality.

Pradeep: Working on the compile functionality of handling '<' '>' '(' ')'.

Ashwath: Added shape objects to the list to save them.

Nikitha: Working on adding a line between the coordinates of when two coordinates are clicked

Rohith Varma: Working on adding new spaces whenever the button was clicked

Day 9:

Snehith: Done working with the Load functionality.

Pradeep: Continued working on the compile functionality .

Ashwath:Added the starting and ending coordinates of a line to a list to save them.

Nikitha : Involved in checking the cycle for @ shape.

Rohith Varma: completed adding new spaces.

Day 10 :

Snehith:Worked on integration and testing on the load functionality.

Pradeep: completed handling '(' ')', connections, Testing and integration

Ashwath: Worked on integration and testing of saving feature.

Nikitha : Involved in testing the functionalities that were almost done till then.

Rohith Varma: Tested the new spaces.