

Product Backlog Item	Tasks	Assigned To	02-15 (Hours)	02-16 (Hours)	02-17 (Hours)	02-18 (Hours)	02-19 (Hours)	02-20 (Hours)
<u>Research on Mouse Listener</u>	1. Learn how mouse listener work for swing to create array list of pointers	Kunal Sharma	2	0				
	2. Create a sample prototype to check it		1	0				
	3. Test prototype		0.5	0				
<u>Setting Up Development Environment</u>	1. Configure dependencies for java	Suryadeep	0.5	0				
	2. Add java swing packages.		0.5	0				
	3. Test Development environment		0.5	0				
<u>Setting Up Testing Environment</u>	1. Install Java	Abhinaw Sarang	0.5	0				
	2. Install Eclipse		0.5	0				
	3. Plugin Junit with Eclipse		0.5	0				
	4. Test Environment with sample run		0.5	0				
<u>Dot at the center of the Circle.</u>	1. Method to create a circle in the centre of a circle	Rohit Singh	0	1				
	2. Write exception handling for the method which creates dot at the centre of a circle		0	0.5				
	3. Adding header comments and code formatting		0	0.5				
	4. Write unit test to test the centre drawing function		0	0.5				
<u>Three dots in the triangle.</u>	Code to create dots	Abhinaw Sarang	0	1				
	Code to store dots location		0	0.5				
	Unit testing		0	1				
	Exception handling			0.25				
	Code commenting			0.25				
<u>Two bars in Square</u>	Development for creating bars in square	Sarvansh	0	0.5				
	Fix location of bars in square in drawing board		0	0.5				
	Integrate Exception Handling For Square(Try Catch Block)		0	0.5				
	Unit Testing square		0	0.5				
<u>Dot to dot connection</u>	Write a function to create line between two given coordinates in the drawing board	Kunal Sharma	0	1.5				
	Write exception handling code for drawing line method.		0	5				

	Unit testing		0	1				
	Implement commenting for better understanding and readability		0	0.5				
<u>Dot to bar connection</u>	Code to get dot and line location	Suryadeep	0	0.5				
	Code to create line from dot to bar		0	1.5				
	Unit Testing		0	0.5				
	Code for exception handling		0	25				
	Code Commenting			0.25				
<u>Bar bar connection</u>	Make a connecting line between squares	Sarvansh	0	0	1			
	Fix the drawing functionality of line with bar from one square to another		0	0	1			
	Put Exception handling on Bar to Bar connection		0	0	0.25			
	Give header comments on files worked on		0	0	0.25			
<u>Multiple connections to a bar</u>	Module to allow multiple connection from bars	Sarvansh	0	0	0	1		
	Implement Exception handling		0	0	0	0.5		
	Implement unit testing		0	0	0	0.5		
<u>Single connection to a dot</u>	Write a validation function to check if a line is connected to the point	Rohit Singh	0	0	0	1		
	Write a function to connect the lines when the validation passed		0	0	0	0.5		
	Code formatting		0	0	0	0.5		
	Unit testing for drawing only single line between two points		0	0	0	0.5		
<u>No inside connections in shape</u>	Module to check if connection is inside the shape	Suryadeep	0	0	0	1		
	Implementing exception handling		0	0	0	0.5		
	Implement Unit testing		0	0	0	0.5		
<u>Moving lines with shape</u>	Implement module to move the lines along with shape movement	Abhinaw Sarang	0	0	0	2		
	Implement Exception handling		0	0	0	1		
	Implement Unit testing		0	0	0	1		
<u>Shape Movement Testing</u>	Shape Movement Testing	Sarvansh	0	0	0	0	1	
	Test if lines connected to shapes are moving		0	0	0	0	1	

<u>Research on File System Swing</u>	Learn about file chooser and menu to select file for save and load	Kunal Sharma	0	0	1	0	0	
	Learn how to save array list in a file at desired location		0	0	1	0	0	
	Create a proto type		0	0	1	0	0	
	Test proto type for any bugs		0	0	0.5	0	0	
<u>Menu option :- Save.</u>	Add save button in menu bar	Kunal Sharma	0	0	0	0.5	0	
	Exception handling in try catch block		0	0	0	0.5	0	
	Add comments in header section for menu option		0	0	0	0.5	0	
<u>Save File</u>	Implement save file functionality	Kunal Sharma	0	0	0	0	2	
	Save the points of all the shapes in external file		0	0	0	0	0.5	
	Exception handling in try catch block		0	0	0	0	1	
	Add comments in header section for menu option		0	0	0	0	0.5	
<u>Menu option :- Open</u>	Implement open file functionality in menu	Abhinaw Sarang	0	0	0	0	0.5	
	Test functionalities for menu option		0	0	0	0	0.5	
	Comments in header section		0	0	0	0	0.5	
	Add try catch block in menu option		0	0	0	0	0.5	
<u>Load File</u>	Get the points from external file	Suryadeep	0	0	0	0	1	
	Use points from loaded file and draw the shape		0	0	0	0	2	
	Exception handling in try catch block		0	0	0	0	1	
<u>System Wrapper</u>	Integrate Exception Handling For Square(Try Catch Block)	Abhinaw Sarang	0	0	0	0	1	
	Comments in header section		0	0	0	0	0.5	
	Establish connection between menu functionalities and shapes		0	0	0	0	1	
<u>Integrate file saving</u>	Write a function to save List of points objects in File	Kunal Sharma	0	0	0	0	2	
	Unit Testing to check if the save function is working		0	0	0	0	1	
<u>Integrate file loading</u>	Write a function which loads Points object from File.	Suryadeep	0	0	0	0	0	1
	Write exception handling code to capture FileNotFoundException, ClassNotFoundException Exception		0	0	0	0	0	1
	Code formatting		0	0	0	0	0	0.5

	Unit testing to check if the file loading function is working		0	0	0	0	0	0.5
<u>Integrate testing</u>	Integration testing for load functionality	Rohit Singh	0	0	0	0	0	1
	Integration testing for save file functionality		0	0	0	0	0	1