**Sprint backlog**

# Sprint Planning

Estimate initial velocity : 50

### Selected User Stories:

1. [Focus a shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ksv4uv) 3
2. [Menu of available operations on a shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.44sinio) 1
3. [Moving an already inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2jxsxqh) 7
4. [Changing internal color of an inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.z337ya) 3
5. [Changing contour color of an inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3j2qqm3) 3
6. [Resizing an already inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1y810tw) 7
7. [Cut Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.4i7ojhp) 3
8. [Copy Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2xcytpi) 3
9. [Paste Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ci93xb) 3
10. [Undo Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3whwml4) 7
11. List of inserted shapes 7
12. Defocus a shape 3

# Development

### Tasks that has been assigned to team’s member:

|  | Vincenzo Campagnano | Marta Corcione | Francesco D’Onofrio | Paolo Franco |
| --- | --- | --- | --- | --- |
| Assigned and completed tasks | 22 - Develop CopyAction class  22 - Update the GUI adding the Copy menu item in the Context Menu of the table view  23 - Develop PasteAction class  27 - Add in the right-side of the window a section containing a table view  27 - Update WindowController in order to update the content of the table view on the right-side of the window with the shapes that has been inserted inside the drawing window  D2 - Update the save method of the FileIO class  D3- Update the load method of the FileIO class | 15 - Add to the ShapeInterface interface the setFocus method  15 - Develop onMouseClicked method on the table view on the right-side    15 - Update the drawingWindowOnMousePressed method of the WindowController class  16 - Add to GUI a Context Menu for the table view on the right-side  16 - Handle the Context Menu in WindowController in order to show the available operation on the specific selected shape  18 - Develop internalColorPickerOnAction method of WindowController class  18 - Develop the ChangeInternalColorAction class  19 - Develop contourColorPickerOnAction method of WindowController class  19 - Develop the ChangeContourColorAction class  46 - Update the ChangeListener added to the state releted to the selected shape  46 - Update the onMouseClicked method on the table view on the right-side of the window | 20 - Develop ResizeAction class  20 - Update the GUI adding the Resize menu item in the Context Menu of the table view  D1 - Update DrawAction  D1 - Update Invoker interface  D1 - Update the FileIO class  D1 - Update the ShapeInterface interface and the class that implements this interface  D1 - Update the WindowController Class  D4 - Develop a ShapeAbstract abstract class from whom CloseContourShape and OpenContourShape inherit  B2 - Update the GUI | 15 - Add a state in the controller releted to the selected shape by the user  15 - Add and develop a ChangeListner to the state related to the selected shape  17 - Add to the ShapeInterface interface the move method  17 - Develop the MoveAction class  17 - Update the GUI adding the Move menu item in the Context Menu of the table view  22 - Develop Clipboard class  B1 - Update the GUI |
| Assigned but not completed tasks | 21 - Develop CutAction class | 24 - Develop undo method of ChangeContourColorAction class | 24 - Develop undo method of CutAction class | 24 - Develop undo method of Invoker class |
| Not assigned tasks | 21 - Update the GUI adding the Cut menu item in the Context Menu of the table view  24 - Develop undo method of DrawAction class  24 - Develop undo method of PasteAction class  24 - Develop undo method of ResizeAction class  24 - Develop undo method of ChangeShapeColorAction class  24 - Develop undo method of MoveAction class | | | |

### User stories added by the Product Owner in this Sprint:

47 - Grid

* + This user story has been added because initially the team had marged the will of the user to have a grid and the possibility to set or unset the visibility of it.

### 48 - Paste menu

* + When a shape has been copied or cut and I right click on the drawing,  
    then I want a contextual menu to appear, so that I can paste that shape.

# Sprint Review

**Story point completed :** 40

### Completed user stories at the end of the second Sprint:

1. - [Focus a shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ksv4uv)
2. - [Menu of available operations on a shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.44sinio)
3. - [Moving an already inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2jxsxqh)
4. - [Changing internal color of an inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.z337ya)
5. - [Changing contour color of an inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3j2qqm3)
6. - [Resizing an already inserted shape](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1y810tw)
7. - [Copy Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2xcytpi)
8. - [Paste Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ci93xb)
9. - List of inserted shapes
10. - Defocus a shape

**Uncompleted user stories at the end of the second Sprint:**

1. [Undo Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3whwml4)
2. [Cut Operation](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.4i7ojhp)

**User stories refused by the Product Owner: -**

**Technical Debts found:**

* D1 - Fix the technical debt related to the possibility of obtaining a ShapeInterface object by clicking the drawing window.
  + Clicking on the drawing window it wasn’t possible to retrieve an object of the ShapeInterface interface, which was required for implementing the other actions like the MoveAction or the ResizeAction.

**Bug found:**

* B3 - Void color
  + After that a line has been selected and we try to draw a close contour shape, its internal color will be set to void.
* B4 - Focus over insertion
  + If a shape in the drawing it’s being selected and the button to insert a new shape is pressed, then the previously selected shape doesn't lose focus.

### B5 - Focus saved on file

* + If a shape in the drawing is selected and a Save is performed then the focus on that shape is saved together with the drawing.

# Sprint Retrospective

The decisions made in the second Sprint retrospective are:

Stop:

* Doing several task without commit

Less of :

* Developing features without noticing the other members

Keep doing:

* Fetch and commit often on github, keeping a personal branch to develop new features.
* Asking other team members opinion and suggestions about the implementation of a task.

More of:

* Update often Trello.

Start:

* -