**Sprint review**

### 

**Story point planned :** 50

**Story point completed :** 40

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

* 15 - [Focus a shape (3 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ksv4uv)
* 16 - [Menu of available operations on a shape (3 – User Interface)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.44sinio)
* 17 - [Moving an already inserted shape (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2jxsxqh)
* [18 - Changing internal color of an inserted shape (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.z337ya)
* 19 - Ch[anging contour color of an inserted shape (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3j2qqm3)
* 20 - [Resizing an already inserted shape (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1y810tw)
* 22 - [Copy Operation (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.2xcytpi)
* 23 - [Paste Operation (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.1ci93xb)
* 27 - List of inserted shapes  [(3 – User Interface)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3as4poj)
* 46 - Defocus a shape [(3 - Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.4goxq498bwhj)

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

* 24 - [Undo Operation (4 – Functional)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.3whwml4)
* 21 - [Cut Operation (4 – Business Flow)](https://docs.google.com/document/d/13bM1OhyFiVBdkJY-Tx-fIQsGaU55rzri/edit#heading=h.4i7ojhp)

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

**Solved Technical Debts:**

* D4 - Fix the technical debt related to the CloseContourShape and OpenContourShape classes.
* D1 - Fix the technical debt related to the possibility of obtaining a ShapeInterface object by clicking the drawing window.
* D2 - Fix the technical debt of the save feature implementation so that it has a scalable solution
* D3 - Fix the technical debt of the load feature implementation so that it has a scalable solution.

**Solved bugs:**

* B1 - Fix the bug of the resizing of the window.
* B2 - Fix the bug related to the consecutive clicking the shape creation buttons.

**Estimated initial Project Velocity :** 41

**Measured Project Velocity :** 40

**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.

**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.