Product Backlog

USER EPIC 1 – BASIC OPERATION OF THE PROGRAM

| NAME | DESCRIPTION | PRIORITY | STORY POINTS |
| --- | --- | --- | --- |
| Create empty window | I want an empty window to be displayed when starting the program to be able to insert shapes. | 1 | 1 |
| Select shape position | I want to be able to use the mouse to decide the shape position in the window. | 2 | 1 |
| Line segment shape | I want to select the shape “line segment” to insert it in the drawing window. | 2 | 2 |
| Rectangle shape | I want to select the shape “rectangle” to insert it in the drawing window. | 2 | 3 |
| Ellipse shape | I want to select the shape “ellipse” to insert it in the drawing window. | 2 | 3 |
| Outline color | I want at least 8 different colors available to decide which one apply to the outline of the shape. | 3 | 2 |
| Filling color | I want to decide a color for closed outline shapes in order to apply it on the interior of the shape. | 3 | 2 |
| Save on file | I want to save the drawing on a file to be able to use it later. | 3 | 3 |
| Upload file | I want to load a previously drawing saved on file to modify it. | 3 | 3 |

USER EPIC 2 – SHAPE EDITING

| NAME | DESCRIPTION | PRIORITY | STORY POINTS |
| --- | --- | --- | --- |
| Delete shape | I want to be able to select, via mouse, an already inserted shape in order to delete it. | 4 | 3 |
| Move shape | I want to be able to select, via mouse, an already inserted shape in order to move it to another location. | 4 | 3 |
| Change shape color | I want to be able to select, via mouse, an already inserted shape in order to change its color. | 4 | 3 |
| Change shape dimension | I want to be able to select, via mouse, an already inserted shape in order to change its dimension. | 4 | 3 |
| Copy shape | I want to be able to copy a selected shape. | 4 | 3 |
| Cut shape | I want to be able to cut a selected shape. | 4 | 3 |
| Paste shape | I want to be able to paste a previously copied or cut shape to insert it in the drawing window. | 5 | 3 |
| Undo command | I want to keep memory of all the operations done to be able to undo them individually. | 4 | 8 |
| Overlapping shapes to the front | I want to set a shape onto an upper layer so I can view it entirely if it overlaps with other shapes. | 5 | 5 |
| Overlapping shapes to the back | I want to set a shape onto a lower layer so I can view it partially if it overlaps with other shapes. | 5 | 5 |

USER EPIC 3 – DISPLAY OF THE DRAWING

| NAME | DESCRIPTION | PRIORITY | STORY POINTS |
| --- | --- | --- | --- |
| Zoom levels | I want to be able to choose between at least 8 different zoom levels for the drawing window. | 6 | 5 |
| Scroll window | I want to be able to have the drawing area size larger than the window size in order to scroll along the drawing area. | 6 | 5 |
| Grid area | I want to be able to turn on or off a grid on the drawing area to place more easily the shapes. | 6 | 8 |
| Grid area dimension | I want to decide the dimension of the optional grid. | 7 | 3 |

USER EPIC 4 – MORE SHAPES AND EDITING OPERATIONS

| NAME | DESCRIPTION | PRIORITY | STORY POINTS |
| --- | --- | --- | --- |
| Arbitrary polygon shape | I want to select the shape “arbitrary polygon” to insert a nonstandard shape in the drawing window. | 8 | 5 |
| Text string shape | I want to be able to insert a text string as a shape so I can insert alphanumeric characters. | 8 | 2 |
| Text string character dimension | I want to be able to modify the characters dimension in the text string shape. | 9 | 2 |
| Rotate shape | I want to select a shape to be able to rotate it by an arbitrary angle. | 8 | 3 |
| Mirror shape | I want to select a shape to be able to overturn it, vertically or horizontally. | 8 | 3 |
| Stretch shape | I want to select a shape to be able to stretch it, vertically or horizontally. | 8 | 3 |

USER EPIC 5 – GROUPS AND SHAPE LIBRARIES

| NAME | DESCRIPTION | PRIORITY | STORY POINTS |
| --- | --- | --- | --- |
| Group shape | I want to select more shapes at once to be able to create a shape group that act as a single shape. | 10 | 13 |
| Ungroup shape | I want to modify the shape group to be able to divide the forms contained therein. | 11 | 8 |
| Shape creation command (SCC) | I want to have a command ("shape creation command") to save a new shape previously created into the available shape list, giving it a name. | 10 | 8 |
| Insert from SCC | I want to be able to select a special shape previously saved with the "shape creation command" to insert it in the drawing area. | 11 | 3 |
| Save SCC shapes | I want that all the shapes saved with the "shape creation command" must be saved in the drawing file for later use. | 11 | 3 |
| Export SCC shapes | I want that all the shapes saved with the "shape creation command" must be able to be exported in a shape library in order to use them on another machine. | 11 | 5 |
| Import SCC shapes | I want that all the shapes saved with the "shape creation command" must be able to be imported in order to use them in the current drawing area. | 11 | 5 |