Group 21: Paint

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Demo: https://www.youtube.com/watch?v=z-x1WGTwCzQ



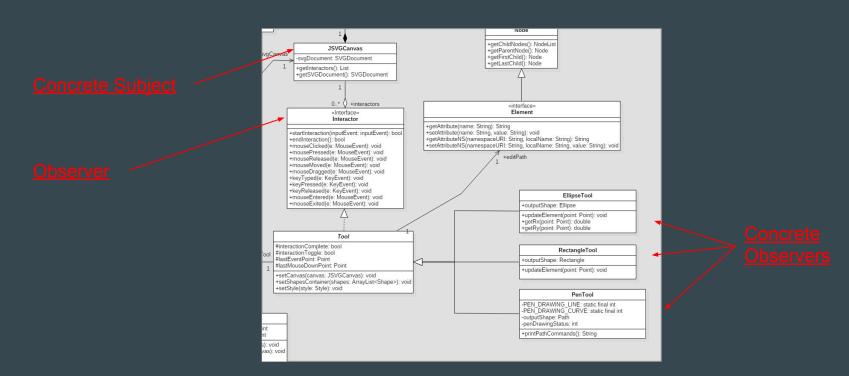
Design Pattern: Singleton

Paint

-paint: Paint

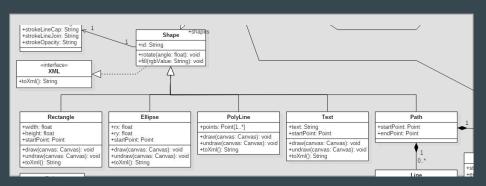
+getInstance(): Paint

Design Pattern: Observer



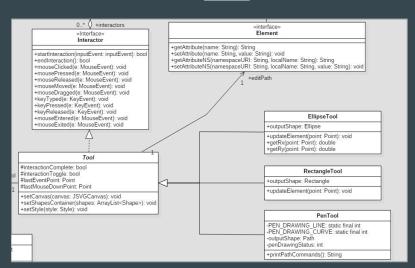
Design Pattern: Composite

Shapes



The Canvas only needs to deal with Shape. More shapes can be added without changing Canvas

Tools



Subjects in observer pattern only need to deal with Tool. Tool types can be added without changing subjects.

Final Class Diagram

