WEB-BASED PAINT APPLICATION USING ANGULAR & SPRING BOOT

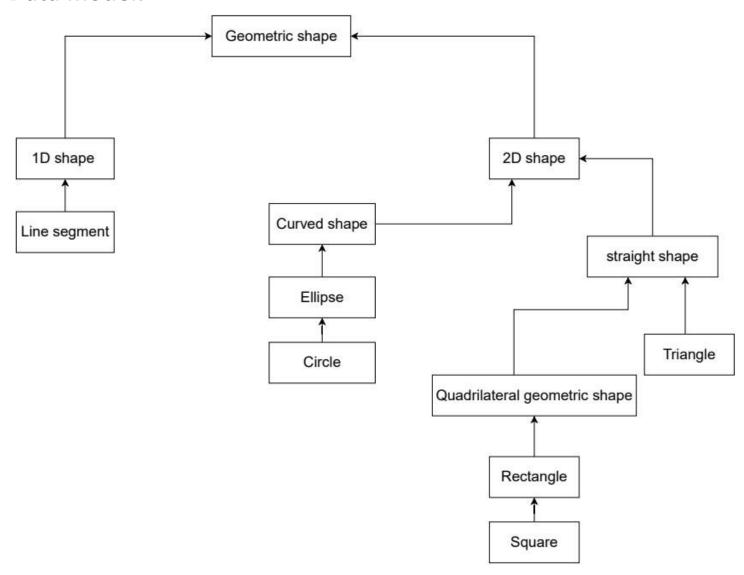
Name	ID
Ziad Reda Saad	19015717
Hassan Ahmed Hassan	20010486
Mohamed Adel Mahmoud	20011629
Youssef Emad Mohamed	20012281

How to Run:

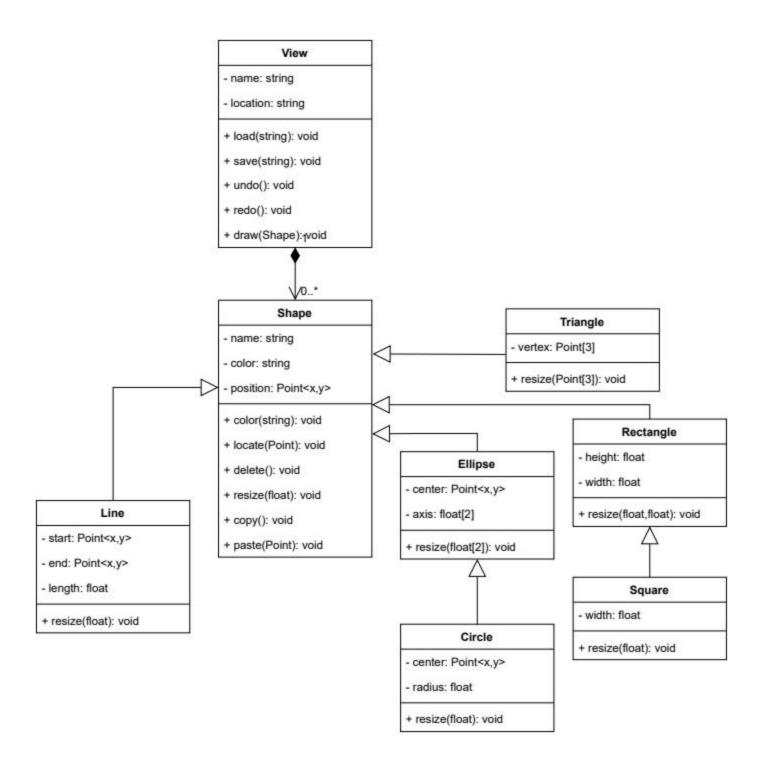
- Open Angular Folder and run command "npm install"
- Run the command "ng serve".
- Run Spring Boot Application using IntelliJ or any other IDE.
- Go to "localhost:4200" in your browser.

Class Diagram and Design pattern:

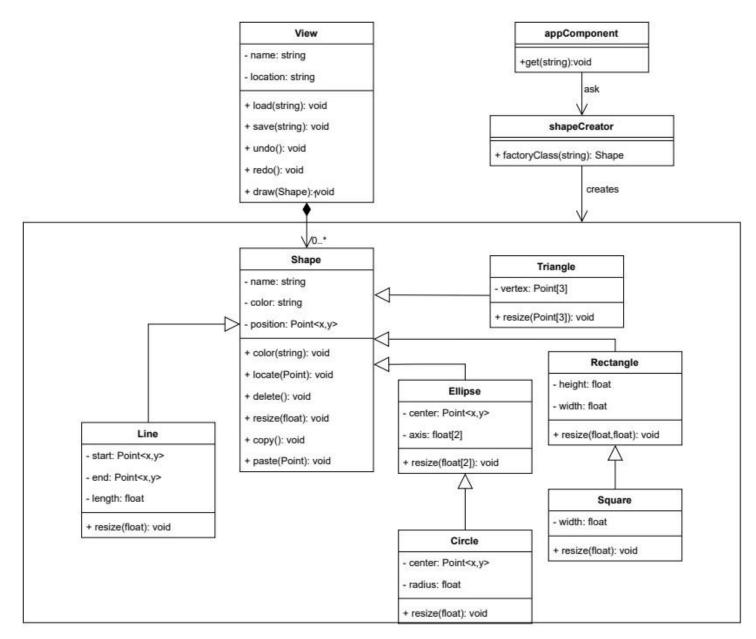
Data model:



Class diagram:



Factory DP:

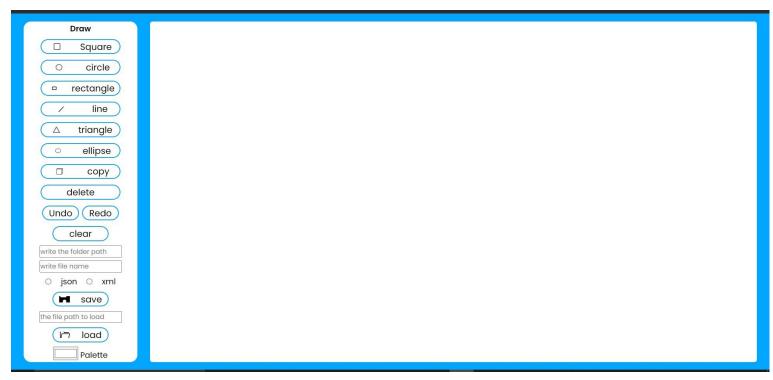


Design patterns:

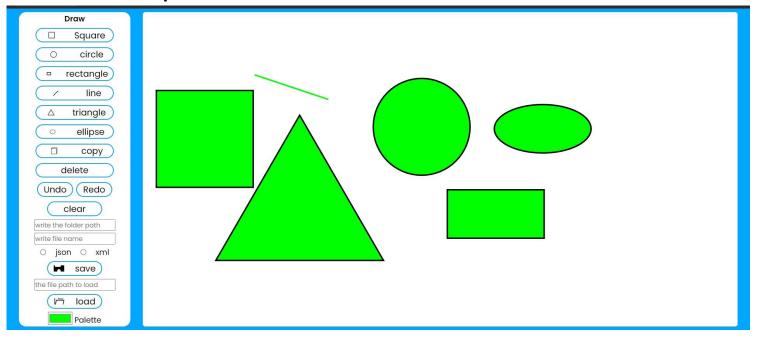
Factory

memento

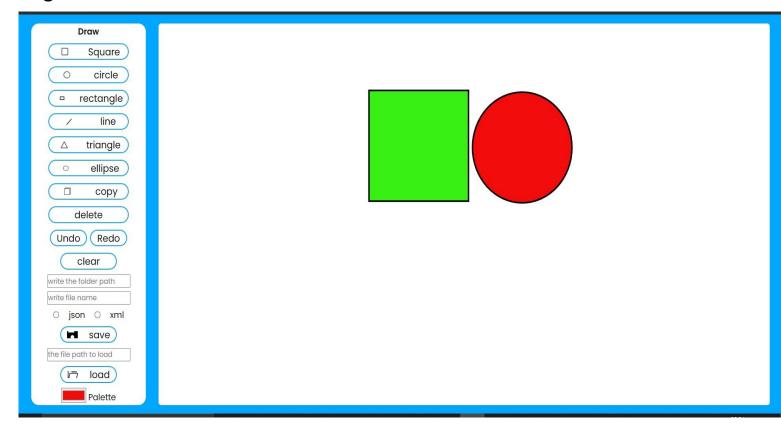
Sample Runs:



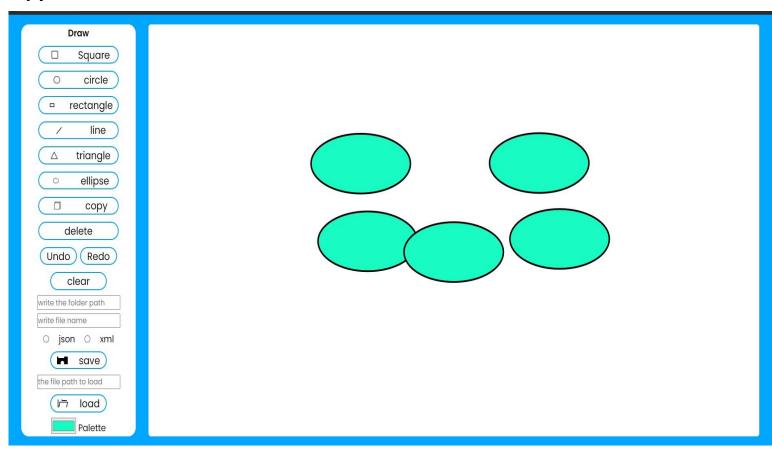
Add new shapes:



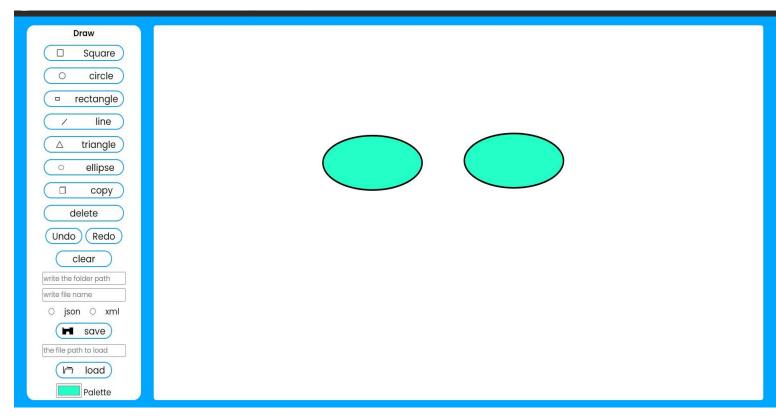
Drag and color:



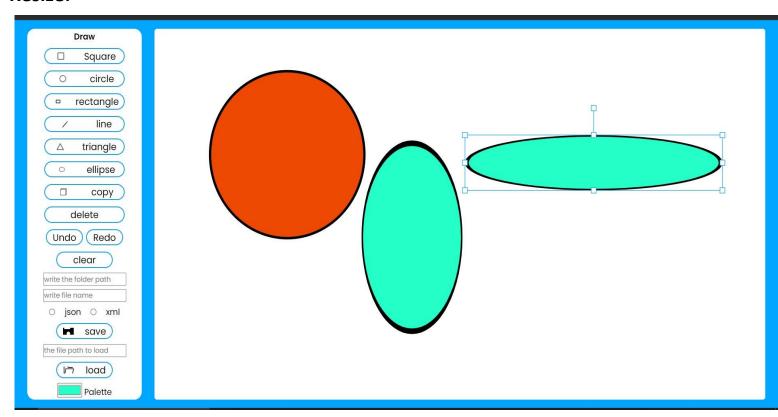
Copy:



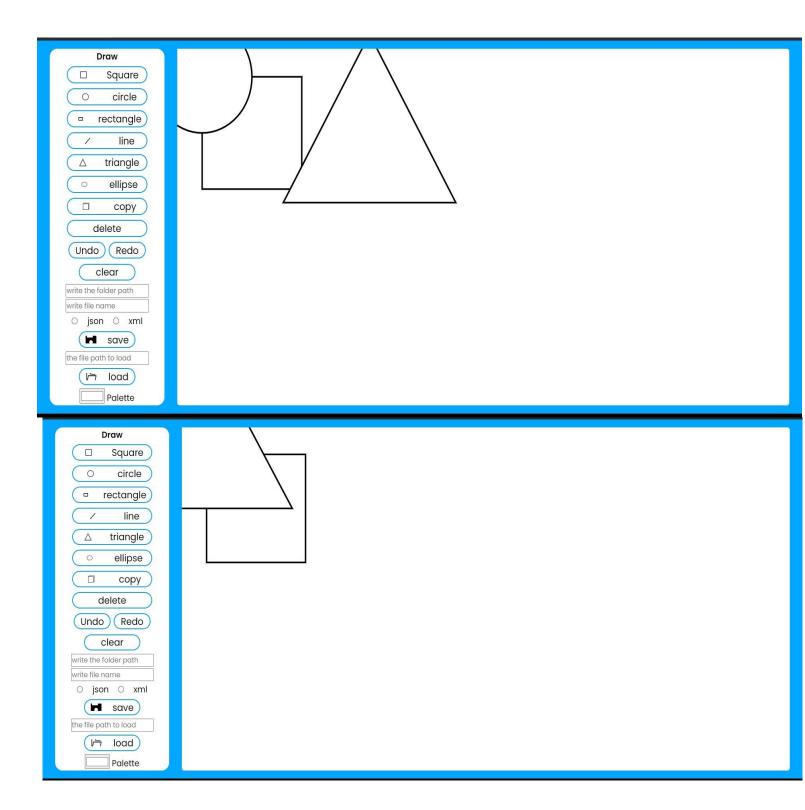
Delete:



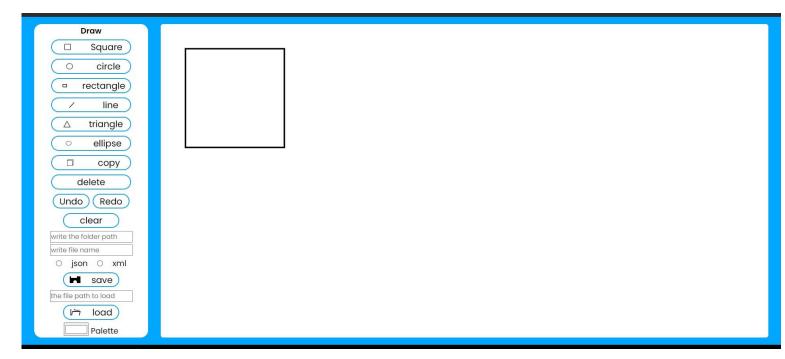
Resize:



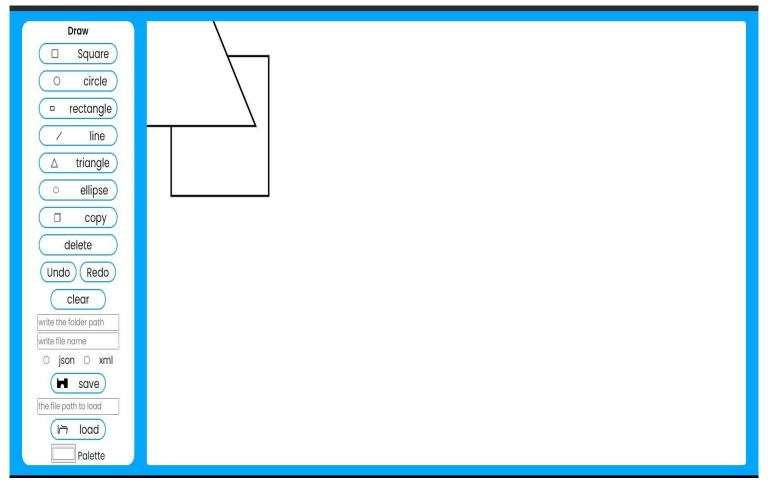
after undo 1:



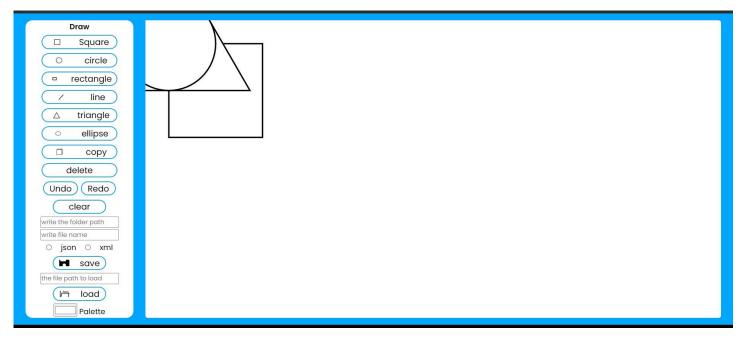
Undo again:



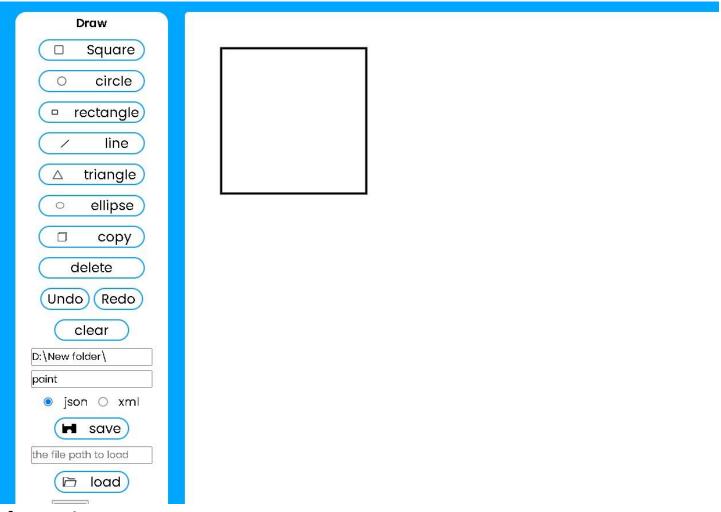
Redo:



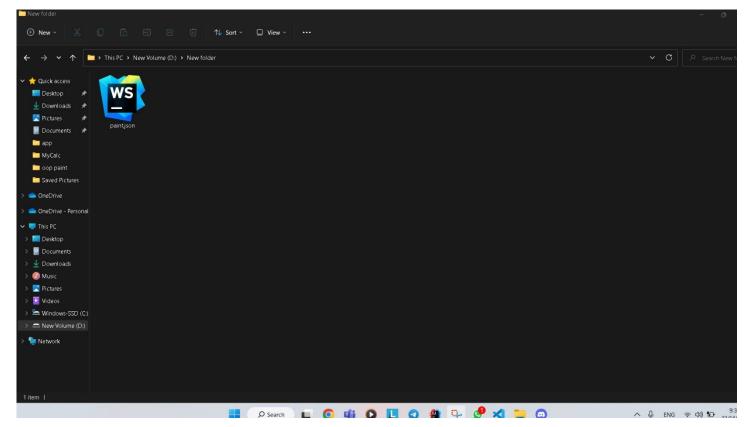
Redo again:



Save:



After saving:



Load:



After load:

