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MainApp Create and manage the main application window Launch 2D generator Handle sign in and sign up actions Launch the 2D or 3D drawing generators based on user input TwoGenerator ThreedGenerator

| TwoGenerator | |
|--|---|
| Create and manage the 2D drawing generator window Handle drawing options(line,rectangle,circle) Allow clearing the drawing | JFrameJButtonJComboBoxJColorChooserDrawingPanel |

| DrawingPanel | |
|---|---|
| Draw 2D shapes(line, rectangle, circle) based on user input Allow choosing shape type and color Clear the drawing | List<shape></shape>JPanelGrphicsMouseAdapter |

https://echeung.me/crcmaker/

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ThreeDGenerator

- Create and manage the 3D drawing panel with a rotating shape
- Allow users to view different 3D shapes(cube, cuboid, sphere, cylinder)
- JPanel
- SimpleUniverse
- Canvas3D
- BranchGroup
- TransformGroup
- Transform3D
- RotationInterpolator
- Alpha
- BoundingSphere
- ColorCube
- Box
- Sphere
- Cylinder