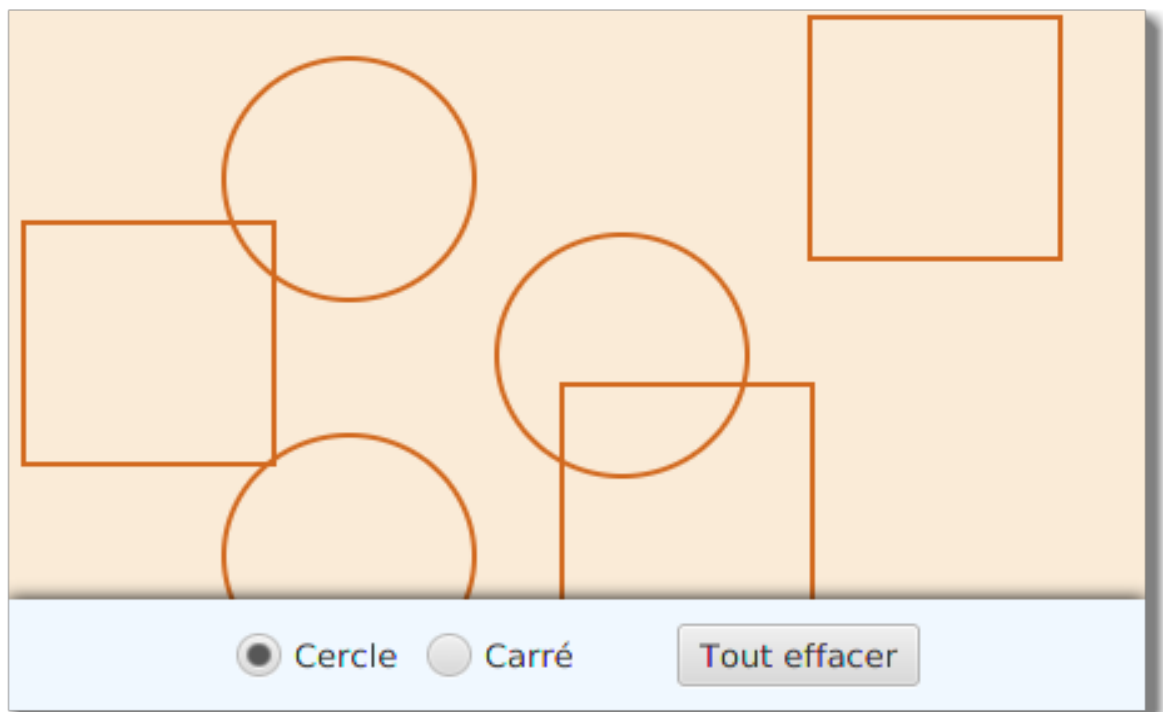


```
/home/manu/CloudStation/ProjetsJAVA/FormesFXML/src/fx/FormesFXML.java
```

```
/*  
 * To change this license header, choose License Headers in Project Properties.  
 * To change this template file, choose Tools | Templates  
 * and open the template in the editor.  
 */  
package fx;  
  
import javafx.application.Application;  
import javafx.fxml.FXMLLoader;  
import javafx.scene.*;  
import javafx.stage.Stage;  
  
/**  
 *  
 * @author manu  
 */  
public class FormesFXML extends Application {  
  
    @Override  
    public void start(Stage fenêtre) throws Exception {  
        Parent root = FXMLLoader.load(getClass().getResource("Formes.fxml"));  
        Scene scene = new Scene(root);  
        fenêtre.setTitle("Placement de formes");  
        fenêtre.setScene(scene);  
        fenêtre.show();  
    }  
}
```



```
/home/manu/CloudStation/ProjetsJAVA/FormesFXML/src/fx/Formes.fxml
```

```
<?xml version="1.0" encoding="UTF-8"?>

<?import fx.*?>
<?import javafx.scene.text.*?>
<?import javafx.scene.effect.*?>
<?import javafx.geometry.*?>
<?import java.lang.*?>
<?import java.util.*?>
<?import javafx.scene.*?>
<?import javafx.scene.control.*?>
<?import javafx.scene.layout.*?>

<BorderPane prefHeight="450" prefWidth="600.0" style="-fx-background-color: #FAEBD7;"
  xmlns="http://javafx.com/javafx/8" xmlns:fx="http://javafx.com/fxml/1" fx:controller="fx.FormesController">
  <center>
    <Panneau fx:id="panneau" BorderPane.alignment="CENTER" />
  </center>
  <bottom>
    <FlowPane alignment="CENTER" hgap="10.0" style="-fx-background-color: #F0F8FF;" BorderPane.alignment="CENTER">
      <padding>
        <Insets bottom="10.0" top="10.0" />
      </padding>
      <effect>
        <DropShadow />
      </effect>
      <children>
        <RadioButton mnemonicParsing="false" onAction="#formeCirculaire" selected="true" text="Cercle">
          <toggleGroup>
            <ToggleGroup fx:id="formes" />
          </toggleGroup></RadioButton>
        <RadioButton mnemonicParsing="false" onAction="#formeCarrée" text="Carré" toggleGroup="$formes" />
        <Button mnemonicParsing="false" onAction="#toutEffacer" text="Tout effacer">
          <FlowPane.margin>
            <Insets left="30.0" />
          </FlowPane.margin>
        </Button>
      </children>
    </FlowPane>
  </bottom>
</BorderPane>
```

```
/home/manu/CloudStation/ProjetsJAVA/FormesFXML/src/fx/FormesController.java
```

```
package fx;

import java.net.URL;
import java.util.ResourceBundle;
import javafx.event.ActionEvent;
import javafx.fxml.*;

public class FormesController implements Initializable {

    @FXML
    private Panneau panneau;

    @FXML
    private void formeCirculaire(ActionEvent event) { panneau.changer(TypeForme.CERCLE); }

    @FXML
    private void formeCarrée(ActionEvent event) { panneau.changer(TypeForme.CARRÉ); }

    @FXML
    private void toutEffacer(ActionEvent event) { panneau.toutEffacer(); }

    @Override
    public void initialize(URL url, ResourceBundle rb) { }
}
```

```
/home/manu/CloudStation/ProjetsJAVA/FormesFXML/src/fx/Panneau.java
```

```
package fx;

import javafx.scene.layout.Pane;
import javafx.scene.paint.Color;
import javafx.scene.shape.*;

enum TypeForme {CERCLE, CARRÉ};

public class Panneau extends Pane {
    private TypeForme type = TypeForme.CERCLE;

    public Panneau() { setOnMouseClicked(evt -> { tracerForme(evt.getX(), evt.getY()); }); }

    public void changer(TypeForme forme) { type = forme; }

    public void toutEffacer() { getChildren().clear(); }

    private void tracerForme(double x, double y) {
        Shape forme = null;
        switch (type) {
            case CERCLE : forme = new Circle(x, y, 50); break;
            case CARRÉ: forme = new Rectangle(x-50, y-50, 100, 100); break;
        }
        forme.setFill(new Color(0,0,0,0));
        forme.setStroke(Color.CHOCOLATE);
        forme.setStrokeWidth(2);
        getChildren().add(forme);
    }
}
```