

```
/*
 * CS5405
 * Homework 05
 * Grant Broadwater (grbcp5)
 * October 16, 2018
 *
 * Demo.java
 */
```

```
package code;
```

```
import javafx.application.Application;
import javafx.scene.Scene;
import javafx.scene.layout.Pane;
import javafx.stage.Stage;
```

```
public class Circles extends Application implements
    ButtonSegmentControllerDataSource {
```

```
    public static final String AUTHOR_MENU_OPTION = "Author";
    public static final String PROBLEM_MENU_OPTION = "Problem";
    public static final String REFERENCE_MENU_OPTION = "Reference";
    public static final String DEMOS_MENU_OPTION = "Demos";
    public static final String[] MENU_OPTION_TITLES = {
        Demo.AUTHOR_MENU_OPTION,
        Demo.PROBLEM_MENU_OPTION,
        Demo.REFERENCE_MENU_OPTION,
        Demo.DEMOS_MENU_OPTION,
    };
```

```
    private ButtonSegmentController segmentController;
    private AuthorPane authorPane;
    private ProblemPane problemPane;
    private ReferencePane referencePane;
    private DemosPane demosPane;
```

```
    public static void main(String[] args) {
```

```
        System.out.println("CS5405");
        System.out.println("Homework 05");
        System.out.println("Grant Broadwater");
        System.out.println("October 16, 2018");
        System.out.println();
```

```
        System.out.println("Starting application.");
        Demo.launch(args);
        System.out.println("Terminating application.");
```

```

}

public void start(Stage primaryStage) {

    this.authorPane = new AuthorPane();
    this.problemPane = new ProblemPane();
    this.referencePane = new ReferencePane();
    this.demosPane = new DemosPane();
    this.segmentController = new ButtonSegmentController(this);

    Scene scene = new Scene(this.segmentController, 750, 600);
    primaryStage.setTitle("Homework 05");
    primaryStage.setScene(scene);
    primaryStage.show();
}

public int getNumberOfSegments() {
    return Demo.MENU_OPTION_TITLES.length;
}

public String getTitleForSegment(int segmentIndex) {
    return Demo.MENU_OPTION_TITLES[segmentIndex];
}

public Pane getPaneForSegment(String segmentTitle) {
    if (segmentTitle.equals(Demo.AUTHOR_MENU_OPTION)) {
        return this.authorPane;
    } else if (segmentTitle.equals(Demo.PROBLEM_MENU_OPTION)) {
        return this.problemPane;
    } else if (segmentTitle.equals(Demo.REFERENCE_MENU_OPTION)) {
        return this.referencePane;
    } else if (segmentTitle.equals(Demo.DEMOS_MENU_OPTION)) {
        return this.demosPane;
    } else {
        return null;
    }
}
}

```