```
1 /**
2  * The main entry point for the application.
3  *
4  * @param args the command line arguments
5  */
6  public static void main(String[] args) {
7     launch(args);
8  }
```

```
1  /**
2  * Initializes the primary stage of the application.
3  *
4  * @param primaryStage the primary stage
5  */
6  @Override
7  public void start(Stage primaryStage) {
8     this.primaryStage = primaryStage;
9     initializePrimaryStage();
10  }
```

```
1  /**
2  * Initializes the primary stage with the title and initial screen.
3  */
4  private void initializePrimaryStage() {
5     primaryStage.setTitle("Puzzle game");
6     setupInitialScreen();
7     primaryStage.show();
8     adjustMainMenuSize();
9     centerStage(primaryStage);
10 }
```

```
1 /**
2  * Navigates to the main menu screen.
3  */
4  private void goToMainMenu() {
5    setupMainMenu();
6  }
```

```
1  /**
2     * Adjusts the size of the main menu to fit the screen.
3     */
4     private void adjustMainMenuSize() {
5         Screen screen = Screen.getPrimary();
6         Rectangle2D bounds = screen.getVisualBounds();
7         primaryStage.setWidth(bounds.getWidth());
8         primaryStage.setHeight(bounds.getHeight() - 27);
9     }
```

```
1  /**
2  * Creates a Scene with the specified root pane, width, and height.
3  *
4  * @param root the root pane
5  * @param width the scene width
6  * @param height the scene height
7  * @return the created Scene
8  */
9  private Scene createScene(StackPane root, double width, double height) {
10    return new Scene(root, width, height);
11 }
```

```
1  /**
2  * Updates the content of the root pane with the specified text.
3  *
4  * @param content the new content
5  */
6  private void updateContent(String content) {
7   root.getChildren().clear();
8   Text text = new Text(content);
9   text.setStyle("-fx-font-size: 24;");
10   text.setFont(new Font(40));
11   root.getChildren().add(text);
12 }
```

```
1  /**
2  * Navigates to the Game 2 screen.
3  */
4  private void goToGame2() {
5    SudokuGame game2 = new SudokuGame();
6    Scene game2Scene = new Scene(game2.getRoot(), primaryStage.getWidth(), primaryStage.getHeight());
7    primaryStage.setScene(game2Scene);
8    game2Scene.getWindow().setOnCloseRequest(event -> {
10         if (event.getEventType() == WindowEvent.WINDOW_CLOSE_REQUEST) {
11             goToMainMenu();
12         }
13      });
14  }
```