**Investment Calculator API**

Have you ever wondered what all the money in your savings account could be doing if it were invested at different rates and times? Now you can! And you can have fun customizing the look of your new calculator!

Below you will find a table of the methods provided for you along with the functionality and return type of each followed by essential files:

|  |  |  |  |
| --- | --- | --- | --- |
| Method Name | Return Type | Args | Desc |
| makeScene () | **Scene** | **BorderPane bp, int h, int w** | **Defines the size of the GUI windows as W X H if W arg is < 400 and H arg is<250 then default of 450 X 250 size is set** |
| pickWindowColor() | **void** | **BorderPane bp, String color** | **Sets the background color of the window to chosen color (Use string version of fx colors("-fx-background-color: AQUAMARINE"))** |
| setTextFields () | **void** | **GridPane gp, BorderPane bp** | **Sets the text fields and labels on top of the gridPane, which is placed on the center of the borderpane.** |
| setButtons () | **void** | **BorderPane mainPane, GridPane gridPane, HBox hb, String title, String font, String Color** | **Sets all button fonts, Calculate Button’s color, and title for the program onto the BorderPane** |
| executeButtons () | **void** | **Stage primaryStage** | **Gives lambda actions to the buttons and makes them work. Exit button needs the stage to close properly** |

**API\_InvestmentCalculator.java = The API itself, do not change anything here**

**InvestmentCalculatorDemo.java = The file that inherits from our API. Follow the comments labeled “TODO:” to create your own version!**

***InvestmentCalculator\_Example Files 1 and 2: Example programs that have already made use of the API and generate some examples.***

***Helpful links:***

[***CSS Color Code Picker***](https://colorschemedesigner.com/csd-3.5/)

[***CSS Web Safe Fonts***](https://www.w3schools.com/cssref/css_websafe_fonts.asp)

[***Java FX Color Names***](https://docs.oracle.com/javase/8/javafx/api/javafx/scene/paint/Color.html)

*Example results on the following pages.*

**Example Results**





