User Implementation Manual

Ensure you have Java Installed on your device.
Run the program on the App.Java file.

- User Class: Represents a person with a height and weight. This class has getter and setter mehods for both of those user attributes.
- BMICalculator: This class is resposible for two methods; calculating the BMI and the BMI Category based on the input derived from the User Object.
- App Class: This class uses the data from the BMICalculator Class to return a BMI and BMI Category in the graphic user interface, and implements methods to open a second and third window for the user to learn more information.

App

-heightField: TextField
-weightField: TextField
-resultLabel: TextField
-heightLabel: Label
-weightLabel: Label
-heightBox: HBox
-weightBox: HBox
-calculateButton: Button
-learnMoreBtn: Button
-layout: VBox
-backBtn1: Button
-whatIsBMI: Text
-bmiInformation: Text
-whyImportant: Text
-manageBMIBtn: Button
-stage3: Stage
-backBtn2: Button
-manageBMIInformation: Text
-disclaimer: Text
-layout3: VBox
-layout2: VBox

+start(primaryStage: Stage) : : void
+createUI(stage: Stage) : : void
+handle(event: javafx.event.ActionEvent) : : void
-handleCalculate() : : void
+displayResults(bmi: double, category: string) : : void
+getBMILabel(bmi: double) : : String
+getCategoryLabel(category: String) : : String

User

-height: double

-weight: double

+User(height: double, weight: double)

+getHeight() : : double

+setHeight(Height: double) : : void

+getWeight() : : double

+setWeight(weight: double) : : void

BMICalculator

+BMICalculator()

+calculateBMI(user: User) : : double

+getBMICategory(bmi: double) : : string