

## **In Class Assignment 2a Plan**

### **Group 10:**

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### **UI components used:**

**TextViews**

**EditText**

**Button**

### **Corner Cases:**

1. Input must always be a non-negative real number
2. Input must not be blank or empty
3. Inches EditText should have values between 0 - 12 (only integers)

### **Rubrics TODO:**

- **String.xml**

```
app_title: "BMI Calculator"
bmi_title: "Body Mass Index (BMI)"
weight: "Weight"
lb: "lb"
height: "Height"
feet: "feet"
inches: "inches"
calc_bmi: "Calculate BMI"
uw: "Underweight"
nw: "Normal Weight"
ow: "Overweight"
ob: "Obese"
toast_bmi: "BMI Calculated"
```

- **GUI**

- 1 TextView to display "Body Mass Index (BMI)"

- 1 EditText to input weight

- 1 TextView with text "Weight"

- 1 TextView with text lb

- 1 TextView with text "Height"

- 2 TextView with text "feet", "inches"

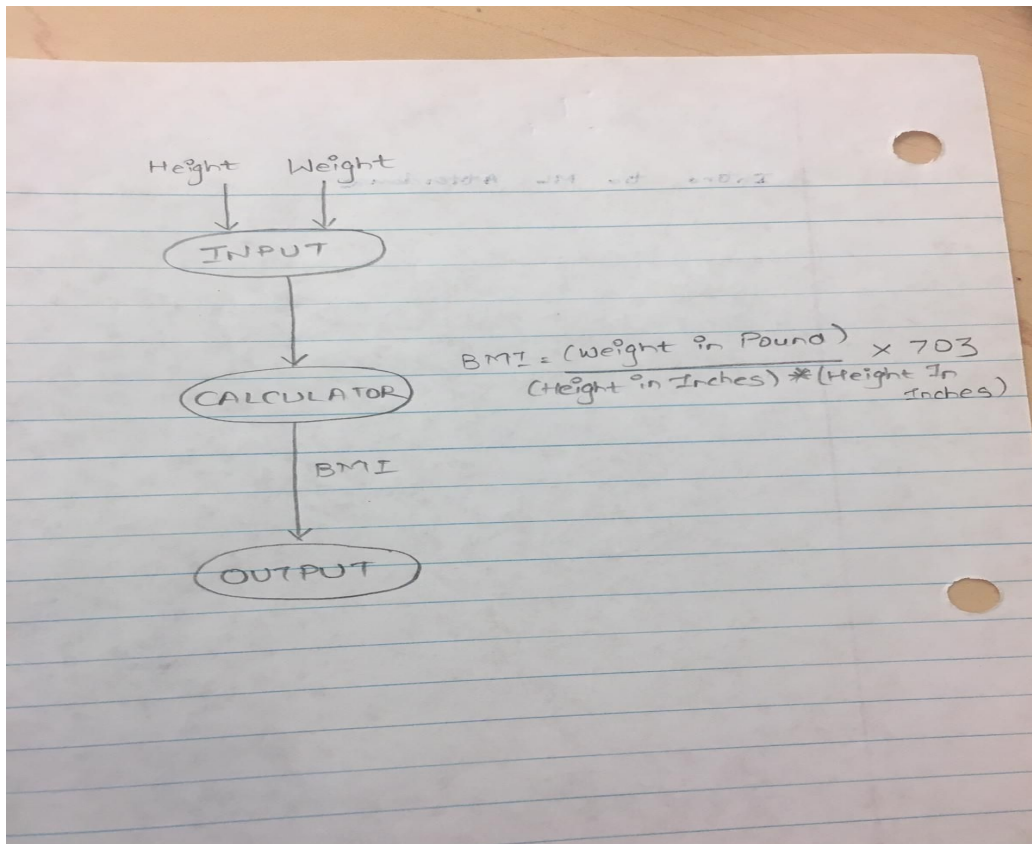
- 1 Button with text "Calculate BMI"

- 1 TextView with text "Your BMI:" + <BMI>

- 1 TextView with text "You are " + <Underweight, Normal weight, Overweight, Obese>

- Calculating BMI = (Weight in pounds / (Height in inches ^ 2)) \* 703

**Flowchart:**



**Work Distribution:**

Ishan: BMI Logic Code

Nikhil: UI