

## Finals Lab Task 4. Python GUI using TKINTER

Note: Write your code following **OOP code construct**, you may use the attached simpleCalc.py program as guide.

**Instructions: READ AND UNDERSTAND THE PROBLEM FIRST BEFORE DOING THE ACTUAL PROGRAM.**

- 1. Design the form below
- 2. Problem Statement: The cost of a long Distance call is based on the destination, the time of day the call was made, as well as the distance of the call. The rates as as follows:

DAYTIME CALLS		NIGHTTIME CALLS	
1. American Region	P 50 every 3 minutes	1. American Region	P 45 every 3 minutes
2. Asian Region	P 30 every 2 minutes	2. Asian Region	P 27 every 2 minutes
3. African Region	P 40 every 3 minutes	3. African Region	P 36 every 3 minutes
4. European Region	P 35 every 2 minutes	4. European Region	P 30 every 2 minutes

- 3. Make a program that will Allow the user to **Select Destination Code (between 1 – 4)** using ComboBox widget, A Time Code using radio buttons, And the Duration Of The Call in minutes and output the **TOTAL CHARGE**. – Validate user inputs by using **TRY EXCEPT block – Only numeric values are accepted**.
- 4. **Compute Button** should compute for the **TOTAL CHARGE**.
  - 4.1 Computations should be based on the table rates shown above. (The total charge is based on **Length of Calls, Destination Code** and **Time Code**)
  - 4.2. You may use the get () method of the comboBox to capture the selected option in your comboBox
- 5. **Reset Button** should clear the Radio Button Selection and the Text field entries should be cleared as well
- 6. **About button** should display a dialog with the message: “Hello I’m your Name”
- 7. See sample output below:

The screenshot shows a Tkinter GUI window titled "User Inputs:". It contains a text entry field for "Length of Call (in minutes):" with the value "13". Below it is a dropdown menu for "Destination Code:" currently showing "Asian Region". Underneath are two radio buttons for "Time Code": "Day Time" and "Night Time", with "Night Time" being selected. A separate box titled "Transaction Summary..." displays the calculated values: "Duration of Call: :13minute(s)", "Destination Code: :Asian Region", "Time Code: :Night Time", and "Total Charge is: :Php175.5". At the bottom of the window are four buttons: "Compute Charge", "Reset", "About", and "Close".

**Rubrics: Form Design and Layout : 10 points**  
**Program Correctness : 40 points (Reset – 5 pts., About – 5 pts. , Compute – 30 pts.)**