

Assignment 11 – Pizza GUI (Extra Credit)

Goals

- Practice creating GUIs
- Practice adding and using widgets
- Practice creating event handlers
- Practice creating encapsulated GUI classes

Requirements

Create a GUI that allows users to order a pizza by making certain selections. Your program must perform the following:

- Start by creating a class that inherits from **Frame**
- In the constructor, do the following:
 - Add the following widgets, following the grid layout in the sample output:
 - **Label**
 - Three **Checkbuttons** (representing each pizza topping)
 - Three **Radiobuttons** (representing each possible pizza size)
 - **Button** (for creating a pizza order)
 - Large **Text** field (not an **Entry**)
 - Create any necessary **BooleanVar** or **StringVar** to read values from the **Radiobuttons** and **Checkbuttons**.
 - Link the **Button** to an event handler method (see below).
 - Disable the **Text** field so the user cannot modify the text.
- Also within the class, define a method called **displayOrder**. This will act as the event handler for the button when it is clicked. The method will perform the following actions:
 - Read and store the pizza topping choices from the corresponding **Checkbuttons**
 - Read and store the user's size preference from the corresponding **Radiobuttons**
 - Enable the **Text** field
 - Clear the **Text** field
 - Display the pizza order in the **Text** field
 - Disable the **Text** field
 - Reset the form (i.e. clear all the checkboxes and set a default pizza size)

Sample Output

Default state of program

Example order #1

Example order #2

Deliverables and Submission Instructions

- Create a folder on your computer called **ITP115_a#_lastname_firstname**
(replace # with this lab number)
- Inside the folder, include your python source code
- Compress the folder (make a zip file) called **ITP115_a#_lastname_firstname.zip**
(replace # with this assignment number)
- Upload zip file to Blackboard site for our course

Grading

Item	Points
Pizza GUI	6
Total*	6

* Points will be deducted for poor code style, or improper submission.