Salamero Labara, Nerea
s2417018@edu.savonia.fi

EXERCISE 4: MULTI-COUNTER APP

```
import flet as ft

# Create a new counter input
class Counter:
    def __init__(self, name):
        self.count = 0
        self.name = name
    # Change the increment/decrement 1 to the value of the counter
    def minusClick(self):
        self.count -= 1
    def plusClick(self):
        self.count += 1

def main(page: ft.Page):
    page.title = "Multi-Counter App"
    page.horizontal_alignment = "center"
    counters = []

    # Add a new counter
    def addCounter(e):
        name = nameInput.value.strip()
        if name:
          newCounter = Counter(name)
          counters.append(newCounter)
          def plusClicked(e):
            newCounter.plusClick()
            counterRow.controls[2]=ft.Text(f"{newCounter.count}")
            page.update()
          def minusClicked(e):
            newCounter.minusClick()
            counterRow.controls[2]=ft.Text(f"{newCounter.count}")
            page.update()

          # Create the UI components for each counter
          counterRow = ft.Row(
            alignment=ft.MainAxisAlignment.CENTER,
            controls=[
               ft.Text(newCounter.name, expand=True),
                ft.IconButton(ft.icons.REMOVE, on_click=minusClicked,
                tooltip="Decrease count"),
                ft.Text(f"{newCounter.count}"),
                ft.IconButton(ft.icons.ADD, on_click=plusClicked,
                tooltip="Increase count"),
                ft.IconButton(ft.icons.DELETE, on_click=lambda e:
                deleteCounter(counterRow), tooltip="Delete counter")
             ])
          page.add(counterRow)
          page.update()
```

Salamero Labara, Nerea
s2417018@edu.savonia.fi

```
    # Delete a counter
    def deleteCounter(counterContainer):
        page.controls.remove(counterContainer)
        page.update()

     nameInput=ft.TextField(hint_text="Add a new counter",width=300)

    page.add(
      # Create a new counter input
      ft.Row([nameInput, ft.FloatingActionButton(icon=ft.icons.ADD,
on_click=addCounter, tooltip="Add counter")],
            alignment=ft.MainAxisAlignment.CENTER,
        )
    )
    page.update()

ft.app(target=main)
```