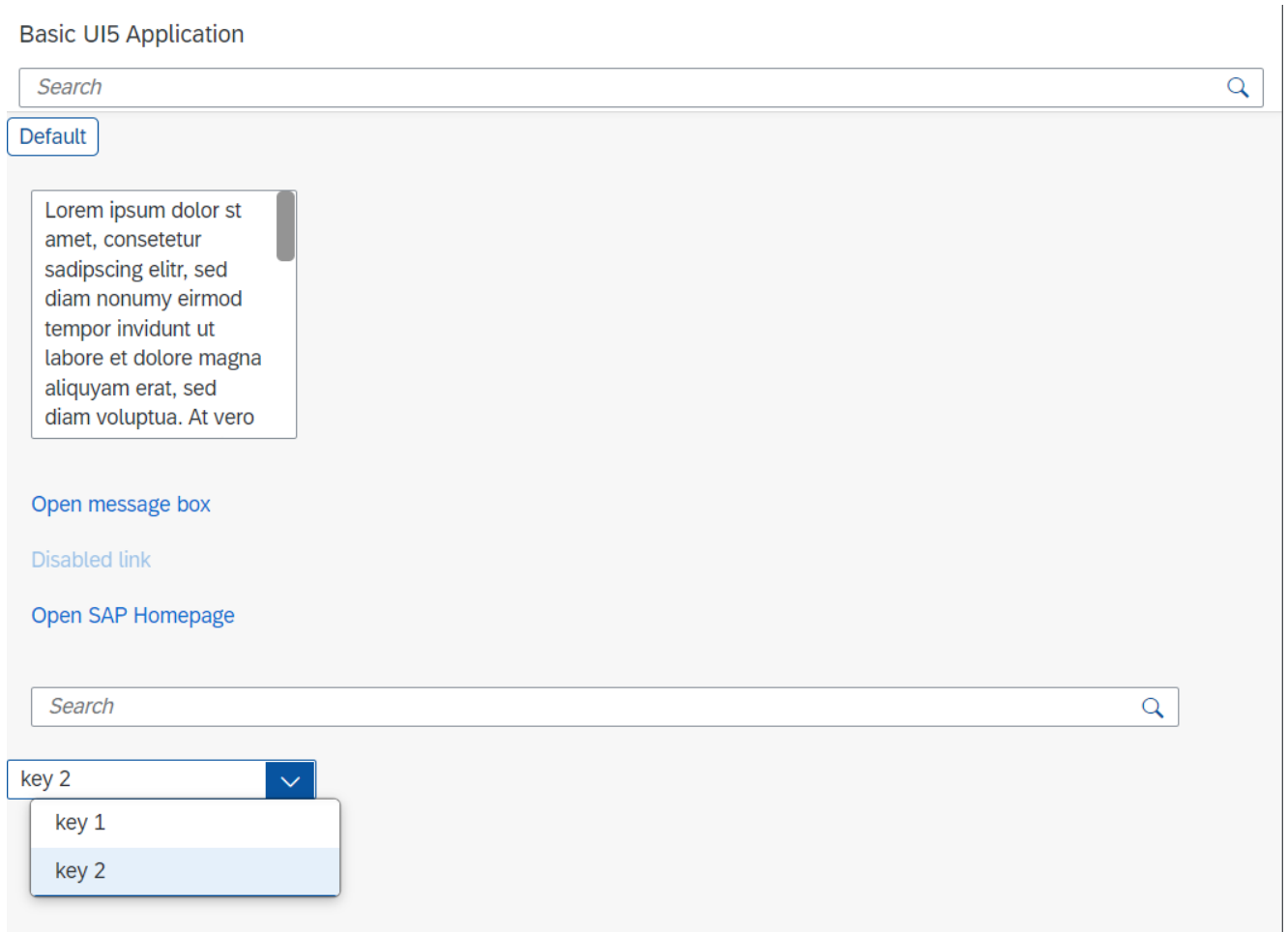


# Assignment – WK06 – UI5 Basics and Controls

1. Create a basic UI5 application using any 5 controls of your choice with their properties , events and aggregations if any.

Code - [q1-basic-app \(github.com\)](https://github.com/q1-basic-app)



## Controls :

- **sap.m.Button**
  - **Properties :**
    - activeIcon
    - ariaHasPopopenable
    - icon
  - **Aggregations :**
    - customData
    - layoutData
  - **Events :**
    - press

- **sap.m.TextArea**
  - **Properties :**
    - height
    - maxLength
    - wrapping
  - **Aggregations :**
    - customData
    - tooltip
  - **Events :**
    - liveChange
- **sap.m.Link**
  - **Properties :**
    - emphasized
    - href
  - **Aggregations :**
    - tooltip
  - **Events :**
    - press
- **sap.m.SearchField**
  - **Properties :**
    - enabled
    - placeholder
    - maxLength
  - **Aggregations :**
    - suggestionItems(default)
  - **Events :**
    - liveChange
    - search
- **sap.m.SearchField**
  - **Properties :**
    - filterSecondaryValues
    - selectedItemId
    - selectedKey
  - **Aggregations :**
    - dragDropConfig
    - items(default)
  - **Events :**
    - change
    - selectionChange

## 2. What do you understand by Lifecycle hooks in SAP UI5?

SAPUI5 provides predefined lifecycle hooks for implementation. We can add event handlers or other functions to the controller and the controller can fire events, for which other controllers or entities can register.

SAPUI5 provides the following lifecycle hooks:

**onInit():** Called when a view is instantiated and its controls (if available) have already been created; used to modify the view before it is displayed to bind event handlers and do other one-time initialization

**onExit():** Called when the view is destroyed; used to free resources and finalize activities

**onAfterRendering():** Called when the view has been rendered and, therefore, its HTML is part of the document; used to do post-rendering manipulations of the HTML. SAPUI5 controls get this hook after being rendered.

**onBeforeRendering():** Invoked before the controller view is re-rendered and not before the first rendering; use onInit() for invoking the hook before the first rendering

## 3. Create a responsive screen as shown below, using the HBox, VBox , Button and Carousel controls in UI5.

Code - [q3-responsive-screen \(github.com\)](#)

