**Assignment A**

* Create a class diagram
* Implement the described workflows, with any language or tool

**Prerequisites:**

**ANACONDA Spyder**

1. Install tkinter library using “pip install tk”
2. Import datetime

**Implementation Steps:**

* 1. Install the required libraries
  2. Import the required modules
  3. Create the GUI using tkinter
     1. It has three buttons: mode, increase, and light.
     2. The mode button toggles between the three modes described in the prompt
     3. The increase button updates the time label according to the current mode
     4. The light button changes the background and foreground colors to make the watch readable in the dark

**Source code:**



**Note:** Kindly open the above .txt file to review the source code

**Output:**

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| --- |
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| Figure 1. Representative images to display the current time which is created in GUI |