

# Digital Clock Project Setup and Execution Guide

## **Project Structure:**

- Extract the contents of the "DigitalClock" zip file.
- Navigate to the "src" folder.

### **1. Main.java:**

- Open the "Main.java" file.
- This file contains the main method to run the digital clock.

### **2. DigitalClock.java:**

- Open the "DigitalClock.java" file.
- This class implements the digital clock functionality.

### **3. SetAlarmFrame.java:**

- Open the "SetAlarmFrame.java" file.
- This class handles the setting and triggering of alarms.

### **4. TimeZoneSettings.java:**

- Open the "TimeZoneSettings.java" file.
- This class provides functionality to set the time zone.

### **5. DigitalClockAppearanceSettings.java:**

- Open the "DigitalClockAppearanceSettings.java" file.
- This class allows users to customize the appearance of the digital clock.

## **Instructions to Run the Project:**

### **1. Compile and Run Main.java:**

- Open a terminal or command prompt.
- Navigate to the "src" folder.
- Compile and run the "Main.java" file to start the digital clock:

### **2. Set Alarm:**

- Click the "Set Alarm" button on the digital clock GUI.
- Enter the desired alarm time, and click "OK" to set the alarm.

### **3. Customize Appearance:**

- Click the "Appearances" button to customize the text color, frame color, background color, frame width, and date style.

### **4. Set Time Zone:**

- Click the "Set Time Zone" button to choose a different time zone.

### **5. Exit:**

- Close the digital clock window to exit the application.

## **Notes:**

- Make sure you have Java installed on your system.
- The project uses Java Swing for the graphical user interface.
- Sound files for alarms should be in the same directory as the source files.