

Main

+main(String[] args) : void

DigitalClock

dateFormat: SimpleDateFormat

font: Font

- fontForCopyRight : Font - timeLabel : JLabel (Blue)

- dateLabel : JLabel (Blue)

appearanceSettings : DigitalClockAppearanceSettings

- timeZoneLabel : JLabel (Blue)

- timeZone : TimeZone

- panel1 : JPanel

- panel3 : JPanel (Green)

- panel4 : JPanel (Green)

- setAlarmButton : JButton (Blue)

+ DigitalClock()

+ setDateLabelFormat(...): void

+ startClock(): void

+ setClockTextColor(...): void

+ setClockFrameColor(...): void

+ setClockBackgroundColor(...): void

+ setClockFrameWidth(...): void

+ getClockFrameColor(): Color

+ getClockFrameWidth(): int

+ setClockFrameWidth4(...): void

+ setClockFrameWidth5(...): void

+ setClockFrameWidth6(...): void

**DigitalClockAppearanceSettings** 

- digitalClock : DigitalClock

+ DigitalClockAppearanceSettings(...)

+ showAppearanceOptions(): void

- changeTextColor(): void

changeFrameColor(): void

changeBackgroundColor(): void

changeFrameWidth(): void

changeDateStyle(): void

## SetAlarmFrame

- c : Container

**TimeZoneSettings** 

+ TimeZoneSettings(DigitalClock digitalClock)

- timeZoneComboBox : JComboBox

- digitalClock : DigitalClock

- applyTimeZone() : void

- getTimeZoneIDs() : String[]

- jLabel1 : JLabel

- jLabel2 : JLabel

- jLabel3 : JLabel

· jLabel4 : JLabel

- panel1 : JPanel
  panel2 : JPanel
  panel3 : JPanel
  panel4 : JPanel
  panel5 : JPanel
  f, f1, f2, f3, f4 : Font
  tfh, tfm, tfs, tfam : JTextField
- temp am : String
- flag : int
- alarms : ArrayList<String>
- triggeredAlarms : ArrayList<String>

btnOk, btnStop, btncl : JButtontemp h, temp m, temp s : int

- clip, alarmClip : Clip
- + SetAlarmFrame(JFrame parentFrame)
- + PlayMusic(String location) : void
- + stopMusic() : void
- + storeAlarm(String alarmInfo): void
- + displayAlarms(): void
- + isTimeMatch(String currentTime, String alarmTime, int toleranceSeconds) : boolean
- + markAlarmAsTriggered(String alarm) : void
- + initComponents() : void + currentTime() : void

