UML for src/com Package

JComponent.java Calender.java : LocalTime # STRART_TIME : LocalTime # END_TIME # MIN_WIDTH : int # MIN_HEIGHT : int # HEADER_HEIGHT : int # RIME_COL_WIDTH : int - FONT_LETTER_PIXEL_WIDTH : int events : ArrayList<CelendarEvent> : double timescale. - dayWidth : double : Graphics2D - g2. + Calendar () + Calendar(ArrayList<CalendarEvent> events) + LocalTime roundTime(LocalTime time, int minutes) setupEventListeners() # dateInRange(LocalDate date) checkCalendarEventClick(Point p) checkCalendarEmptyClick(Point p) getDateFromDay(DayOfWeek day) + addCalendarEventClickListener(CalendarEventClickListener I) +removeCalendarEventClickListener(CalendarEventClickListener I) fireCalendarEventClick(CalendarEvent calendarEvent) + addCalendarEmptyClickListener(CalendarEmptyClickListener l) + removeCalendarEmptyClickListener(CalendarEmptyClickListener I) fireCalendarEmptyClick(LocalDateTime dateTime) calculateScaleVars() # numDaysToShow() # dayToPixel(DayOfWeek dayOfWeek) - timeToPixel(LocalTime time) pixelToTime(double y)

Reminder.java

: ArrayList<CalendarEvent> events

- addButton. : JButton

AddReminderListener()

+ actionPerformed(ActionEvent e)

TimeSlot.java

: LocalTime - startTime - endTime : LocalTime

+ getStart()

+ getEnd()

Week.java

: ArrayList<LocalDate> days

Week(LocalDate date)

getStartOfWeek(LocalDate date)

nextWeek()

prevWeek()

toString()

main(String[] args)

WeekCalendar.java

pixelToDay(double x)

DayOfWeek getStartDay() # DayOfWeek getEndDay()

drawDayHeadings()

drawTodayShade()

- drawCurrentTimeLine()

drawGrid()

drawTimes()

drawEvents()

- setupTimer()

getDayWidth()

setRangeToToday()

+ addEvent(CalendarEvent event)

+ removeEvent(CalendarEvent event)

+ setEvents(ArrayList<CalendarEvent> events)

+ setFontSize(int size) + setFontType(String fonttype)

paintComponent(Graphics g)

: Week week

+ WeekCalendar(ArrayList<CalendarEvent> events)

dateInRange(LocalDate date)

getDateFromDay(DayOfWeek day)

numDaysToShow()

getStartDay()

setStart(LocalTime start)

getEndDay()

setRangeToToday()

dayToPixel(DayOfWeek dayOfWeek)

+ nextWeek()

prevWeek()

+ nextMonth()

+ prevMonth()

DayCalendar.java

calDate : LocalDate

DayCalendar(ArrayList<CalendarEvent> events)

#. dateInRange(LocalDate date)

getDateFromDay(DayOfWeek day)

numDaysToShow()

getStartDay()

setStart(LocalTime start)

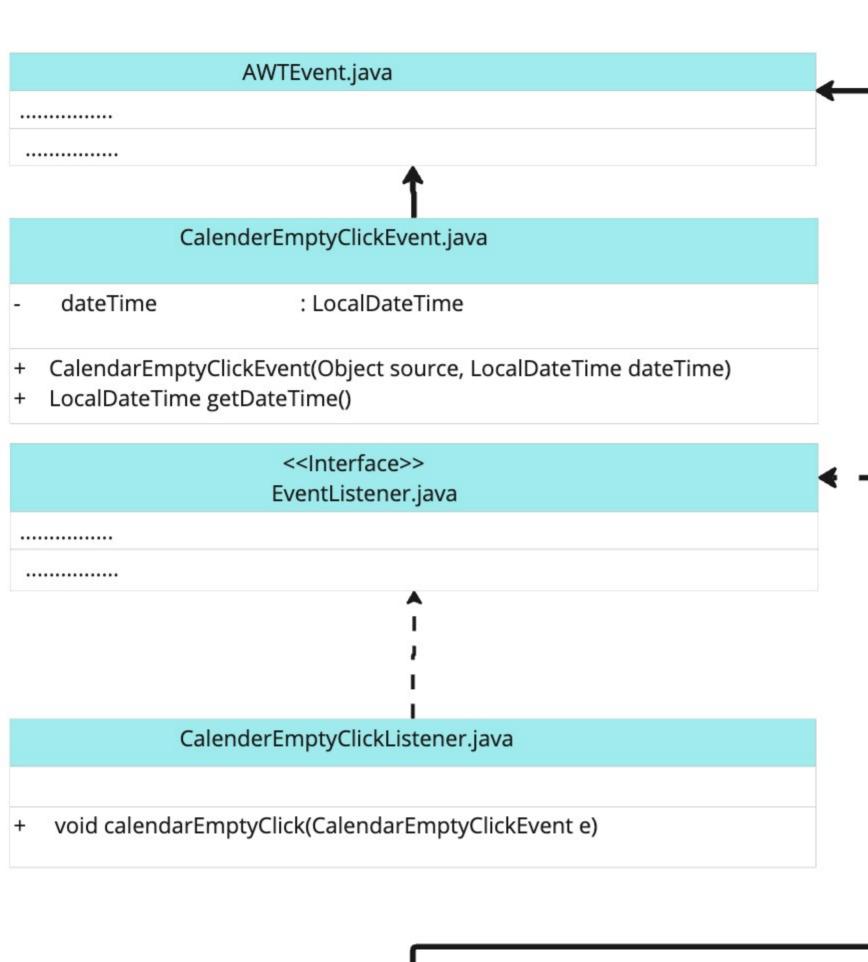
getEndDay()

setRangeToToday()

dayToPixel(DayOfWeek dayOfWeek)

+ nextDay()

prevDay()



Calender Event. java

- DEFAULT_COLOR : Color
- date : LocalDate
- start : LocalTime
- end : LocalTime
- text : String
- color : Color

- + CalendarEvent(LocalDate date, LocalTime start, LocalTime end, String text)
- + CalendarEvent(LocalDate date, LocalTime start, LocalTime end, String text, Color color)
- + getDate()
- + setDate(LocalDate date)
- + getStart()
- + setStart(LocalTime start)
- + getEnd()
- + setEnd(LocalTime end)
- + getText()
- + setText(String text)
- + toString()
- + getColor()
- + equals(Object o)
- + hashCode()

CalendarEventClickEvent.java

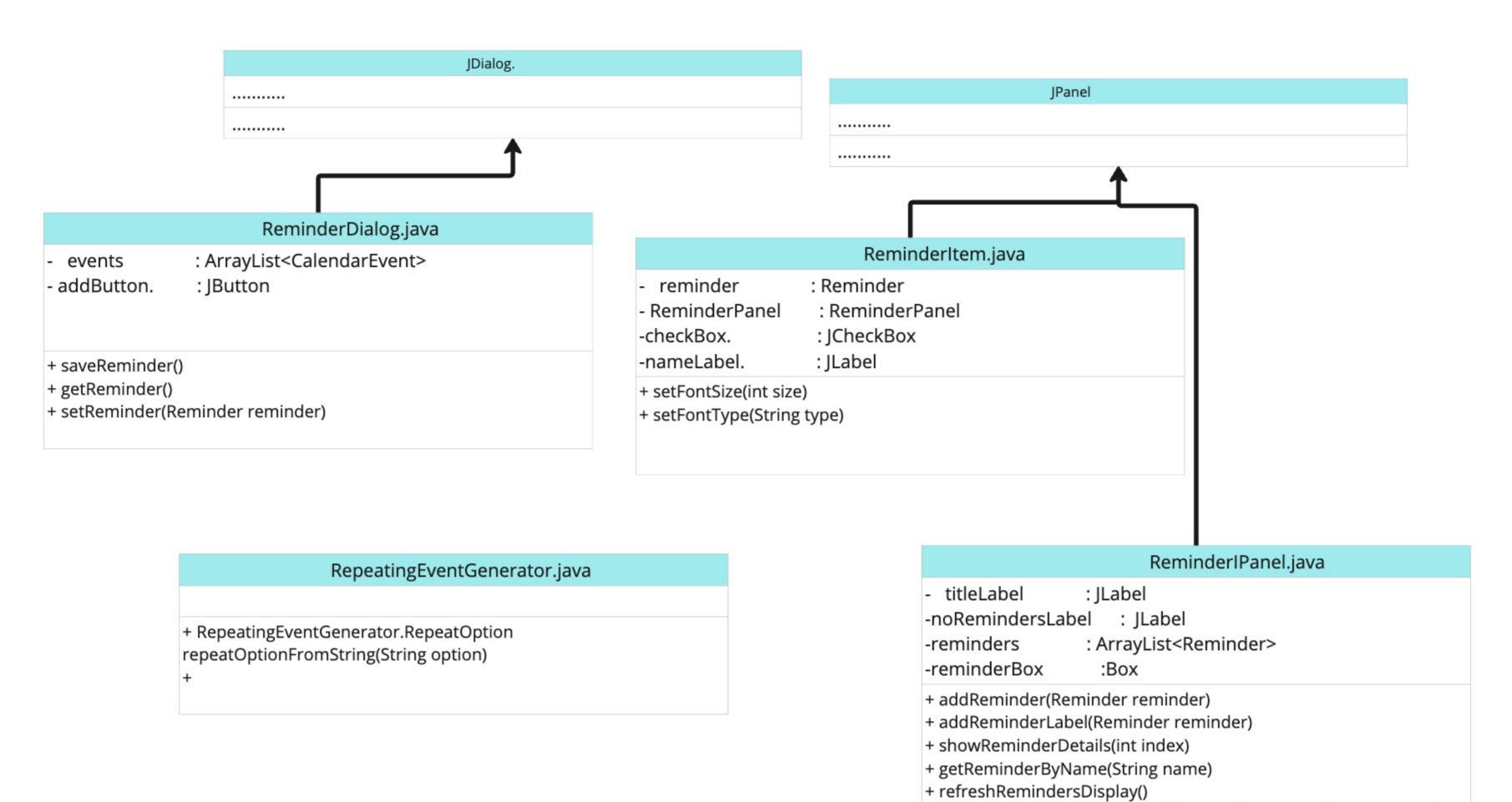
calendarEvent : CalendarEvent

- CalendarEventClickEvent(Object source, CalendarEvent calendarEvent)
- + getCalendarEvent()

<<Interface>> CalendarEventClickListener.java

calendarEvent : CalendarEvent

calendarEventClick(CalendarEventClickEvent e)



+ updateReminder(Reminder oldReminder, Reminder newReminder)

+ deleteReminder(Reminder reminder)

+ getReminders()

+ setFontSize(int size)

+ setFontType(String type)