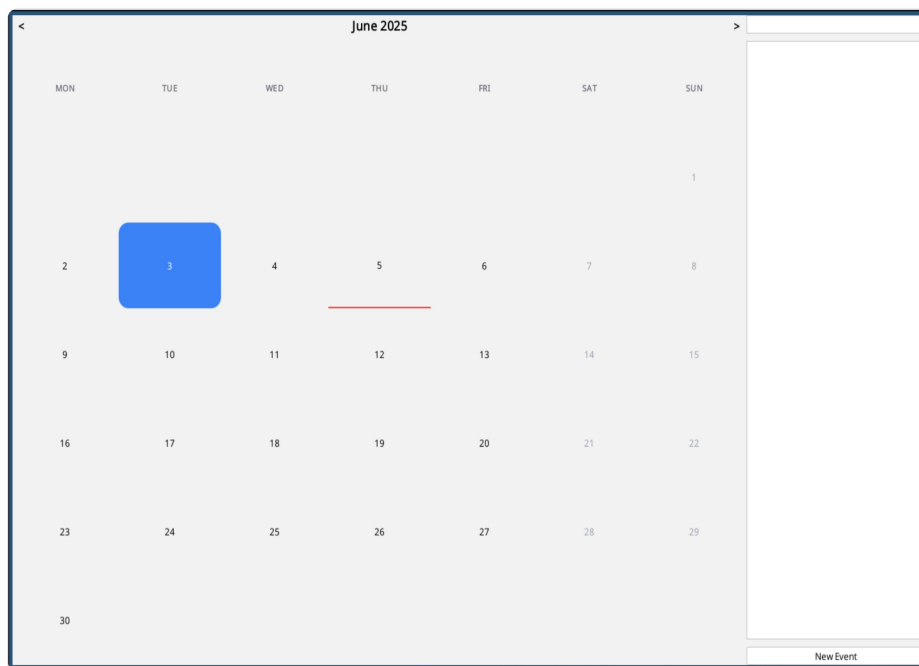


# Just Calendar — User Guide

**Just Calendar** is a lightweight desktop calendar application built with Java 17 and Swing. It stores events locally in an SQLite file and provides a modern FlatLaf interface. This guide explains *how to use each feature* so that new users can be productive quickly.

## 1. Main Window Overview

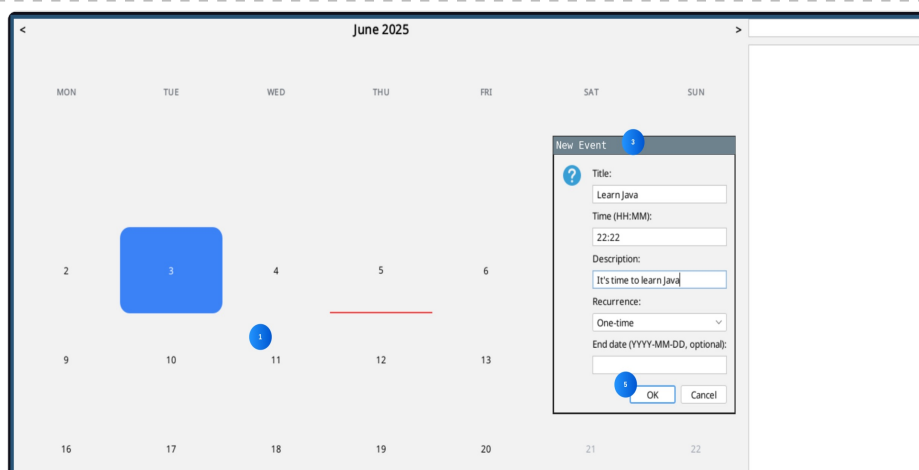


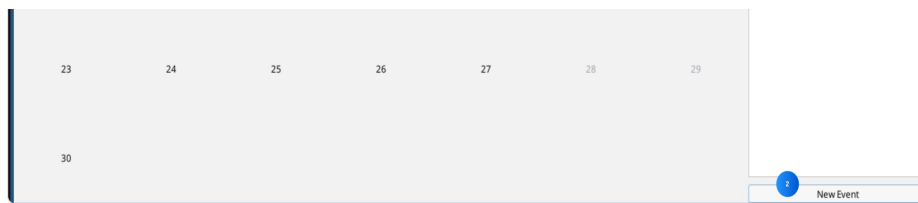
Month grid (left) · Day / search panel (right)

### Key Elements

- **Month Grid** – click any day number to select it. Use / arrows to switch months.
- **Busy-Day Marker** – a red underline indicates at least one event on that day.
- **Day List** – shows all events for the selected date (or search results).
- **Live Search** – start typing in the search field (minimum 2 characters) to filter by title/description.
- **New Event Button** – opens the event dialog pre-filled with the currently selected date.

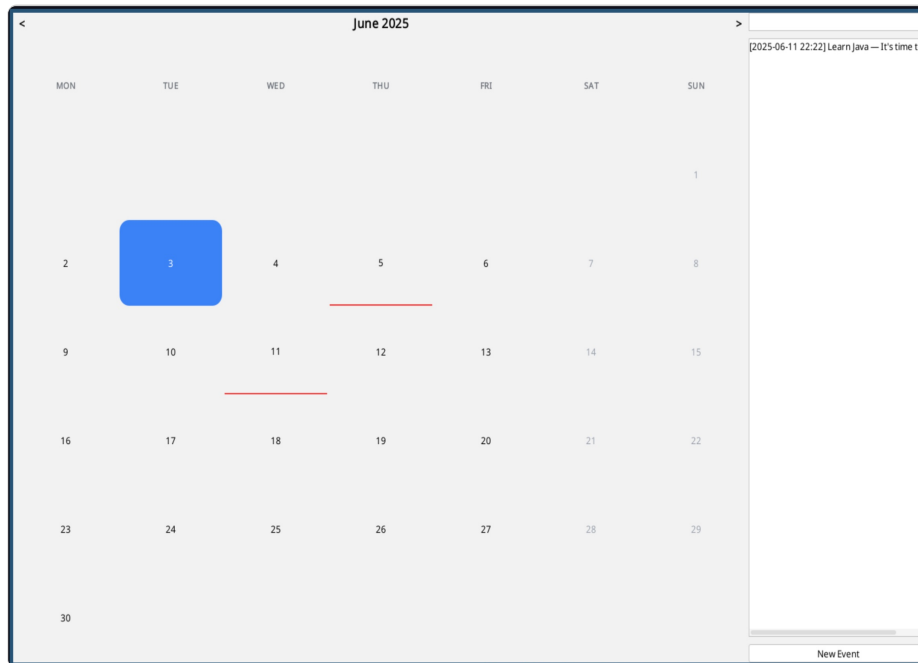
## 2. Creating an Event





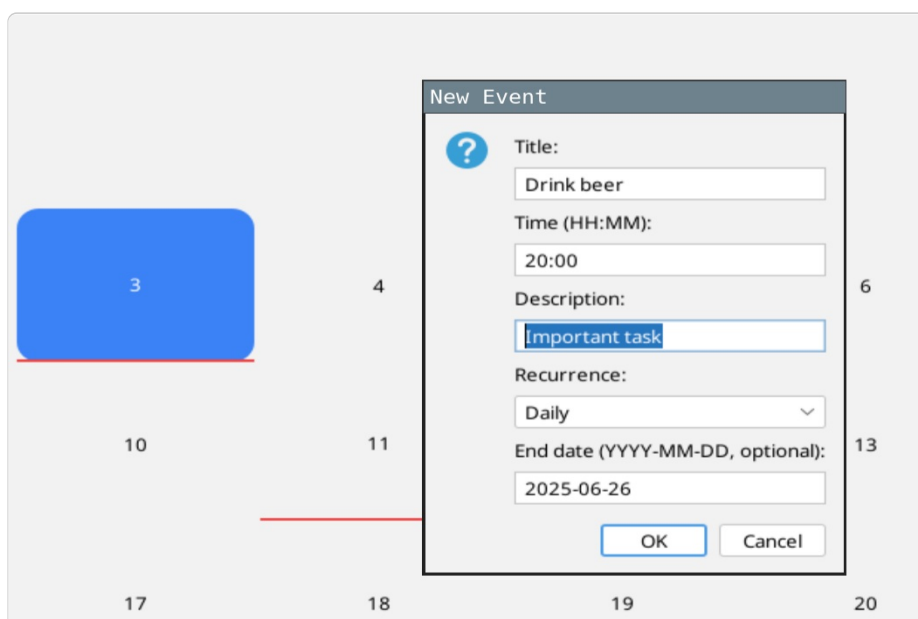
Event dialog for adding a new entry

1. Select the desired day in the month grid.
2. Click *New Event* (bottom-right).
3. Fill in **Title**, **Time** ( HH:MM ), optional description.
4. Choose a **Recurrence** pattern and (optional) **Until** date.
5. Press OK. The event appears in the day list and the day gets an underline.



A new entry

### 3. Recurring (Series) Events



Select a recurrence rule and optional end date

Just Calendar supports five recurrence patterns:

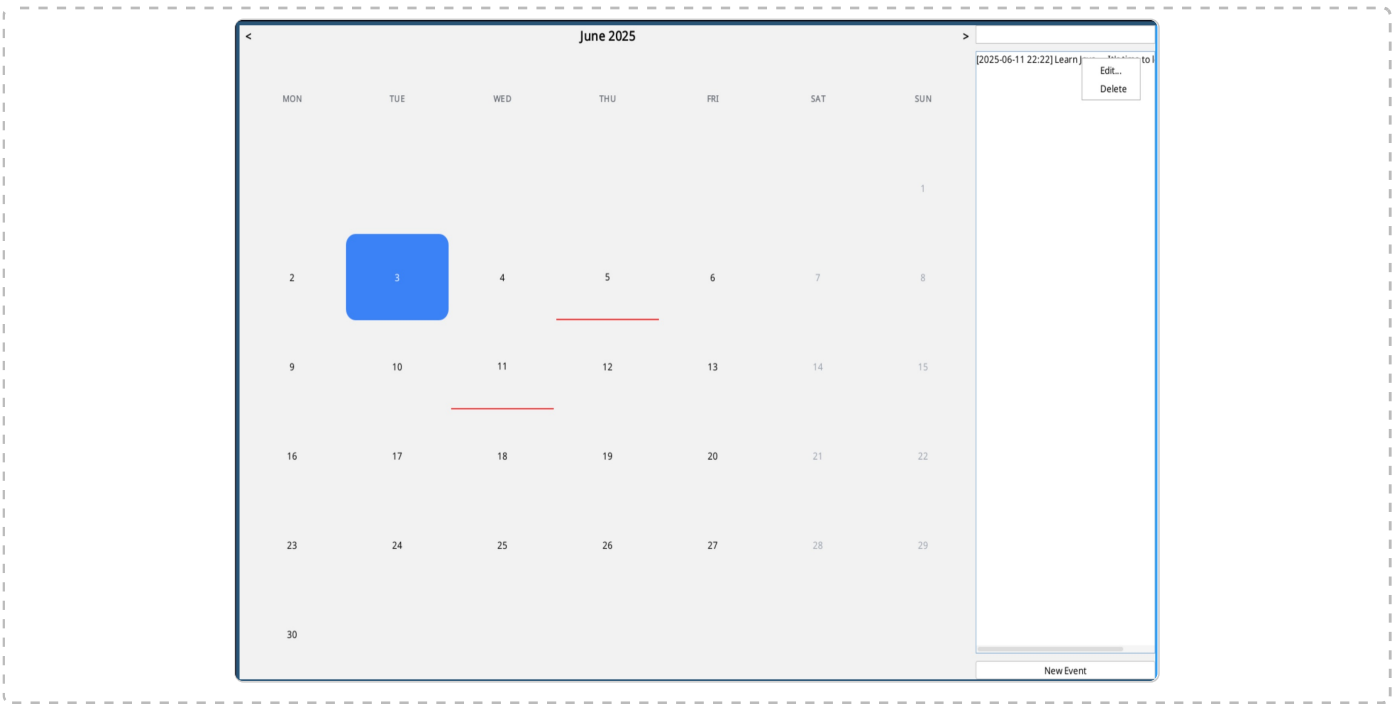
- **None** – one-time event.
- **Daily** – repeats every day at the same time.
- **Weekly** – repeats every seven days (same weekday).
- **Monthly** – repeats on the same calendar day each month.
- **Yearly** – repeats on the same month/day each year.

Optionally set an **Until** date to stop the series. Recurring events are expanded on-the-fly: the month view shows busy markers for each occurrence, and reminders trigger for every generated instance.



Busy markers for a weekly series across the month

## 4. Editing or Deleting Events



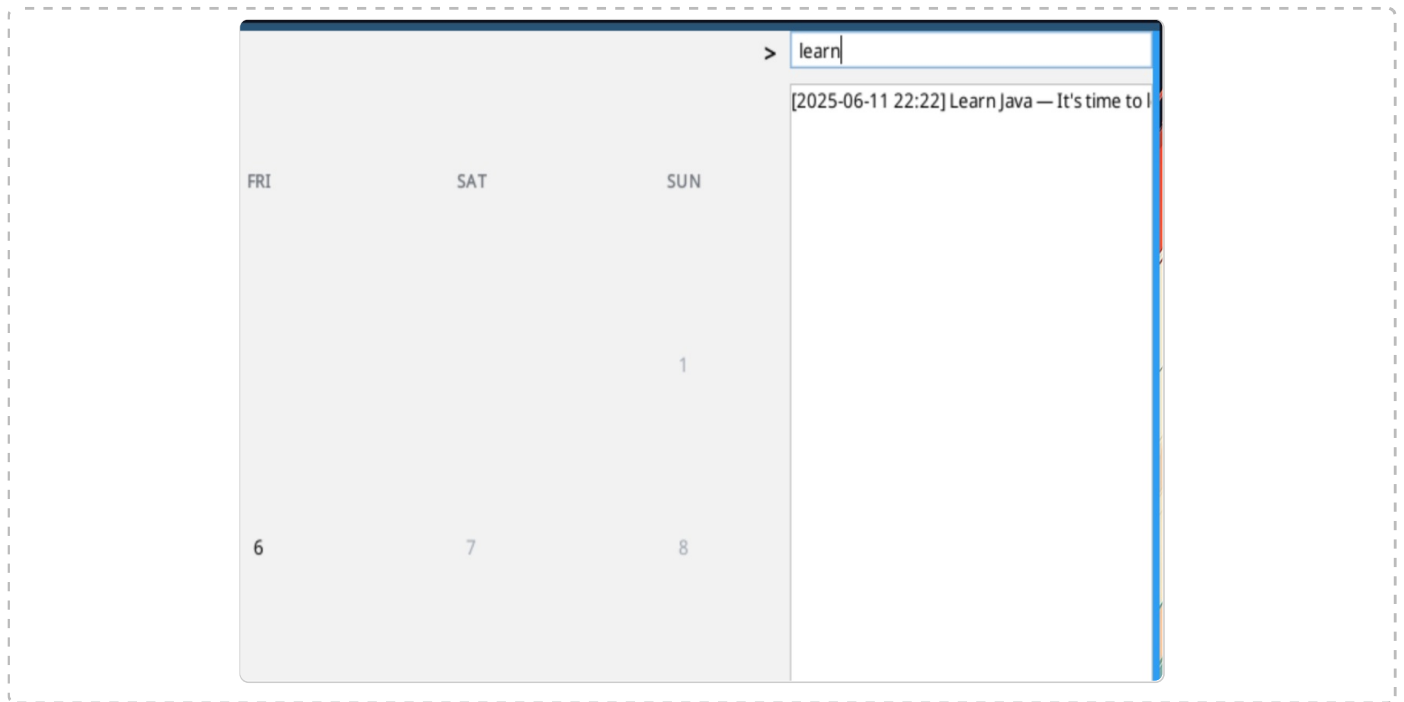
Edit or delete via double-click or context menu

- **Edit** – double-click a list entry (or pick *Edit...* from right-click menu). Change fields and save. Be really sure that you have selected the event otherwise nothing will happen.
- **Delete** – right-click the entry and choose *Delete*; confirm when asked. Be really sure that you have selected the event

otherwise nothing will happen.

- The busy underline is updated automatically after edits or deletions.

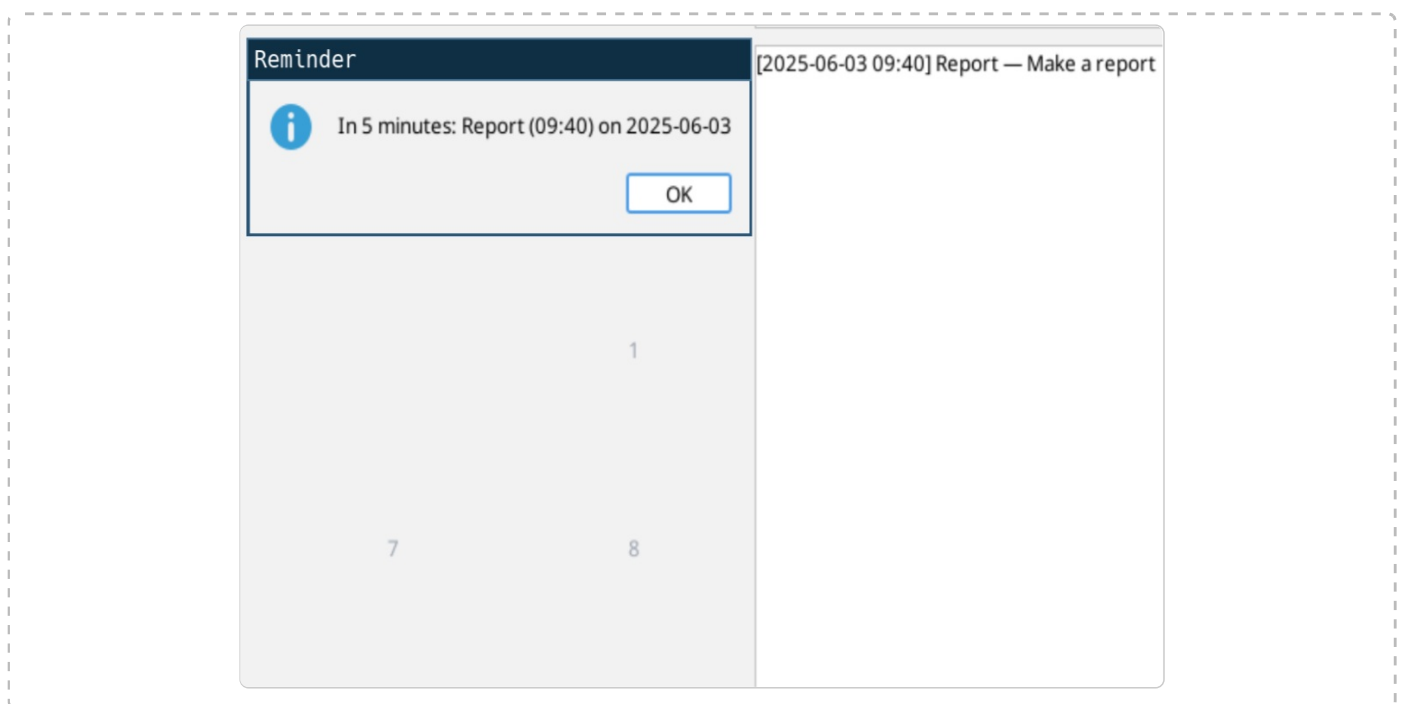
## 5. Live Search



Results list ordered chronologically

Type at least two characters; results update instantly. Editing/deleting a result works the same way as in normal day view. Clear the search box to return to the selected date.

## 6. Reminder Pop-ups



Appears 5 minutes before start time

Every 30 seconds the background service checks for events starting within the next five minutes. Each event triggers only one pop-up per day.

## 7. Persistence & Technology Stack

- **Language / GUI:** Java 17 · Swing · FlatLaf 3.4
- **Database:** local SQLite file ( `calendar.db` ) via `sqlite-jdbc`
- **Build Tool:** Maven 3.9 – run with `mvn clean compile exec:java`
- **Repo:** [github.com/ansnsr42/just\\_calendar](https://github.com/ansnsr42/just_calendar)

## 8. Quick Start

```
# 1. Clone the repository
git clone https://github.com/ansnsr42/just_calendar.git
cd just_calendar
```

```
# 2. Build and launch
mvn clean package # compiles into target/
mvn exec:java # starts the calendar
```

*Tip:* On first launch an empty `calendar.db` is created automatically.