

SelfMemo3: Online Email Reminder Service

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Overview

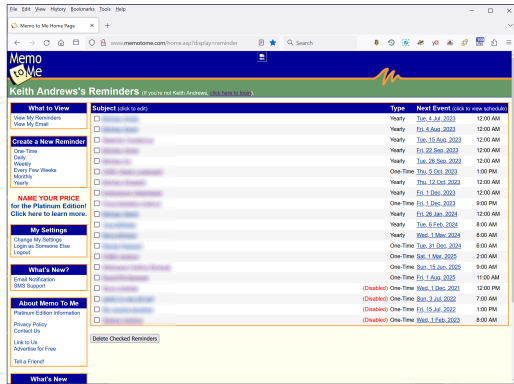
1. Related Work
2. SelfMemo3
3. Future Work

1. Related work



MemoToMe

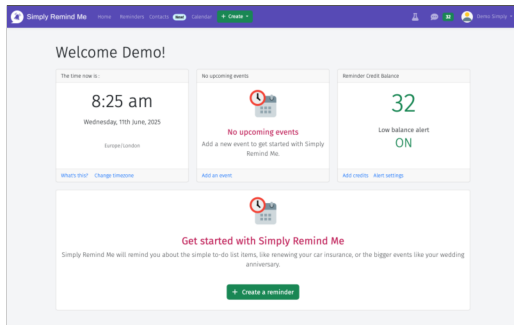
- Online email reminder service.
- One time or recurring alerts.
- Free basic email reminders.
- Premium features like customized email titles and clickable links.
- Discontinued: stopped sending reminders and no support response.



MemoToMe Dashboard (screenshot taken by and used with permission of
Keith Andrews).

Simply Remind Me

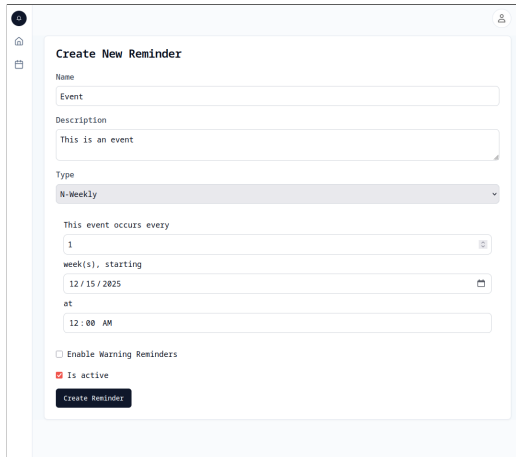
- Reminder emails to any email address.
- Setup recurring email reminders to send daily, weekly, monthly or yearly reminders.
- Access from any device with a web browser.



Simply Remind Me Dashboard.

SelfMemo2

- Open-source, self-hosted email reminder service.
- Web-based, built with Next.js.
- Designed to replace discontinued services like MemoToMe.



The screenshot displays the 'Create New Reminder' interface of the Self Memo 2 application. On the left, a sidebar contains three icons: a user profile, a home icon, and a calendar icon. The main content area is titled 'Create New Reminder' and includes the following fields and controls:

- Name:** A text input field containing the word 'Event'.
- Description:** A text input field containing the text 'This is an event'.
- Type:** A dropdown menu currently set to 'N-Weekly'.
- This event occurs every:** A text input field containing the number '1'.
- week(s), starting:** A text input field containing the date '12 / 15 / 2025'.
- at:** A text input field containing the time '12:00 AM'.
- Enable Warning Reminders:** An unchecked checkbox.
- Is active:** A checked checkbox.
- Create Reminder:** A dark button at the bottom of the form.

Self Memo 2 Application Screenshot.

Tools Required for SelfMemo2

- GitHub for code hosting and distribution.
- Vercel for app deployment.
- Neon for hosting the PostgreSQL database.
- cron-job.org for triggering the reminder procedure via a cron job.
- Any kind of SMTP-Service for sending reminder notifications.

SelfMemo2 Features

- Reminder types and scheduling.
- Warning reminders.
- User profile management.
- Minute-based reminder intervals.
- Email notifications for reminders.

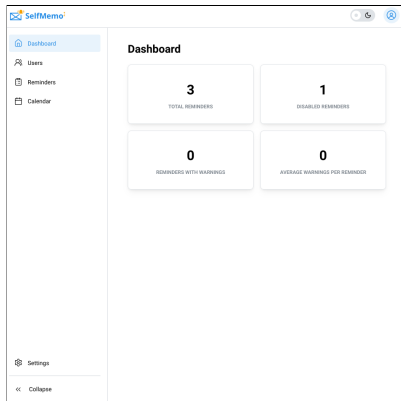
2. SelfMemo3

Setup Changes

- Majority of deprecated packages updated.
- Remaining warnings seem to come from other packages.
- Created setup script for local hosting:
 - Local Postgres DB.
 - Local Cronjob alternative.
 - Service wrappers for application and cronjob.
- Mantine components to provide consistency and accessibility.
- Local JSON database alternative.

Application


- Github:
<https://github.com/StofflR/Self-Memo-3>
- Flexible setup options:
 - Database
 - Cronjob
 - Hosting
- Local build running:
<https://memo3.stofflnet.work/>





Self Memo 3 Application Screenshot.


Demo


Showcase: <https://youtu.be/1IQkdt9vixs>





 Dashboard

 Users

 Reminders

 Calendar

 Settings

 Collapse

Calendar

Jan 1

00:00 Test

ACTIVE

Jan 2

00:00 Test

ACTIVE

Jan 3

00:00 Test

ACTIVE

Jan 4

00:00 Test

ACTIVE

Jan 5

00:00 Test

ACTIVE

Jan 6

00:00 Test

ACTIVE

Jan 7

00:00 Test

ACTIVE

Jan 8

00:00 Test

ACTIVE

Jan 9

00:00 Test

ACTIVE

Jan 10

00:00 Test

ACTIVE

Jan 11

00:00 Test

ACTIVE

Jan 12

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Jan 13

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Jan 14

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Jan 15

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Jan 16

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ACTIVE

Jan 17

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Jan 18

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ACTIVE

Jan 19

00:00 Test

ACTIVE

Jan 20

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ACTIVE

Jan 20

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Jan 21

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Jan 22

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Jan 23

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Jan 24

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Jan 25

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Jan 26

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ACTIVE

Jan 27

00:00 Test

ACTIVE

Jan 28

00:00 Test

ACTIVE

Jan 29

00:00 Test

ACTIVE

Jan 30

00:00 Test

ACTIVE

Jan 31

00:00 Test

ACTIVE

New Features

- Remind until.
- Adapting reminders to current timezone.
- Calendar date picker.
- Customizable email templates.
- Dark/light mode.
- Multi user reminder with notification on modified.
- Import/export reminders to JSON.
- Visual calendar view for reminders.

Deployment Options

- Python Scripts:
 - Full Linux Deployment
 - Optional cronjob.
 - Optional database.
 - Auto-start services.
 - Build and Run
- Vercel

3. Future Work



Potential Improvements

- Github pages with secret environment keys.
 - Difficult to create a fully static build due to Next.js.
- Add variable input fields for email templates.
- Selection of date format.