



Death Notes

“Some words are too important to be left unsaid”

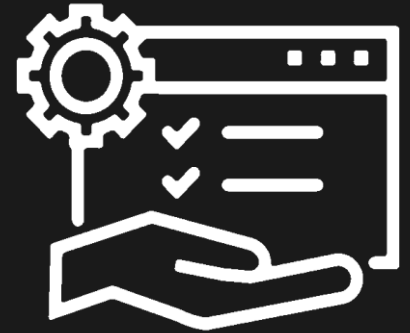
Overview

- A digital safety net for scheduled messaging:
 - **Final Words:** Users can schedule messages that will be released after a defined period of inactivity, with a customizable delay.
 - **Time Capsule:** Users can schedule messages for delivery at a specific future date and time.
- Automate life's important messages – from last words to financial details or personal reflections, delivered exactly when intended.
- A blend of practicality and emotional depth – because in an unpredictable world with an inevitable end, some words should never go unread.

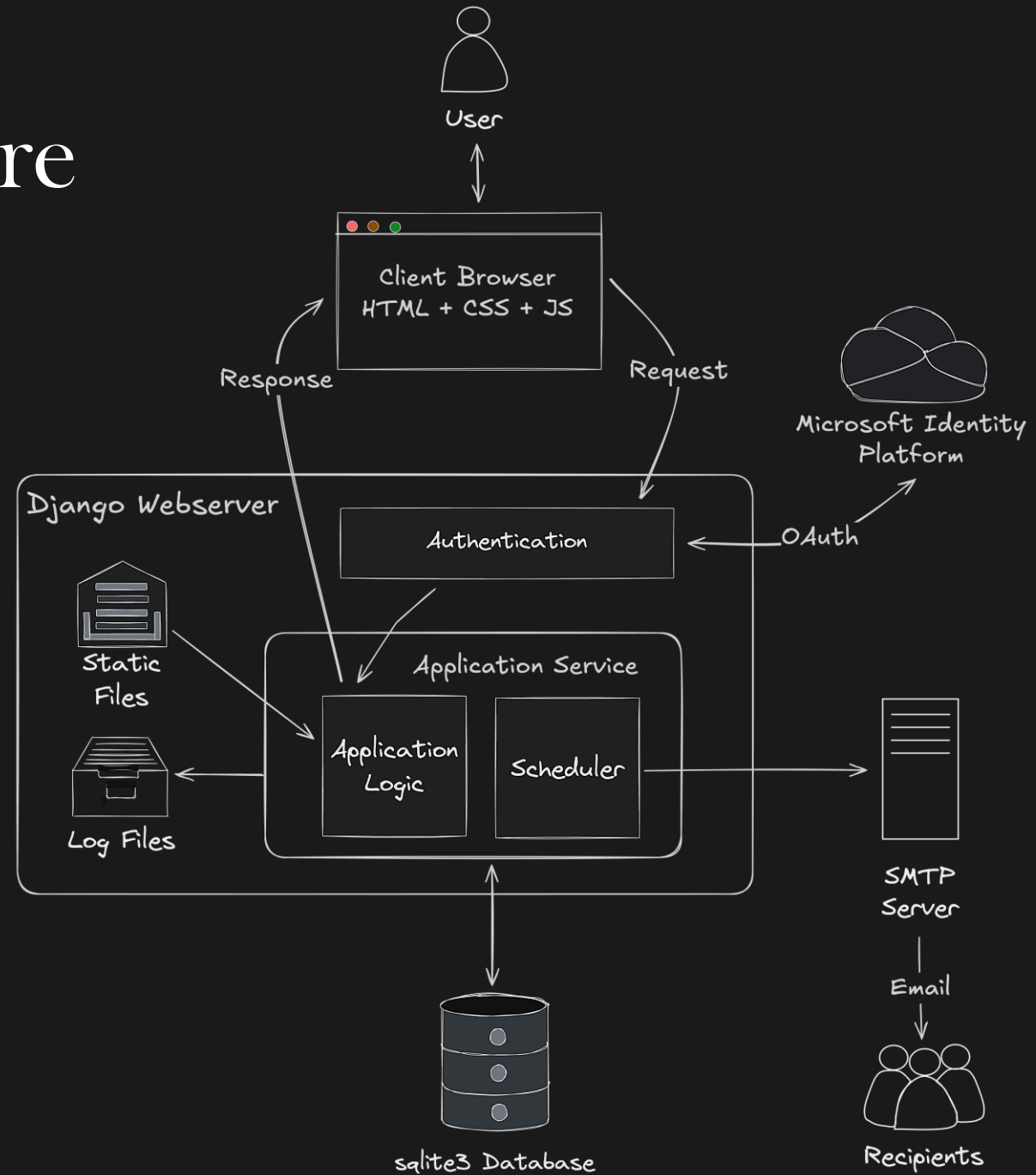


Requirements

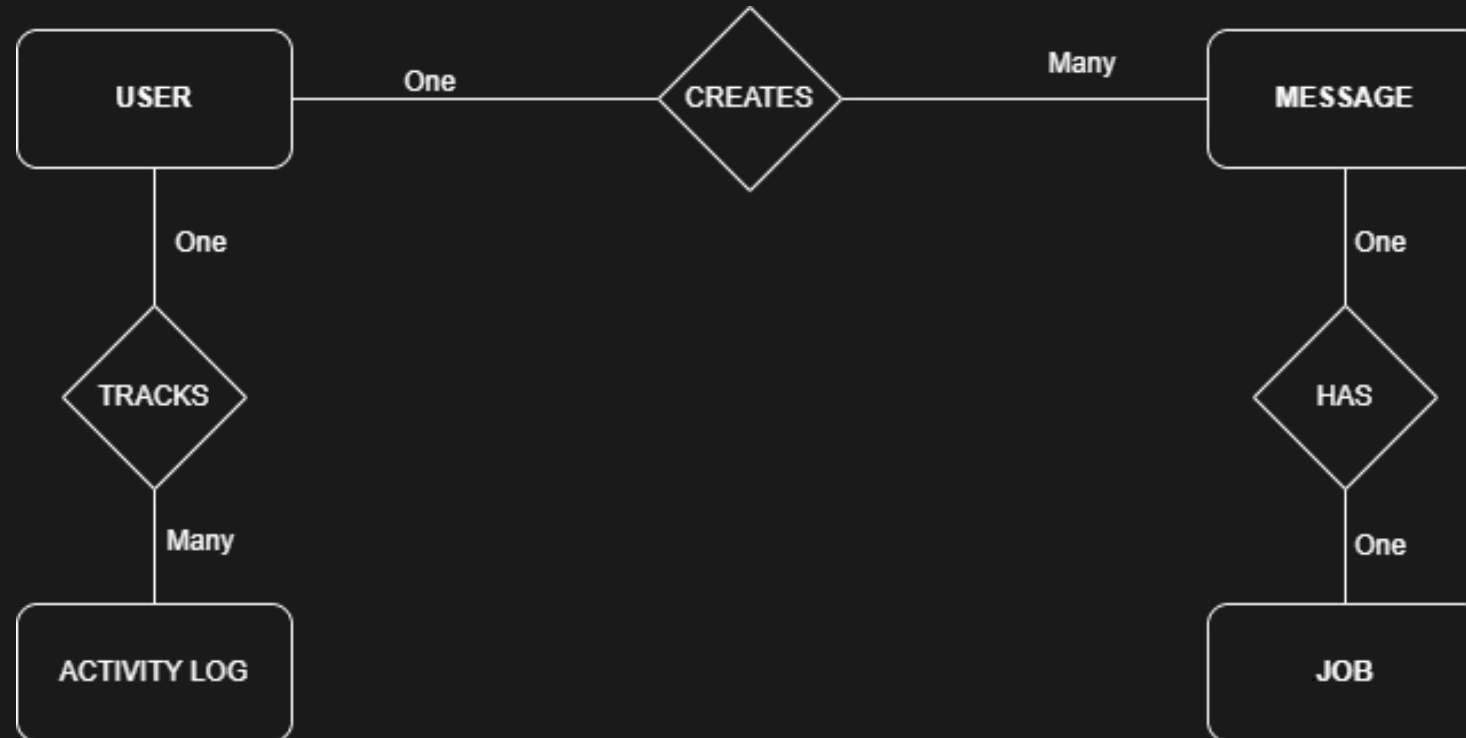
- Users must be able to log in using Microsoft Single Sign-On to create or access their account.
- Users must be able to log out of their account.
- Users must be able to set a custom inactivity period.
- Users must be able to schedule *Final Words* messages to recipients with a customizable delay triggered after the inactivity period.
- Users must be able to schedule *Time Capsule* messages to recipients for a specific future date and time.
- Users must be able to view, edit and delete scheduled messages.
- Users must be able to view their activity log and message statuses on a dashboard.



System Architecture Diagram



Entity Relationship Diagram



Entities

USER

id (PK)	integer	Unique identifier for User
first_name	varchar(50)	User's first name
last_name	varchar(50)	User's last name
email	varchar(50)	User's email for authentication
interval	integer	Number of days after which the user is considered inactive

ACTIVITY LOG

id (PK)	integer	Unique identifier for ActivityLog
user_id (FK)	integer	Reference to User [id]
timestamp	timestamp	Time of the activity
type	enum	Type of the activity [CHECKED_IN MESSAGE_CREATED MESSAGE_DELIVERED]
description	text	Description of the activity

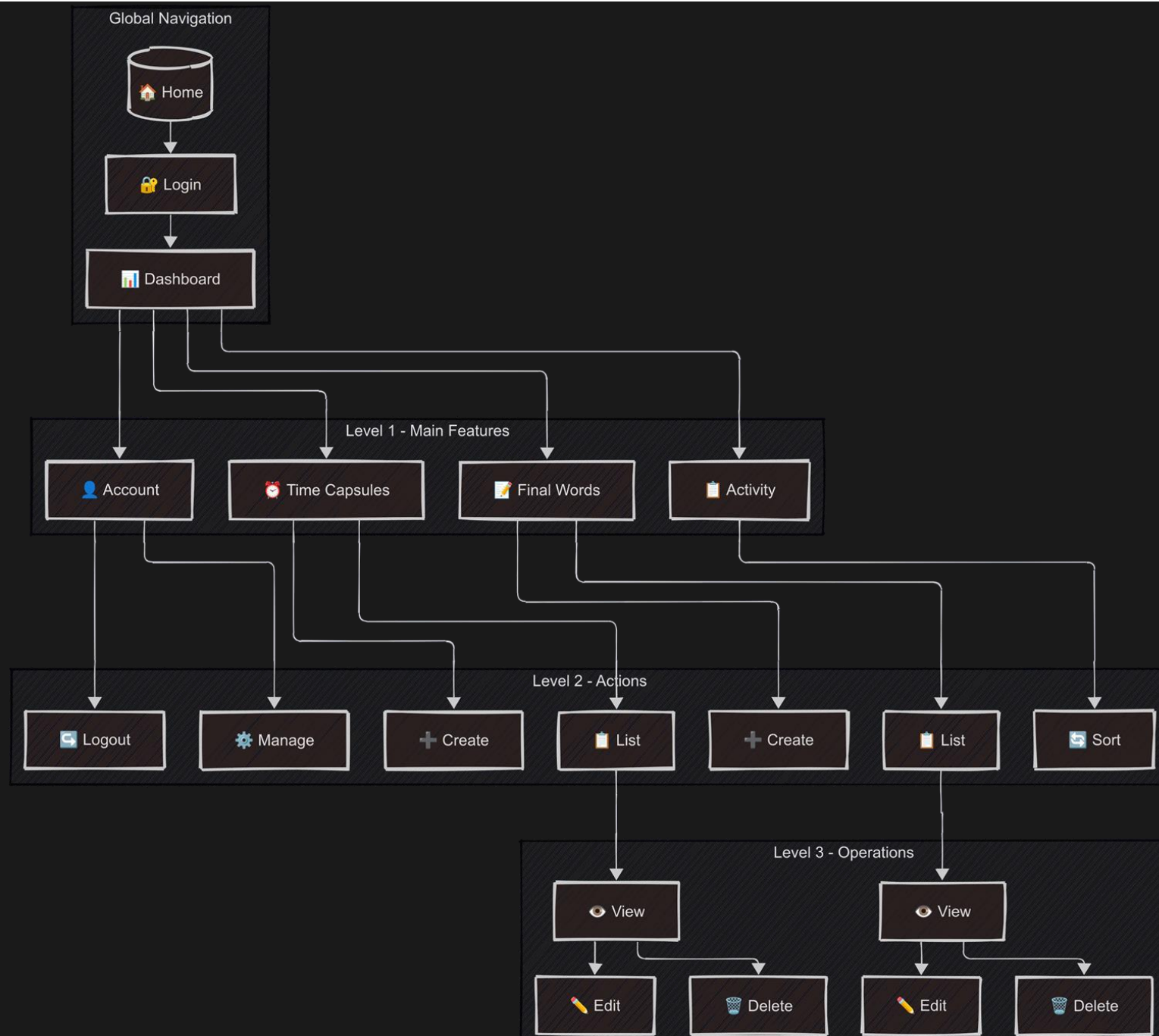
MESSAGE

id (PK)	integer	Unique identifier for Message
user_id (FK)	integer	Reference to User [id]
type	enum	Type of message [FINAL_WORDS TIME_CAPSULE]
recipients	text	Comma-separated list of message recipients
status	enum	Current status of the message [SCHEDULED DELIVERED]
subject	varchar(100)	Message title (Email Subject)
content	text	Content of message (Email Body)
delay	integer	Delay before sending message for FINAL_WORDS (in days)
scheduled_at	timestamp	Date of delivery of the message for TIME_CAPSULE

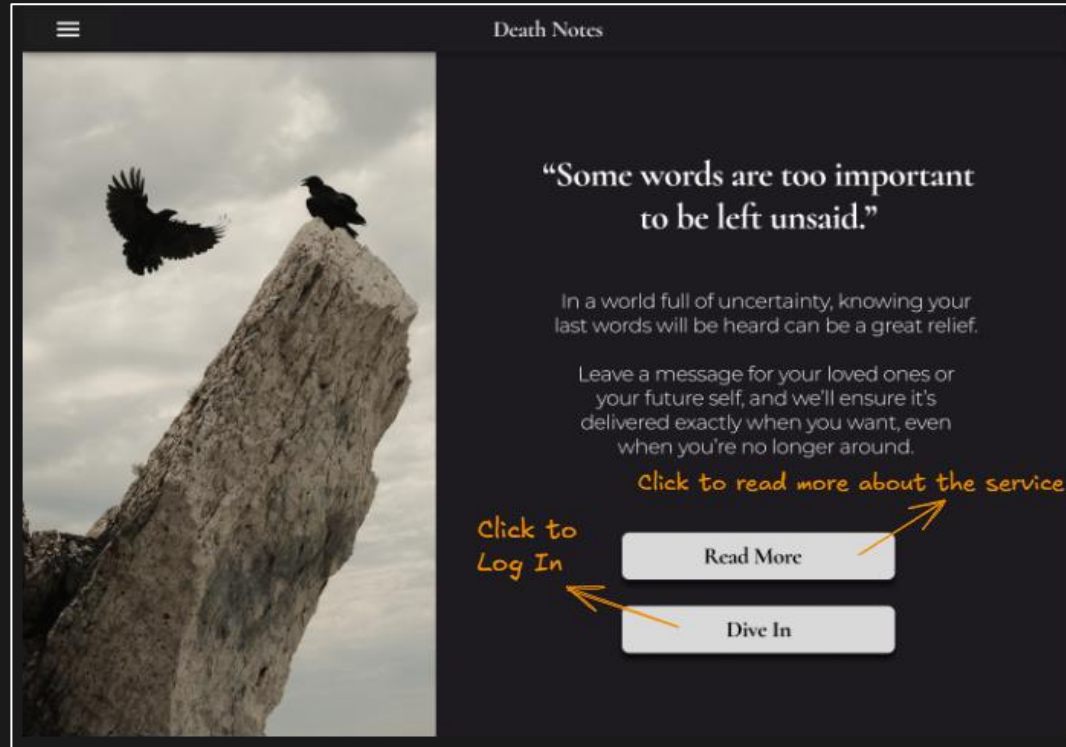
JOB

id (PK)	integer	Unique Identifier for Job
message_id (FK)	integer	Reference to Message [id]
scheduled_at	timestamp	Scheduled time of job execution
is_completed	boolean	Completion status of the job

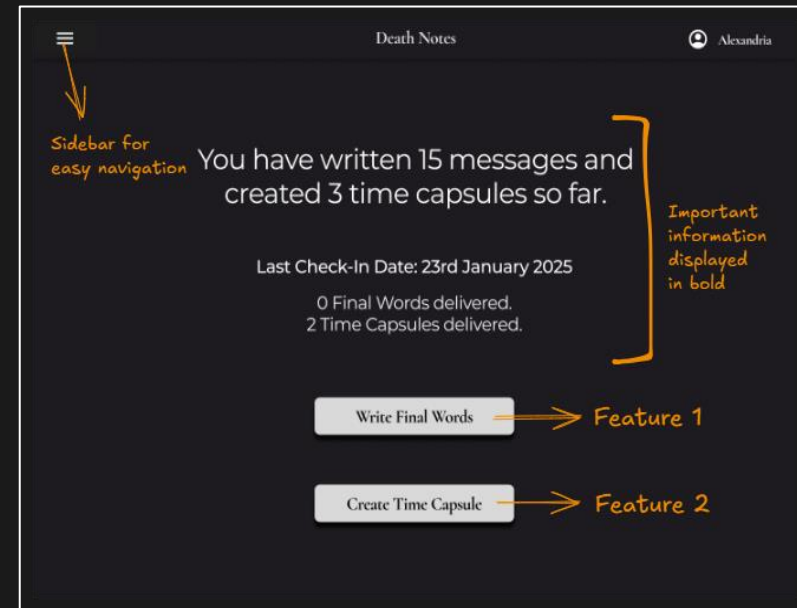
Site Map



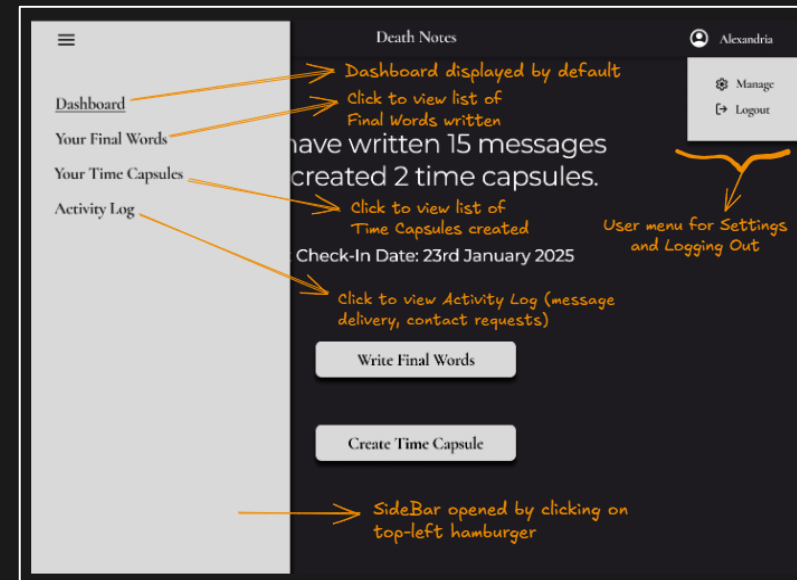
Wireframes



1. Home Page

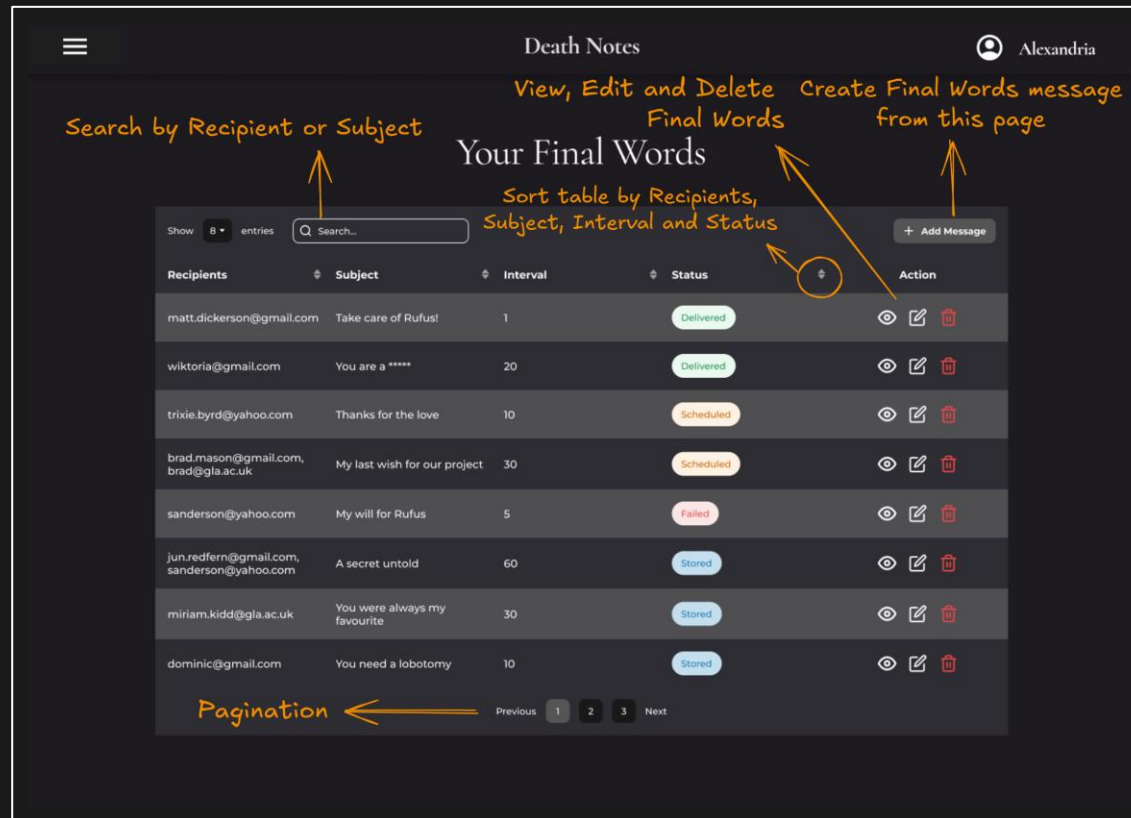


2. User Dashboard (After Login)

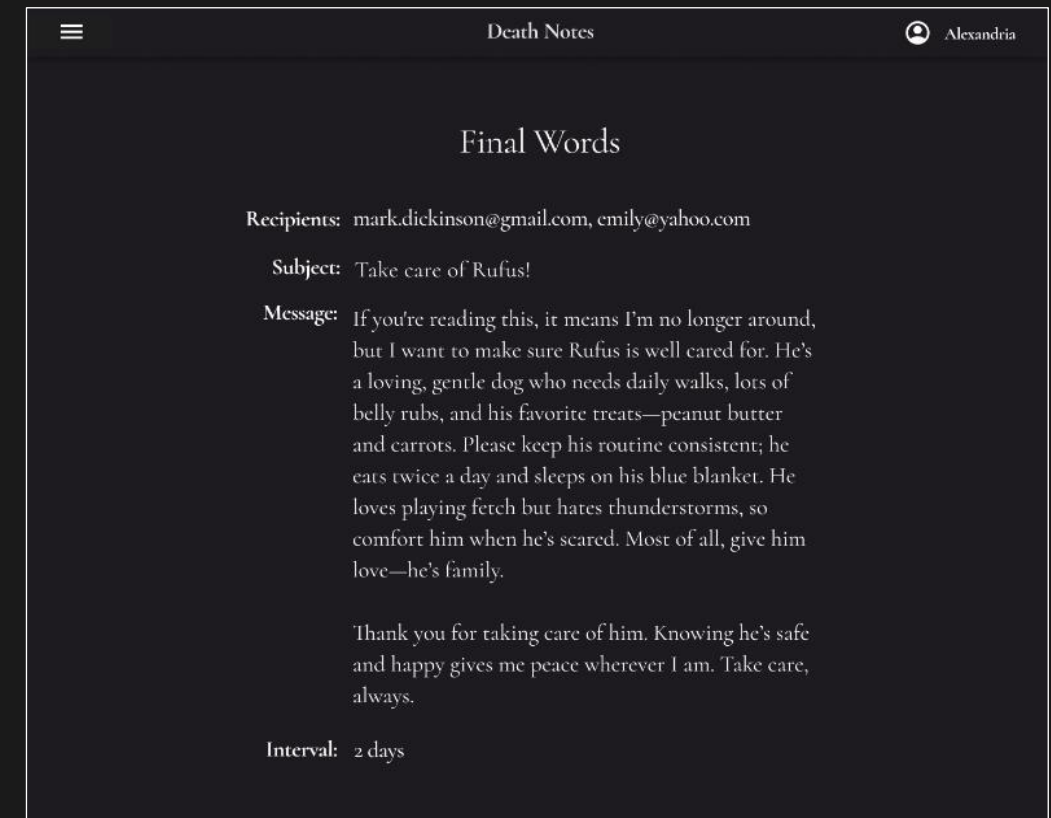


3. Sidebar

Wireframes



4. View All Final Words



5. View a Final Words message

Similar “View All” and “View” wireframes for the Time Capsule feature.

Wireframes

☰

Death Notes

👤 Alexandria

Enter one or more recipient email IDs

Write a message with your final words

Recipients:

Subject:

Message:

Interval: days

Create

Enter the number of days following which the message is sent after last contact

Create button for saving new Final Words message

6. Create Final Words message

☰

Death Notes

👤 Alexandria

List of recipients

Edit your final words

Recipients:

Subject:

Message:

If you're reading this, it means I'm no longer around, but I want to make sure Rufus is well cared for. He's a loving, gentle dog who needs daily walks, lots of belly rubs, and his favorite treats—peanut butter and carrots. Please keep his routine consistent; he eats twice a day and sleeps on his blue blanket. He loves playing fetch but hates thunderstorms, so comfort him when he's scared. Most of all, give him love—he's family. Thank you for taking care of him. Knowing he's safe and happy gives me peace wherever I am. Take care, always.

Interval: days

Save

Text Field for Email Subject

Save button for updating Final Words

Text Area for large chunks of text

7. Edit Final Words message

Wireframes

Death Notes

Alexandria

Create a Time Capsule

Recipients:

Enter Email IDs

Subject:

Enter Email Subject

Message:

Write your message...

Scheduled For:

Date

17/08/2025

DD/MM/YYYY

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Clear

Cancel

OK

Create

8. Create Time Capsule

Death Notes

Alexandria

Edit your time capsule

Recipients:

mark.dickinson@gmail.com

emily@yahoo.com

Subject:

Hello from 2025!

Message:

Hey friends,
If you're reading this, I guess I've traveled ahead of you in time—one way or another. I just wanted to say thank you for the laughs, the adventures, and the moments that made life unforgettable. I hope you're all doing amazing, chasing dreams, and finding happiness in the little things. Keep supporting each other, making ridiculous jokes, and never forgetting that life is meant to be lived fully. If I could, I'd raise a glass with you right now. So do me a favor—celebrate today, because tomorrow is never promised. Love you all, always.
— Me

Scheduled For:

Date

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Clear

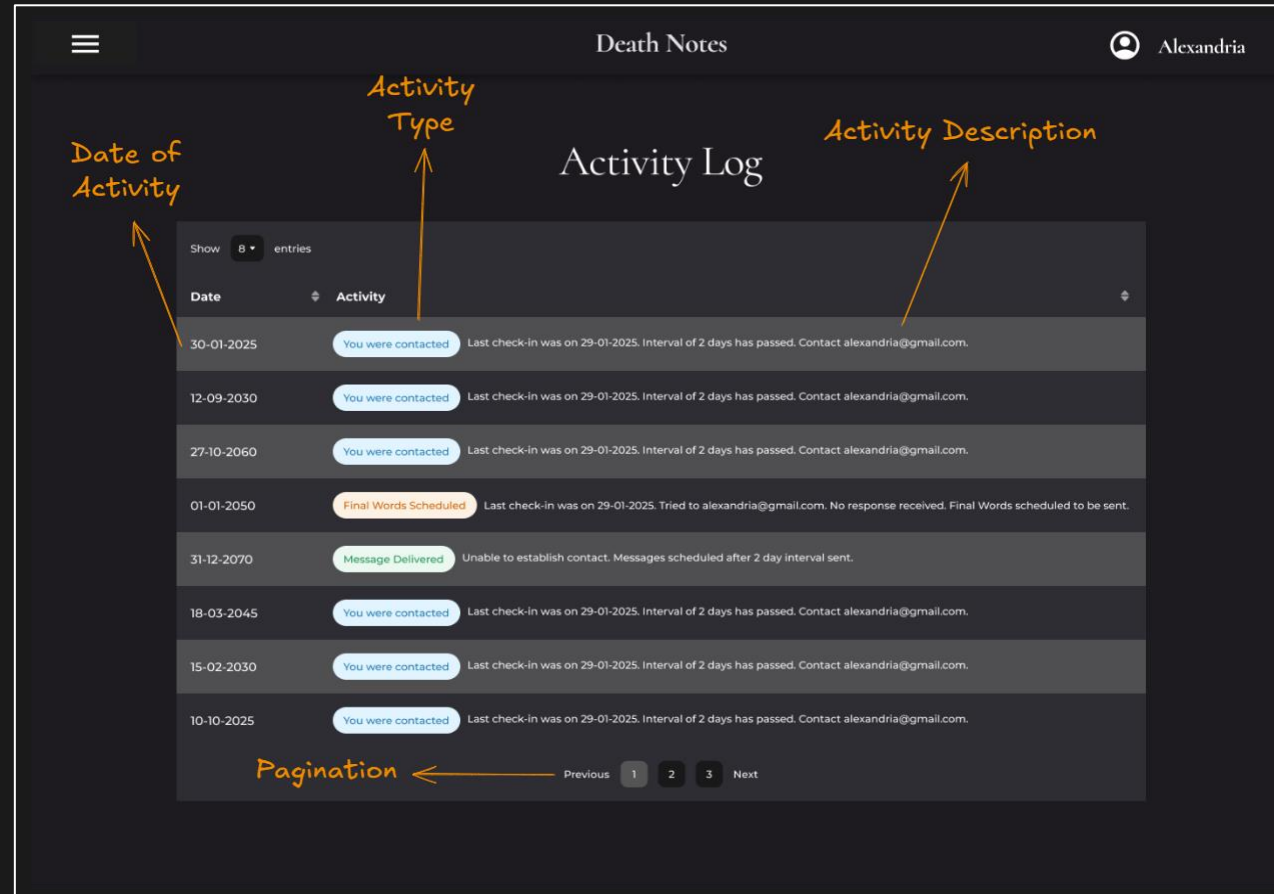
Cancel

OK

Save

9. Edit Time Capsule

Wireframes



10. Activity Log displaying activities like user check-in and delivery of messages

Appendix

- Arshia Kaul (2976917K) – 33.33%
 - Wireframes, Editing
- Harish Ravichandran (2973284R) – 33.33%
 - Requirements, Entity Relationship Diagram
- Siddhartha Pratim Dutta (2897074D) – 33.33%
 - Overview, System Architecture Diagram, Site Map

