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Software Name	Note-It			

1 Introduction

1.1 Objective

This document proposes an open-source software system that allows users to create and save personal journal entries. The data entered by a user is stored in the database. This system provides people the option to edit previous journal entries more easily and serves as a free desktop application. The client and designers are the audience of this document.

1.2 References

N/A

1.3 Acronyms, and Abbreviations

N/A	N/A

2 Software Overview

2.1 Problem Statement

Throughout the day, people have important information, reminders, and thoughts that they want to write down and review later. Since more people are utilizing computers and technology these days, it would be very convenient for an application to accommodate these needs. Also, since the journal entries will be saved in a database, the user and their close friends and family can access them later and edit them if needed. This software will be open source, enhancing the journaling experience and providing ease of use.

2.2 Scope

The users of this application will include the general public that have basic knowledge about computers.

2.3 Functional Requirements

1. The software will require the user to input a default password, if they are a first-time user, then prompt the user to create a new password.
2. The software will allow the user to create new journal entries.
3. The software will allow the user to save their journal entries for future reference.
4. The software will allow the user to search a substring in the entry or by the entry's title.
5. The software will allow the user to edit or delete the entry at a later time.
6. The software will allow the user to reset or change the password.
7. The software will allow the user to logout after a successful login.

3 Use Cases

Use Case Name	UC-01: Login as Existing User

Goal	
The user provides password and logs in to the application	

Participating Actors	
User, System	

Glossary	
N/A	

Primary Flow of Events	

Trigger	
User launches the application	

Steps	Action	System Response
1	User launches the application	System displays the login page with a text input field and prompts for password entry
2	User inputs password into text input field and clicks "Login" button.	Upon match, system allows user entry into application

Alternative Flow of Events		
Alternative Trigger		
User enters incorrect password		
Steps	Action	System Response
1	User inputs incorrect password into text input field.	
2	User clicks "Login" button.	Upon no match, system displays "Incorrect password" and allows the user to re-enter password

Use Case Name	UC-02: Searching for Journal Entry

Goal

The user searches for a specific journal entry within the system

Participating Actors

User, System

Glossary

N/A

Primary Flow of Events

Trigger

User clicks on the "Search" button on the Search page

Steps	Action	System Response
1	User clicks on the "Search" button on the homepage.	System redirects the user to the Search page that displays a search bar.
2	User enters keywords in the search bar (ex. title, substring of context).	
3	User clicks on the "Search" button	System displays a table of matching journal entries.

Alternative Flow of Events

Alternative Trigger

User's search criteria do not match any existing files.

Steps	Action	System Response
1	User enters keywords in the search bar (ex. title, substring of context).	
2	User clicks on the "Search" button	System displays an empty table with the message: "No content in table".

Use Case Name	UC-03: Creating and Saving Journal Entry

Goal

The user creates a new journal entry, enters information for the title, date-time and context, and saves the journal entry

Participating Actors

User, System

Glossary

N/A

Primary Flow of Events

Trigger

User clicks "Create New Entry" button on the homepage

Steps	Action	System Response
1	User clicks "Create New Entry" button on the homepage	System redirects the user to a new page where they can fill out information for a journal entry.
2	User fills out title, date-time, context	
3	User clicks "Save" button	System redirects the user to the homepage and stores information entered by the user as a new file in the database.

Alternative Flow of Events

Alternative Trigger

User does not fill out title, date-time, context

Steps	Action	System Response
1	User does not fill out title, date-time, context	
2	User clicks "Save" button	System redirects the user to the homepage and stores the entry as a new file in the database. Since the user has not entered any information, the new file still contains the default date-time for the journal entry.

Use Case Name	UC-04: Editing Journal Entry

Goal

The user selects a journal entry to edit, makes any desired changes, and saves the edited journal entry

Participating Actors

User, System

Glossary

N/A

Primary Flow of Events

Trigger

User searches for the entry they will edit

Steps	Action	System Response
1	User clicks on the "Search" button on the homepage	
2	User inputs keywords for the entry they will edit in the search bar (ex. title, substring of entry content)	
3	User clicks on the "Search" button	System displays a table of matching journal entries.
4	User clicks on the specified journal entry	
5	User clicks "Edit" button	System redirects the user to a new page populated with the information corresponding to the selected entry.
6	User makes changes to title, date-time and/or entry contents	
7	User clicks "Save" button	System saves the edited entry. It updates the entries displayed and redirects the user back to the home page.

Alternative Flow of Events

Alternative Trigger

User does not select a journal entry from the table

Steps	Action	System Response
1	User does not click on a journal entry	
2	User clicks on the "Edit" button	System recognizes that no journal entry has been selected for editing. System does nothing.

Use Case Name	UC-05: Deleting Journal Entry

Goal

The user should be able to delete an old entry after searching for it.

Participating Actors

User, System

Glossary

N/A

Primary Flow of Events

Trigger

User searches for the entry they will delete

Steps	Action	System Response
1	User clicks on the "Search" button on the homepage	System redirects the user to the Search page that displays a search bar.
2	User inputs keywords for the entry they will delete in the search bar (ex. title, substring of entry content)	
3	User clicks on the "Search" button	System displays a table of matching journal entries.
4	User clicks on the specified journal entry	
5	User clicks on the "Delete" button	System deletes the selected journal entry from the table and updates the entries displayed.

Alternative Flow of Events

Alternative Trigger

User does not select a journal entry from the table

Steps	Action	System Response
1	User does not click on a journal entry	
2	User clicks on the "Delete" button	System recognizes that no journal entry has been selected for deletion. System does nothing.

Use Case Name	UC-06: Changing Password

Goal
The user changes their password

Participating Actors
User, System

Glossary
N/A

Primary Flow of Events

Trigger

User clicks the "Change Password" button on the homepage

Steps	Action	System Response
1	User clicks the "Change Password" button on the homepage.	System redirects the user to a new page where they can fill out their old password, new password, security question and security answer.
2	User fills out the old password, new password, security question and security answer and confirms the new password.	
3	User clicks the "Submit" button.	System checks that the old password was correctly entered and the new password is confirmed. It stores the new password entered by the user and redirects the user to the homepage.

Alternative Flow of Events

Alternative Trigger

User inputs the incorrect security information (eg. enters old password incorrectly and/or fails to confirm the new password)

Steps	Action	System Response
1	User inputs the security information incorrectly.	
2	User clicks the "Submit" button.	System checks that the old password was correctly entered and the new password is confirmed. It displays a message warning the user that the security information provided is invalid. It allows the user to re-enter their information.

Use Case Name	UC-07: Forgetting Password

Goal
The user resets their password since they have forgotten the existing password

Participating Actors
User, System

Glossary
N/A

Primary Flow of Events

Trigger

User clicks on "Forgot Password?" hyperlink.

Steps	Action	System Response
1	User clicks on "Forgot Password?" hyperlink.	System redirects the user to the Forgot Password page where they are prompted for an answer to their security question as well as a new password.
2	User answers their security question, enters a new password, and confirms the new password.	
3	User clicks the "Reset Password" button.	System checks that the security question was correctly answered and the new password is confirmed. It stores the new password entered by the user. System redirects the user to the Login Page where they can log in to the application with their new password.

Alternative Flow of Events

Alternative Trigger

User inputs the incorrect information (eg. answers security question incorrectly and/or fails to confirm the new password)

Steps	Action	System Response
1	User inputs the incorrect information (eg. answers security question incorrectly and/or fails to confirm the new password)	
2	User clicks the "Reset Password" button.	System checks that the security question was correctly answered and the new password is confirmed. It displays a message warning the user that the security information provided is invalid. It allows the user to re-enter their information.

Use Case Name	UC-08: Login as First-Time User

Goal

The user logs in to the application for the first time

Participating Actors

User, System

Glossary

N/A

Primary Flow of Events

Trigger

User launches the application.

Steps	Action	System Response
1	User launches the application.	System displays the login page with a text input field and prompts for password entry.
2	User enters 'p' as the password.	System redirects the user to the Change Password page.

Alternative Flow of Events

Alternative Trigger

User enters the wrong password.

Steps	Action	System Response
1	User enters the wrong password.	System displays a message: "Password is not correct. Try again." It allows the user to re-enter the password as 'p'.

4 Mockups

Note-It

Welcome

For first-time users, please enter the default password: "p"

Enter Password

Forgot Password

Login

Note-It

Log out

Change Password

Polymorphism

Entries

1 Result Found

CS 151 Lecture 6/30   **Polymorphism** - the masterpiece of OOP....   Date: 06/30/2023

<

Home Page

Note-It

Log out

Change Password

Q Search

Entries

+ **Create New Entry**

New Journal Entry Page

New Title

Date 06/30/2023 ∨

Times New Roman ∨   12 ∨   Cancel   Save

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Add New Page