PROCESS DEFINITION DOCUMENT

SmartNotes

Creation and management of simple notes.

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Contents

DOCUMENT VERSION HISTORY

Version	Author	Date
1.x	Tankiso Thebe	02/05/2024

SIGNED OFF BY

Name	Function	Responsibility

CONTRIBUTORS

Name	Function	Responsibility
Tankiso Thebe	Software Developer	SmartNotes Application
Lebohang Thokoane	Quality Assurance	Access to the app

Current Features analysis

High-level description

The application is used by different users, each with their own user account to create, read and manage notes.

The admin users can also manage other user's accounts and also notes, the system won't allow you to create a note unless the note has the word "Perfect" in its title.

Currently, the normal users can execute these operations:

1. Can register for smartnotes account.
2. Login into smart notes
   a. Create a note.
   b. Read a note.
   c. Update a note.

d. Delete a note.

Systems involved.

| System	Used for	User role needed
Django Admin	Manage the smartnotes application users and notes.	The user must have admin access.
Notes	Displaying the notes, creating new notes, updating notes, deleting notes for the logged in user.	The user must have a user account (username and password)

Process flow.

Here is a description of the process in the form of a flow chart:

Flow chart
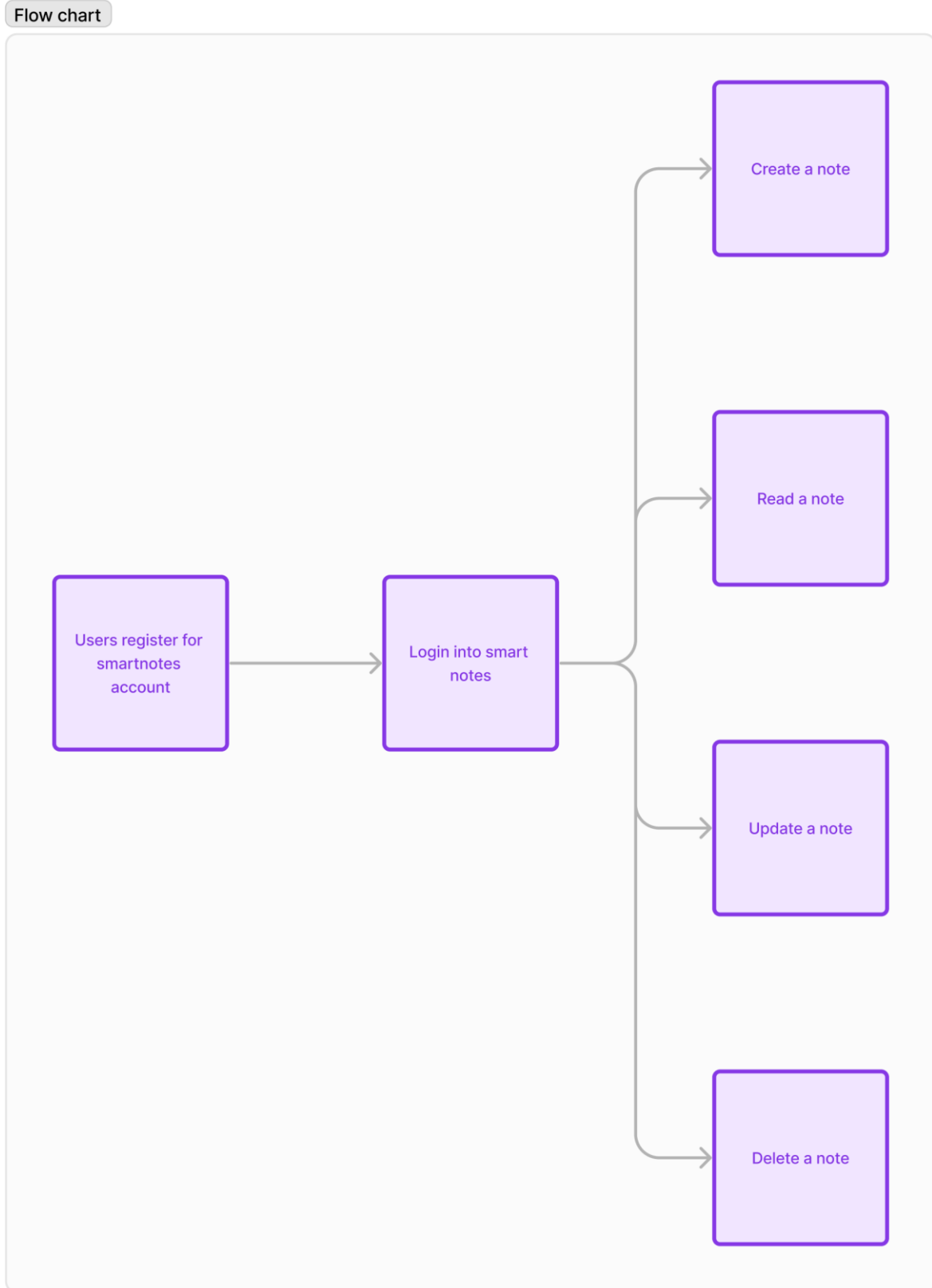
Detailed steps

1. **User logs into the application.**

2. The URL used by user is: http://smartnotes.local:8000/
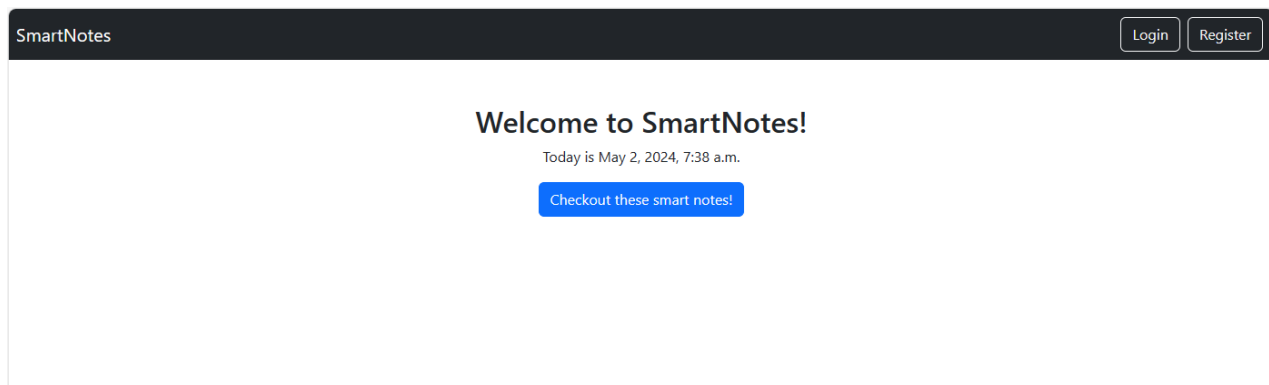
2. User register for smartnotes account

The URL used by user is: http://smartnotes.local:8000/register

This is how the register interface looks like:

user can create personal credentials (a username and a password).

2. Login into smart notes

The URL used by user is: http://smartnotes.local:8000/login

This is how the login interface looks like:

user enter his/her personal credentials (a username and a password).

3. Create a note

After logging into the site, the user inserts title and content for the first note:

SmartNotes | Home | Logout | Create Note

New Note

Title:

A new note here

Write your thoughts here:

This is the content of my new note

Save

Cancel

User enter the title and content of their note and saves a note.

Note! User can not create a note if the title does not contain the word "Perfect"

A new note here

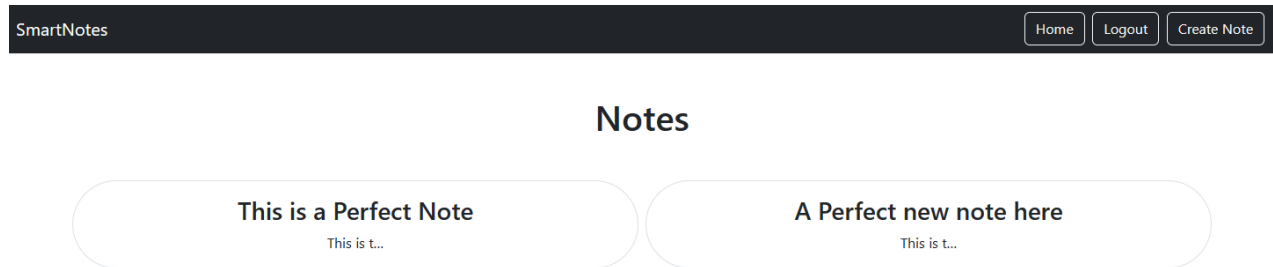Write your thoughts here:

This is the content of my new note

Save
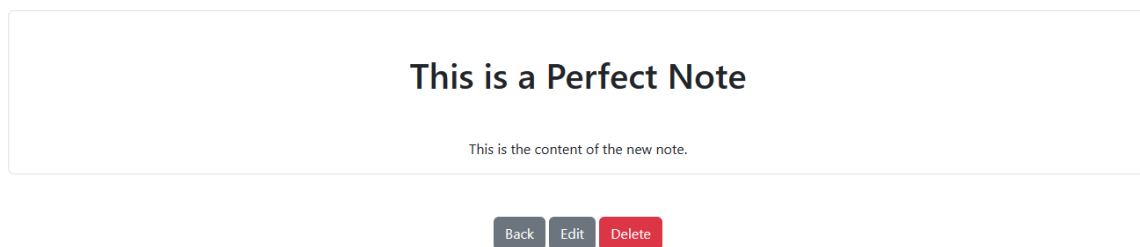
* Title must contain Perfect

Cancel

4. Read a Note

After creating a note, the user can read their note:

| SmartNotes | | Home | Logout | Create Note |

Notes

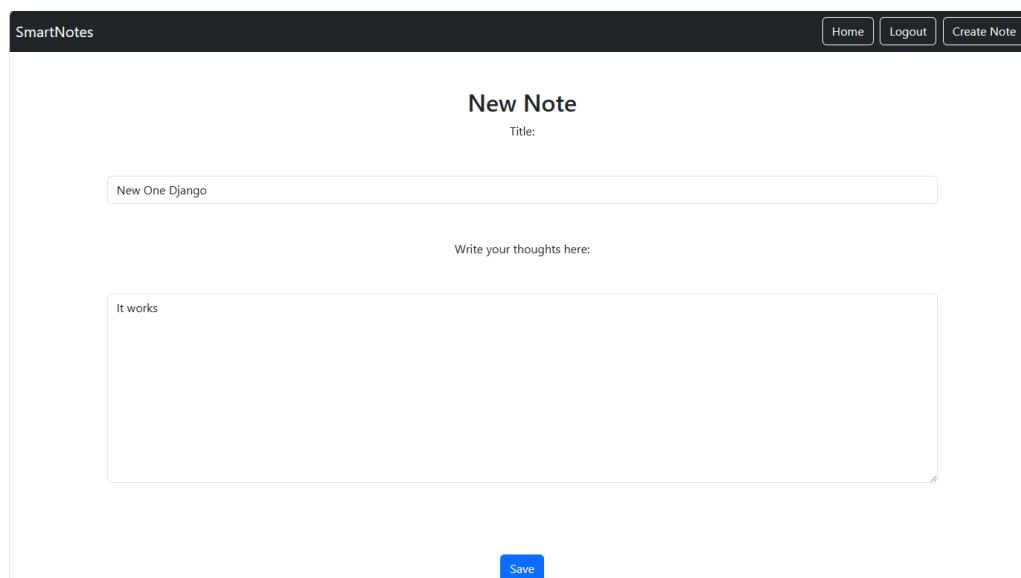| This is a Perfect Note | A Perfect new note here |
| This is t... | This is t... |

User can now read/see his/her notes.

User can now read/see his/her notes. **Clicking on a note's title opens the note for reading and more options**. Like below

---

This is a Perfect Note

This is the content of the new note.

Back   Edit   Delete

5. Update a Note

After creating a note, the user can read their note:

| SmartNotes | | Home | Logout | Create Note |

New Note

Title:

New One Django

Write your thoughts here:

It works

Save

4. Delete a Note

After creating a note, the user can read their note:

SmartNotes   Home   Logout   Create Note

Delete Note

Are you sure you want to delete ""?

Delete

Cancel
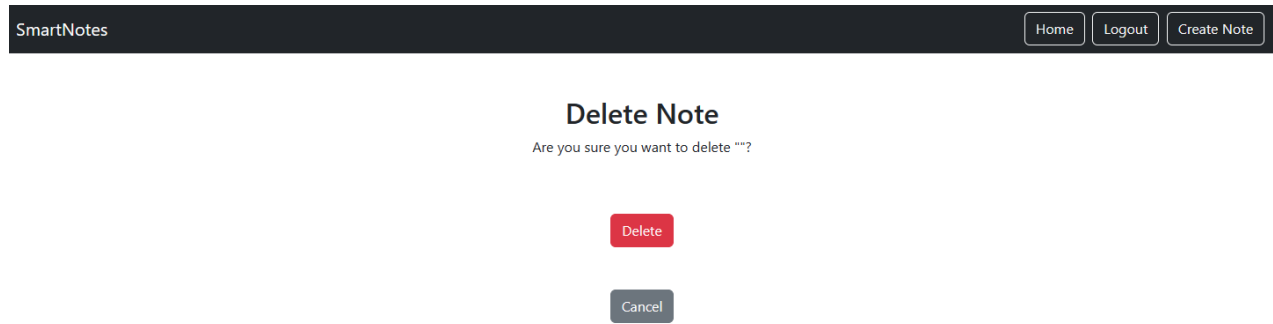
User can now delete his/her note.

Possible exceptions

Exceptions are special cases and rules that can influence and even stop the smooth running of the smartnotes app.

Logic Exceptions

Missing data

username, password, note title and notes content are all required: in case some of this information is missing, the user will not be able to login or create a note.

System Exceptions

Invalid credentials

If the user provides invalid credentials, the login is not successful, and the process stops.