**Technical Software Design Document (Tech SDD):**

**Notes Web App – „Hunote”**

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# Front End

## Top Navigation Bar

### Home

After clicking the button: generating main view (as at first start of the site): Recently opened notes, upcoming notes, most frequently opened notes. Sending request to API to get these notes.

### Categories section

This section will consist of every MAIN category of Category class (API request). If overloaded, then expandable list. If clicked generating view with notes which categoryId equals to this categoryId: Recently opened notes, upcoming notes, most frequently opened notes (API request).

### User button

When not logged in: “Register” and “Login”. When logged in user Settings (icon as in figma). Clicking “Register”: registerView, etc.

Important: When downloading notes from backend we need to include userId/Authentication things. Authentication to be determined.

### Settings button

When clicked: Settings View shows up.

## Left Navigation Bar

### Notes section

Static note types. If clicked on note type it shows every note of this type [1.3.4]. When combined with category, it will show every note of this type from this category.

Clicking “Notes ahead” or “Notes before” will dynamically choose notes by their noteSetDate.

### Calendar, theme, language section

Calendar button makes date section pop up. In there, is asked to pick the start and the end date. When he clicks in start or end section, the calendar section appears, where user can pick the date from calendar. This date will be written in start or end section.

When clicked, theme button will change the layout of the application. Depending on the current one, it will change it either to light or dark mode.

Language button changes the language of the website, to either Polish or English depending on current language.

## Main view

### Note template

tbd

### Notes sections

Notes sections group notes by specific label. In the main view, depending on whether the category was selected, notes section groups by that label from either all of the notes, or from the notes existing in specific category.

### At the start

User is met by the view of all the notes grouped by specific labels. If user wants to look for more specific note [1.3.6] or he can click on category [1.1.2].

### After clicking a type of the note

After clicking on the type of note [1.2] user is met by the view of most recent notes from this specific type.

### Button to add a note

This button redirects user to [1.5].

### Search bar button

When clicked, it shows input in which user can type the name of the note that he would like to find. If user is in category and/or type, the search bar will only return the notes of this specific type/category.

## Settings View

tbd

## Add a note design

### Word functions

tbd

### Note view

Input window in which user can type his note

### Top bar of the note view

Back arrow allows user to go back to the recently viewed content.

Note name asks user to field the name of the note.

Date asks user to type in the date of the note. It can be left blank.

When clicking on the already created note, user will also have an option to Edit it (it is not visible when creating a new note). Only after clicking “Edit”, user can modify notes content.

Star button allows user to add the note to “Favorite Notes”.

### Bottom bar with buttons

Note settings [1.5.5]

Save button allows user to save the created note.

### Note Settings window

Note settings button pops up a window which allows user to add note to category and/or type.

## Register and Login design/user Settings design

To be designed.

# Back end

## Users

* userId
* username
* encryptedPassword
* email
* language
* theme

## Notes

* noteId
* noteTitle
* noteContent – to be expanded? (functions of notes)
* categoryId (subCategoryId)
* typeId
* noteSetDate
* noteCreationDate
* lastTimeOpened
* timesOpened
* isFavourite

### Functions of notes

To be designed?

### Types of notes

* typeId
* typeName

## Categories

* categoryId
* categoryParentId – if main category then 0, if subcategory then id of the parent category
* categoryName

## Requests from the front end

tbd

### Home Request

tbd