

Design Overview for Note-Taking App

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Summary of Program

This app is a simple version of a normal note-taking app like Notepad, however I have borrowed some features from MS Word as well.

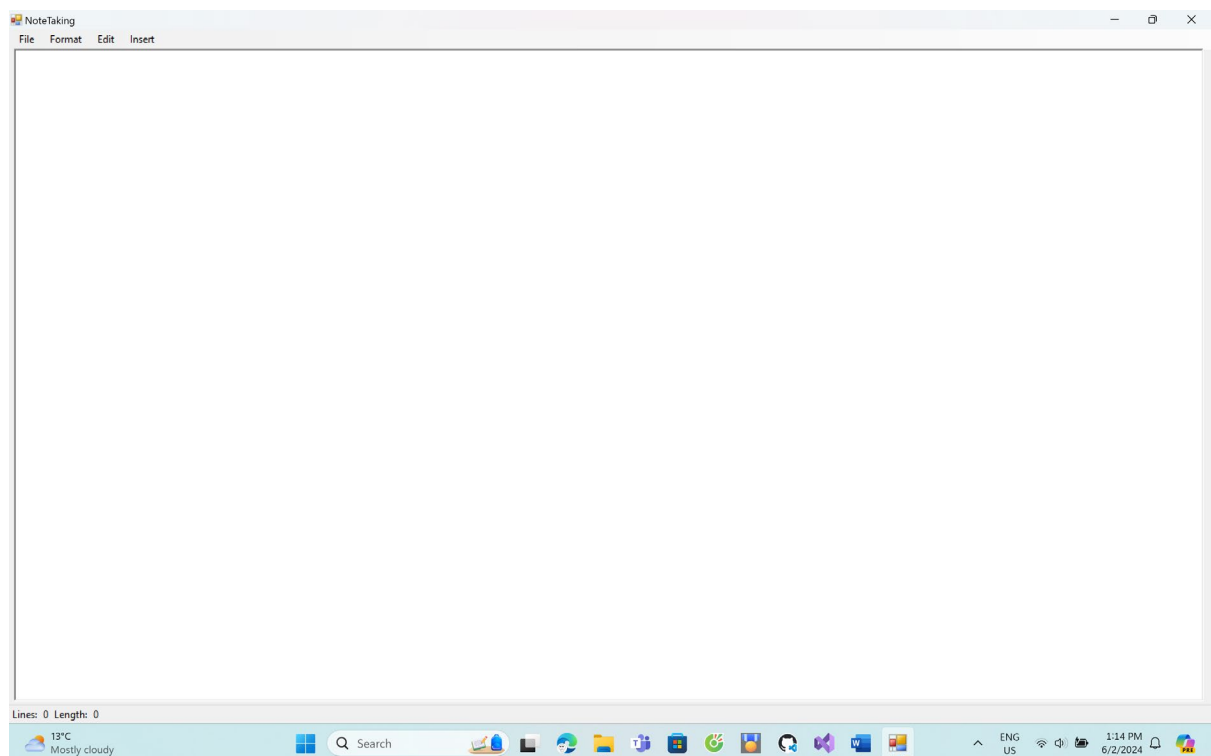
The app consists some basic functionalities:

- Create a note, save a note and load the note from your computer, and delete a note.
- Insert some types of data like tables, images and references.
- Change the format of the text (color, text align, font, size, underline, bold and italic).
- Edit the note (find, find and replace, undo, redo, cut, copy, paste and delete).

The graphic interface of the app will be created through Window Form Application.

For images that serve as an icon in my program, this is the link to get access to all of them

<https://drive.google.com/drive/folders/1uJjiWdlegAcBk8mj22fs9NsLLmefJ5l2?usp=sharing>



The screenshot of the interface of the program

Required Roles

Describe each of the classes, interfaces, and any enumerations you will create. Use a different table to describe each role you will have, using the following table templates.

Table 1: MainForm details – duplicate

Responsibility	Type Details	Notes
currentfile	string	The file you are opening
textSize	int	The size of the text
OpenFile()	void	Open files from folder in computer
SaveFileAs()	void	Save a new file to a folder
SaveFile()	void	Save a file after finish editing
NewFile()	void	Create a new file
Cut()	void	Remove text and store it in clipboard
Copy()	void	Copy the text
Paste()	void	Paste the text you copied into somewhere else
Delete()	void	Delete the text
Find()	void	Find a string of word or a piece of text
Replace()	void	Replace a piece of text with another one
Reference()	void	Create an APA reference
ApplyStyle()	void	Apply changes like underline, bold, italic
InsertImage()	void	Insert images to the file
InsertTable()	void	Insert tables to the file
ChangeColor()	void	Change the color of the text

Table 2: MainForm details

Value	Notes
UndoList	List of undo actions
RedoList	List of redo actions

Table 3: Image details – duplicate

Responsibility	Type Details	Notes
imageFile	string	The file of image
Insert()	void	Insert the image into the main form
Delete()	void	Delete the image from the main form

Table 3: Reference details – duplicate

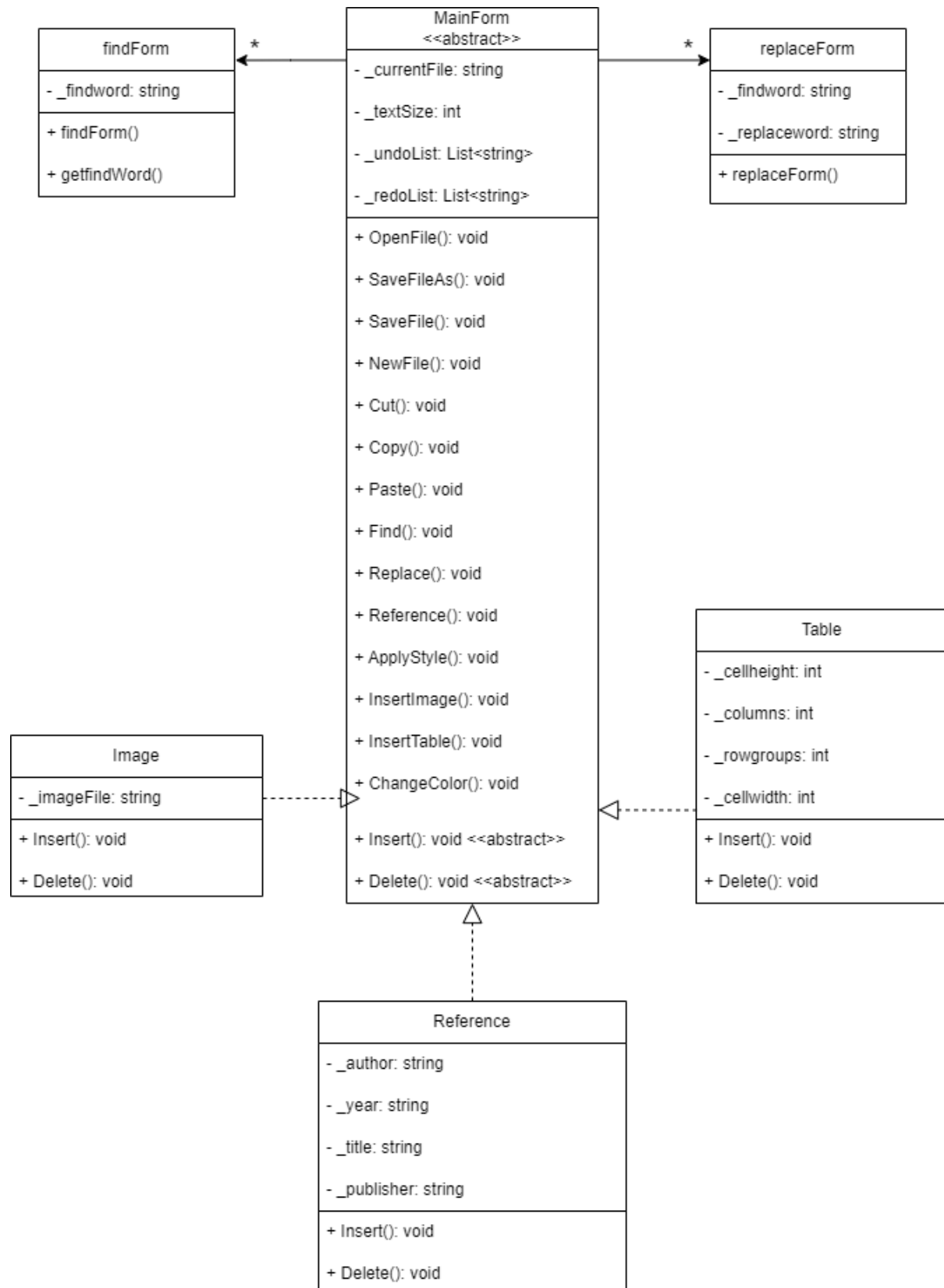
Responsibility	Type Details	Notes
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author	string	The author of the article
year	string	The year when the article was published
title	string	The title of the article
publisher	string	The publisher of the article
Insert()	void	Insert the reference into the main form
Delete()	void	Delete the reference from the main form

Table 3: Table details – duplicate

Responsibility	Type Details	Notes
cellheight	int	The height of the cell
cellwidth	int	The width of the cell
rowgroups	int	The number of rows of the table
columns	int	The number of columns of the table
Insert()	void	Insert the table into the main form
Delete()	void	Delete the table from the main form

Completed UML Diagram



Sequence Diagram

