OneNote.

10.25.2022

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The domain of Your Project

Note-taking and editing.

Motivation for the Project

The motivation for choosing this particular project is to apply and copy the masterly App OneNote of Microsoft. I personally am fascinated by the discreteness of the OneNote, Its interface is so simple that a kid might get used to it and its features are so vast that i yet didn't know about some. And furthermore I like the idea of how the notes are all interconnected through your microsoft account, you can use it on any device having a single account and can read and write from wherever you want.

Problems that will be Solved by this Project

By this project we will try to provide a single place for keeping all of your notes, research, plans, and information — everything you need to remember and manage in your life at home, at work, or at school. In OneNote, notebooks never run out of paper.
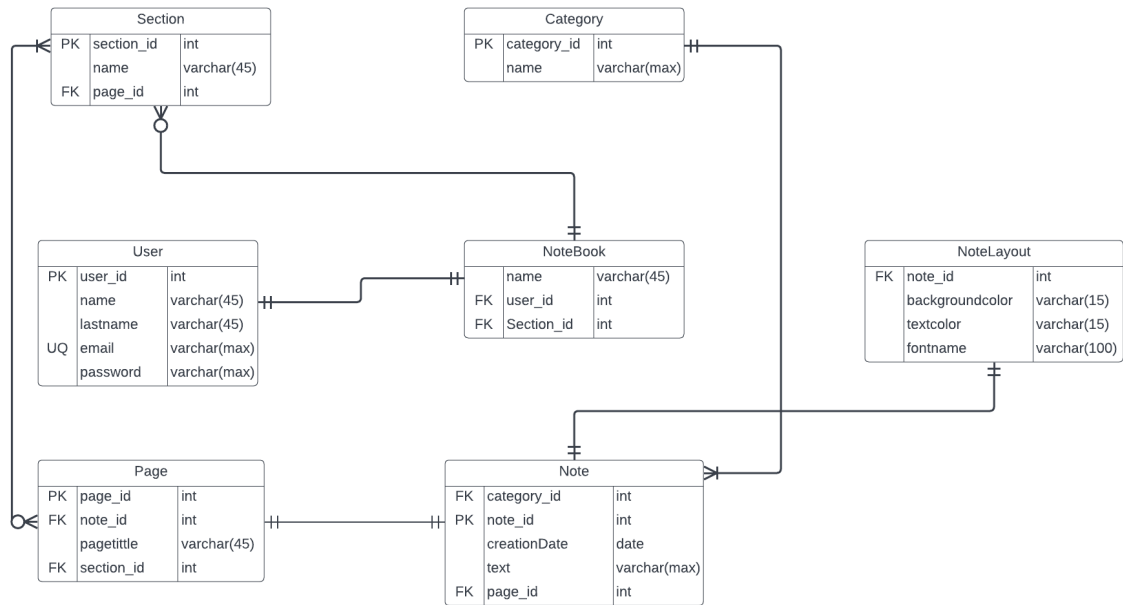
Database Design

No of Roles are 4

User	Role	Description
End User (Student, Person)	Uses the app.	Can note down important dates and messages. Can make his education notes. Can share his notes.
Database Administrator	Manages, Monitor	Retrieve, update, delete anything
Database Analyst	Maintain, Accesses	Maintain data storage, Accesses database design.
Database Developer	Create, Develop	Ensure Performance, Security and Integrity of data.

Tables: No of Tables are 7 namely, User, Notebook, Section, Page, Note, NoteLayout, Category.

Database Overview

Table Name	Column Name	Datatype	Constraints
User	User_id firstname Lastname Email password.	Int varchar(45) varchar(45) varchar(max) varchar(max)	Primary Key Unique Key
Notebook	Name User_id section_id	varchar(45) Int int	Not Null Foreign key Foreign Key
Section	Section_id Name page_id	Int varchar(45) int	PK Not null FK
Page	Page_id Note_id Pagetitle Section_id	Int Int varchar(45) int	PK FK FK
Note	Category_id Note_id Creationdate Text Page_id	Int Int Date varchar(max) int	FK PK FK
NoteLayout	Note_id Backgroundcolor Textcolor fontname	Int varchar(15) varchar(15) varchar(100)	FK
Category	Category_id Name	Int varchar(max)	PK

ER-Diagram

Section

PK	section_id	int
	name	varchar(45)
FK	page_id	int

Category

PK	category_id	int
	name	varchar(max)

User

PK	user_id	int
	name	varchar(45)
	lastname	varchar(45)
UQ	email	varchar(max)
	password	varchar(max)

NoteBook

	name	varchar(45)
FK	user_id	int
FK	Section_id	int

NoteLayout

FK	note_id	int
	backgroundcolor	varchar(15)
	textcolor	varchar(15)
	fontname	varchar(100)

Page

PK	page_id	int
FK	note_id	int
	pagetittle	varchar(45)
FK	section_id	int

Note

FK	category_id	int
PK	note_id	int
	creationDate	date
	text	varchar(max)
FK	page_id	int

Database Creation

1. Create Database OneNote:
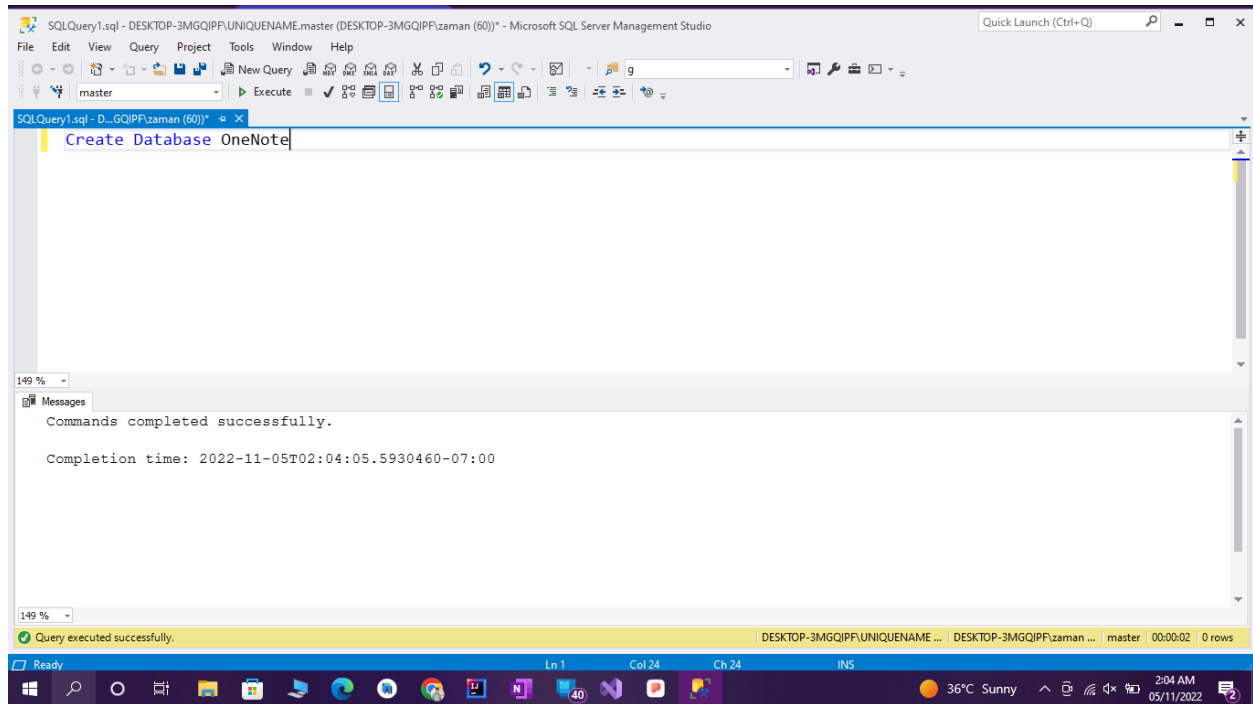
2. Table User:
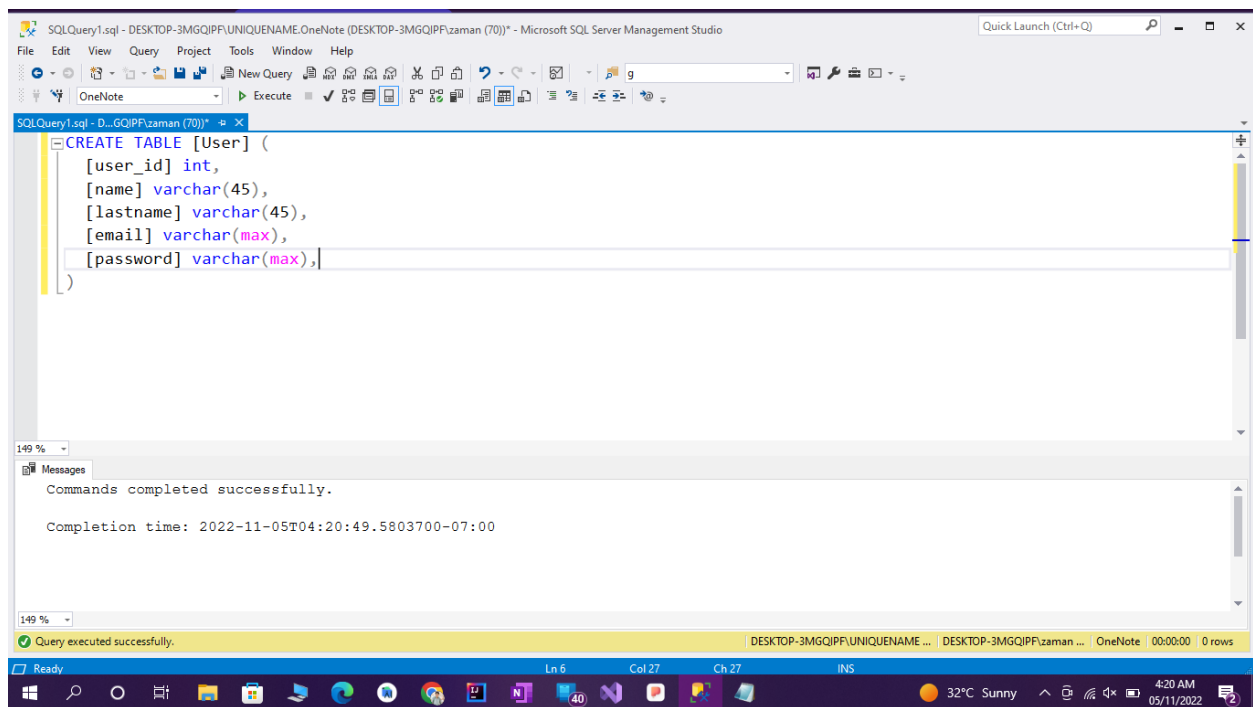
3. Table Section:
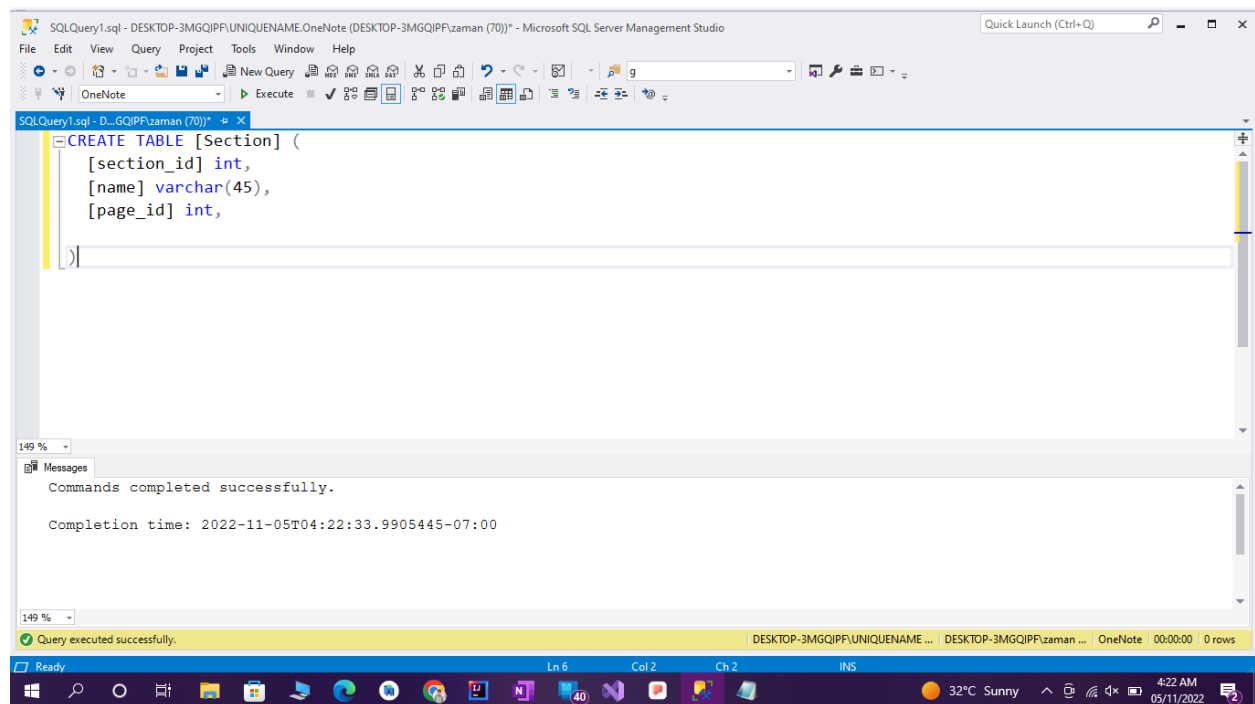
4. Table Page:
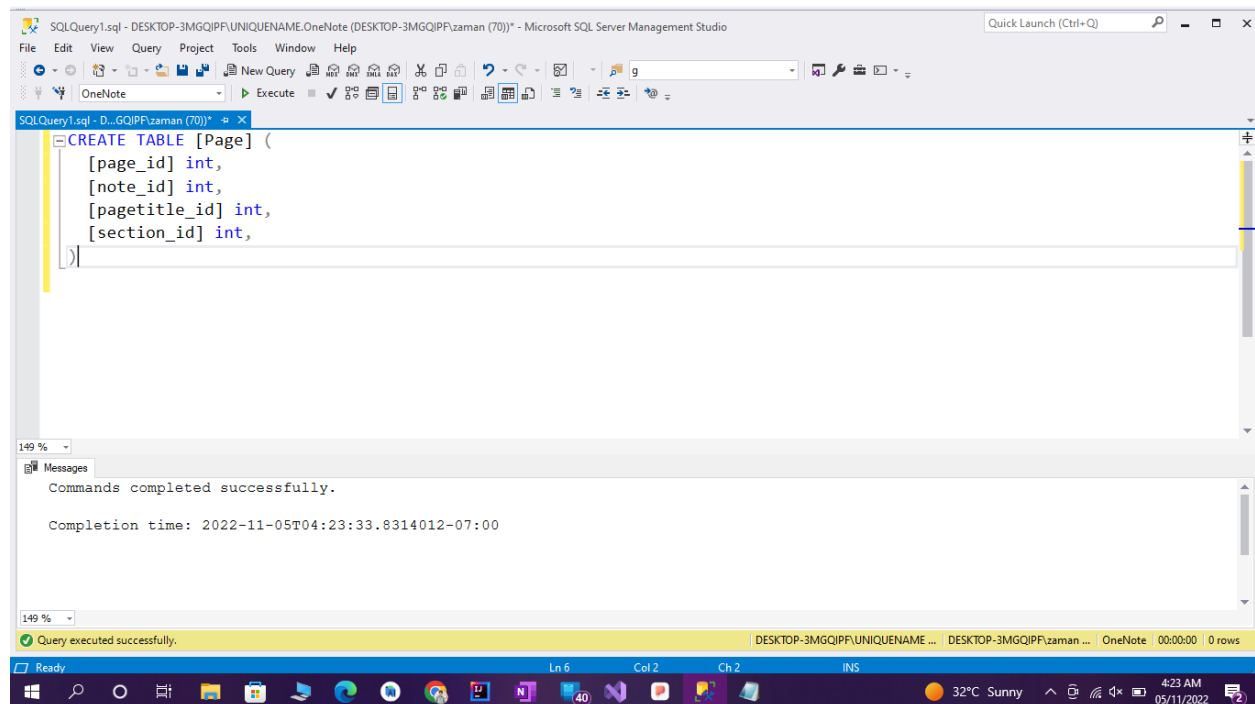
5. Table Note:
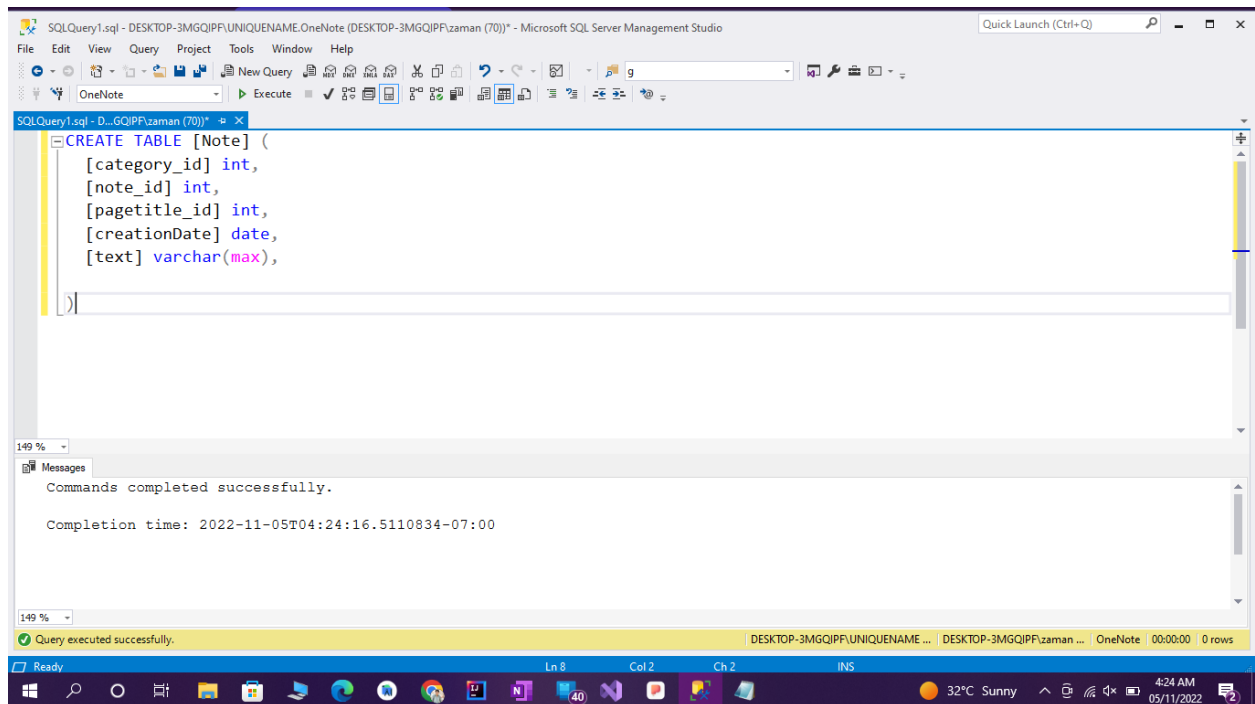
6. Table NoteLayout:
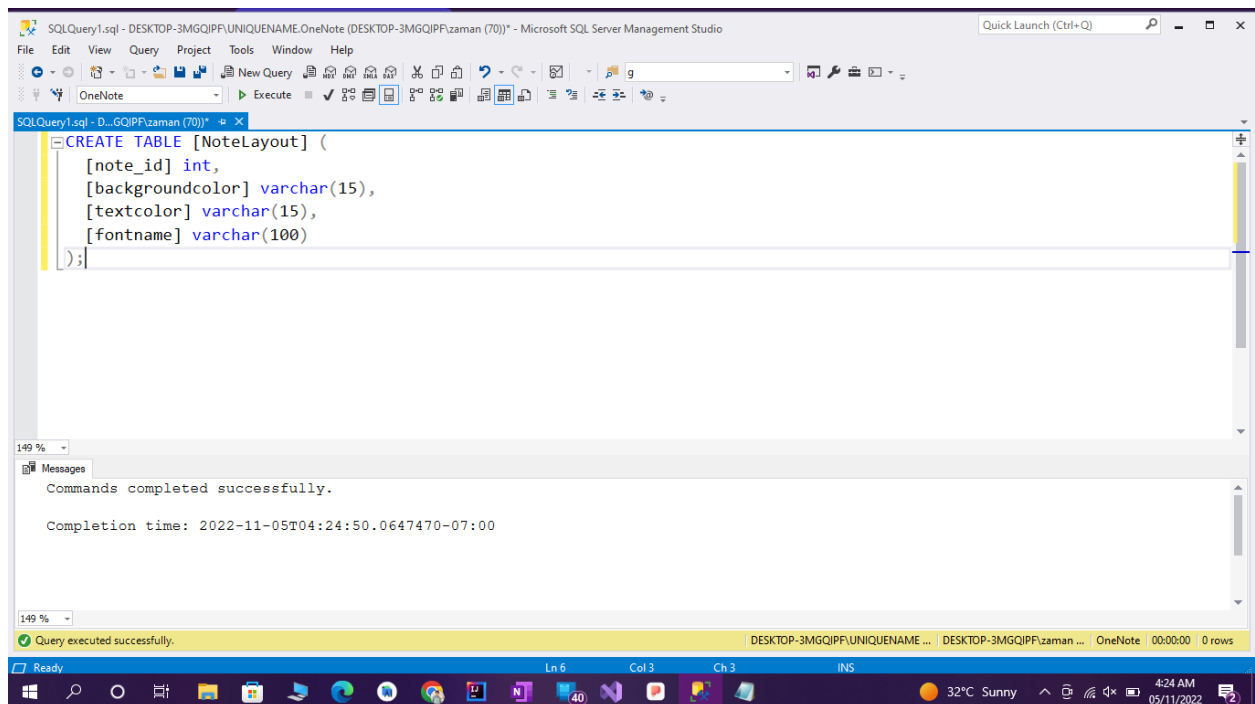
7. Table NoteBook
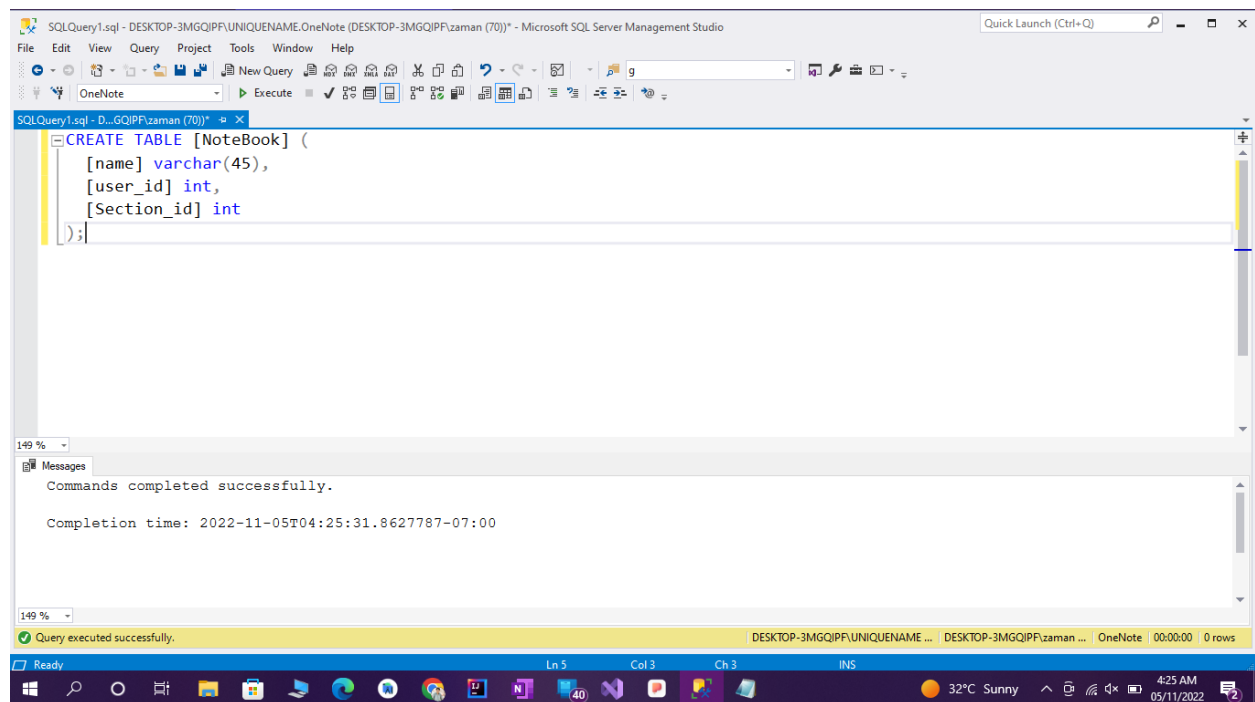
8. Table PageTitle:
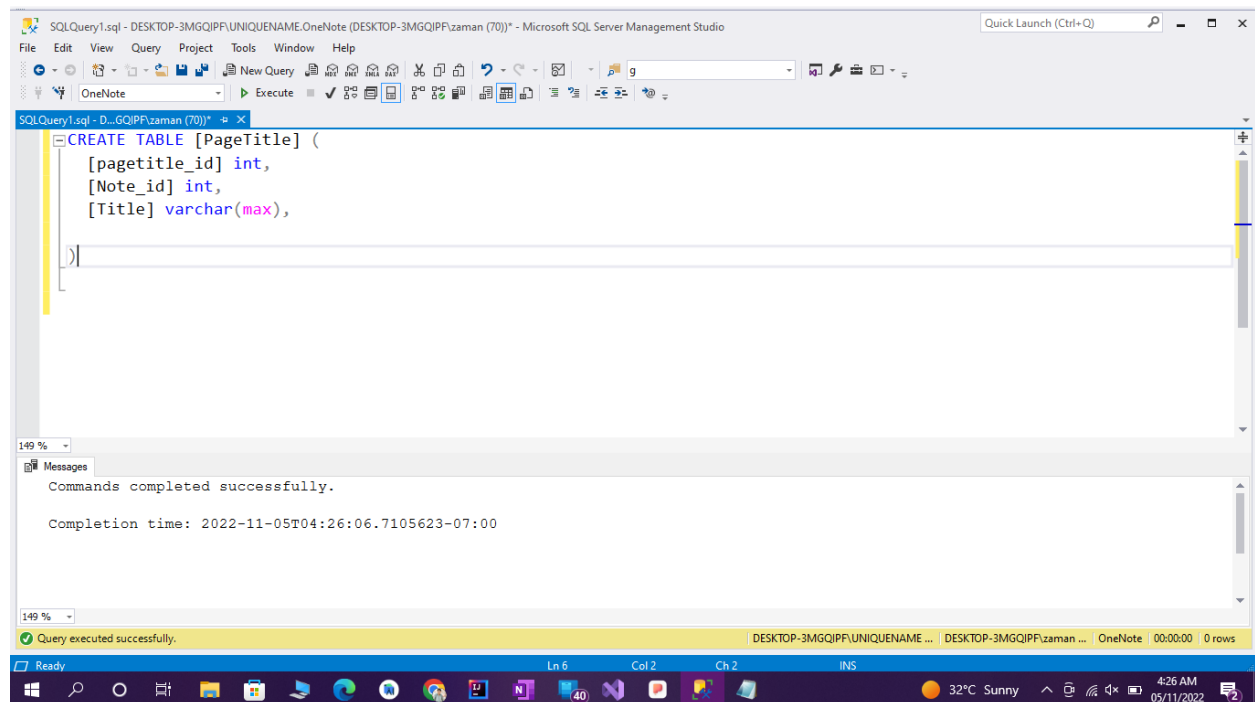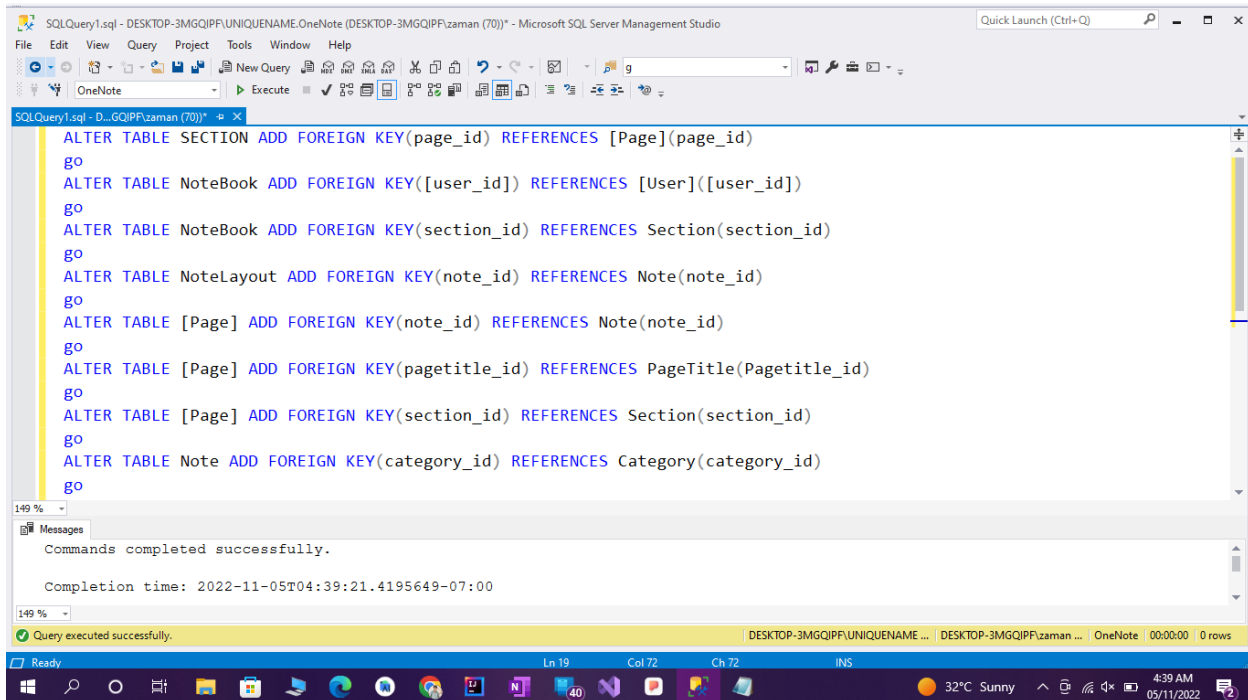
9. Table Category:
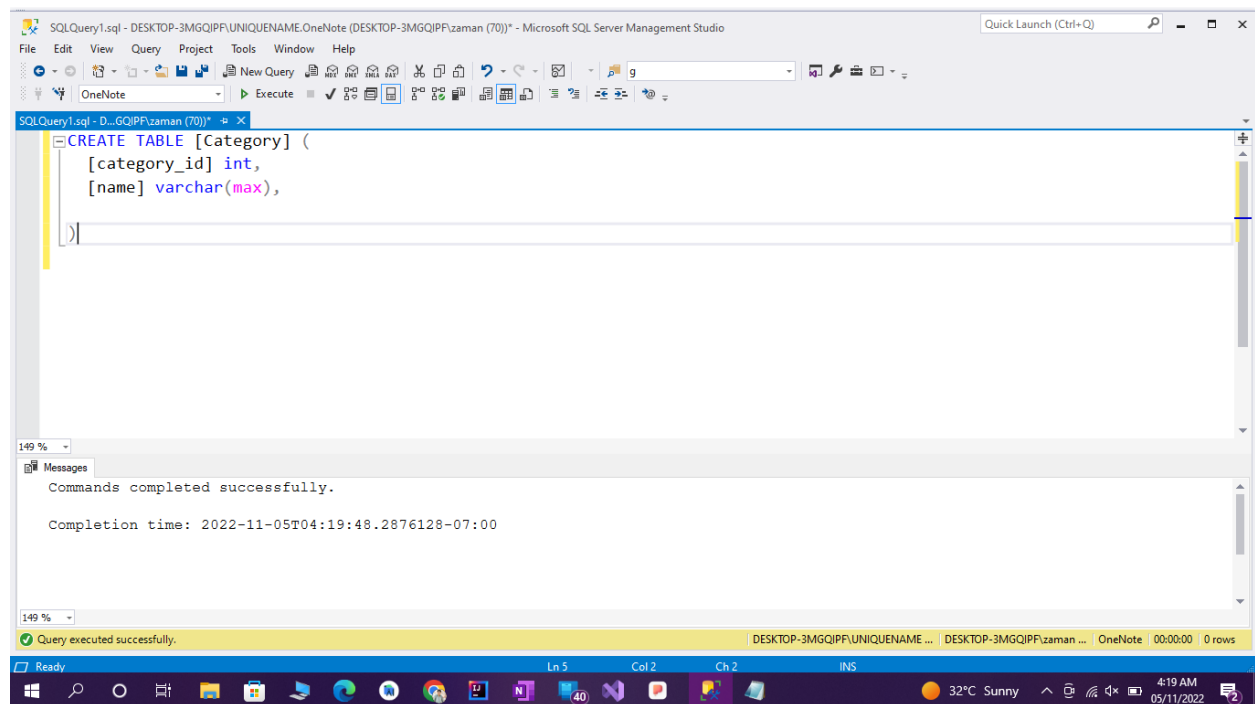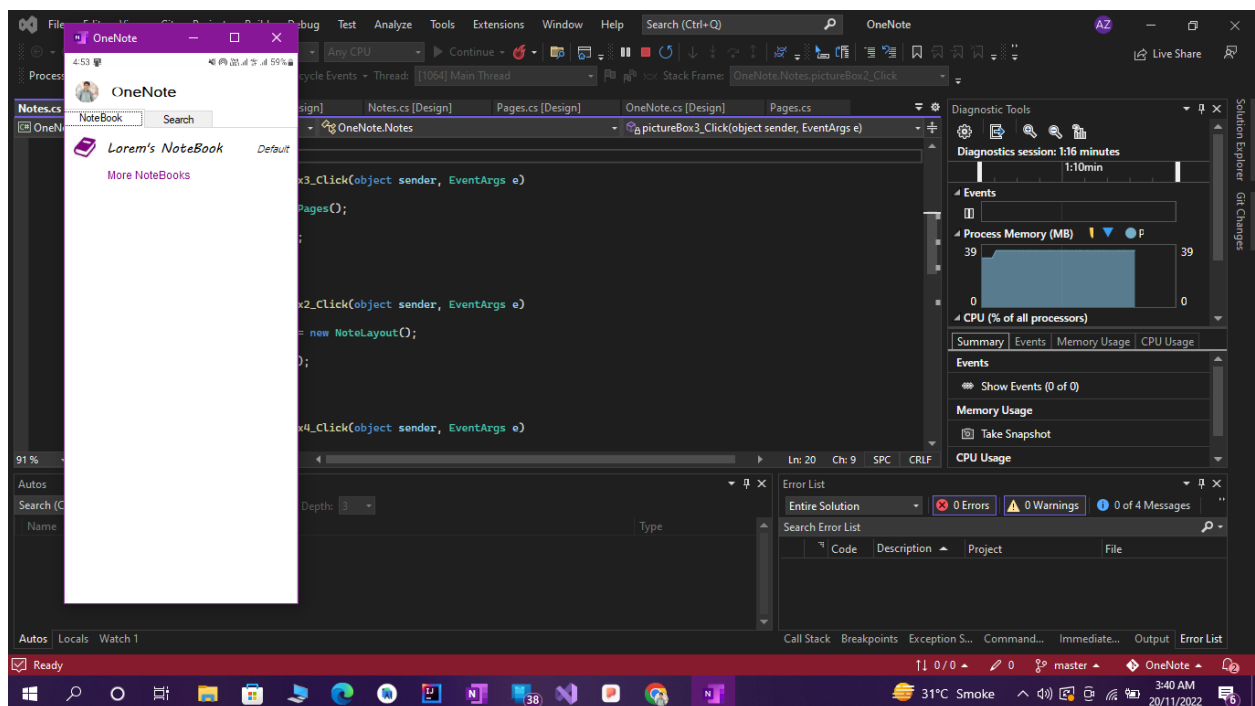

10. Adding Primary Keys:

11. Adding Foreign Keys:
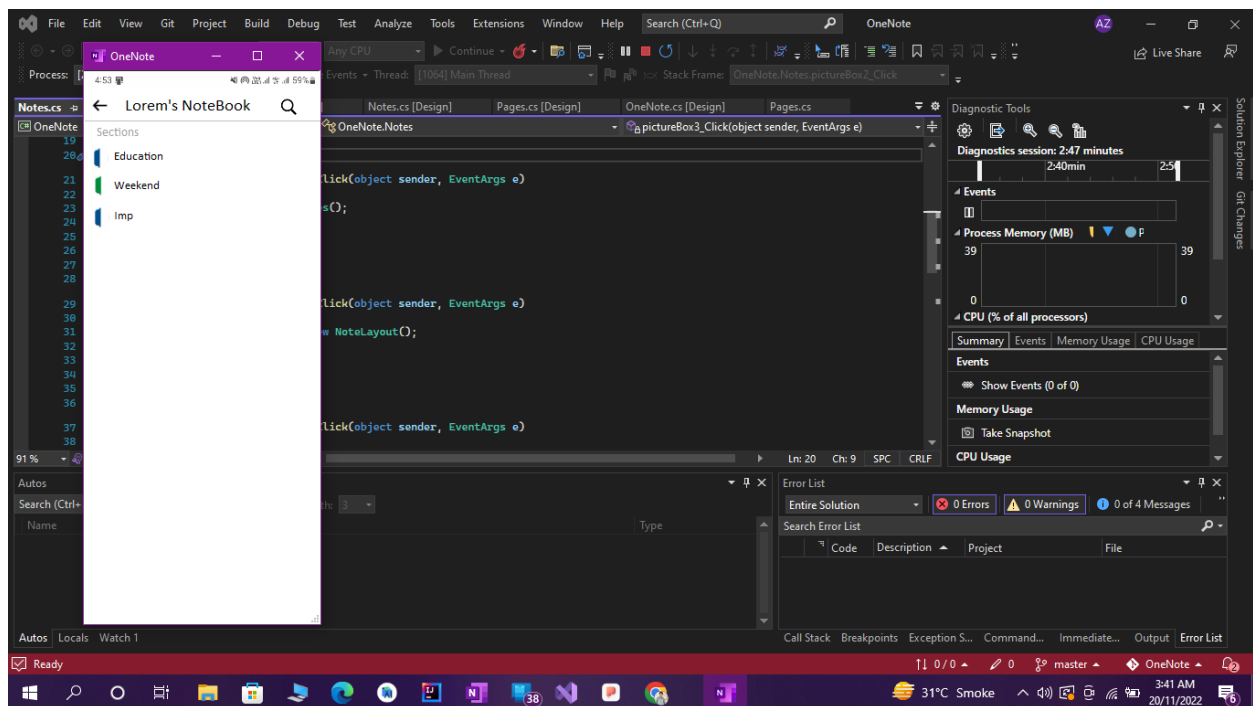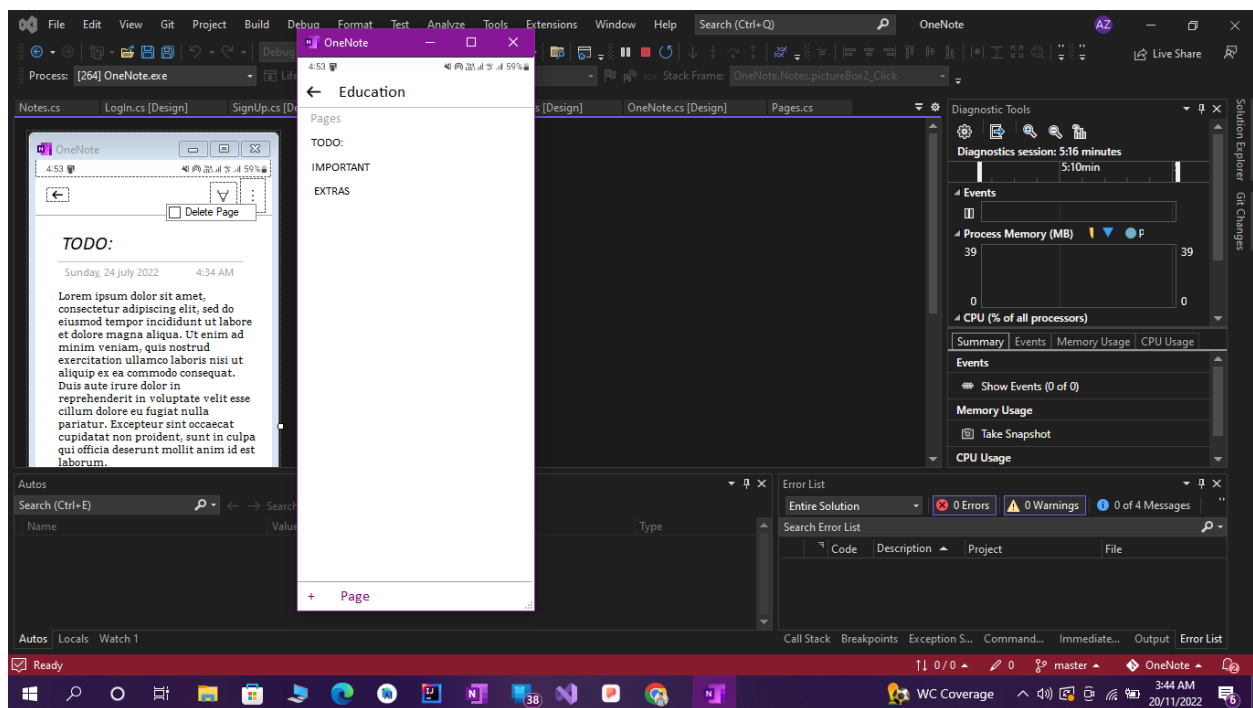

User Interface

1. Login/SignUp:
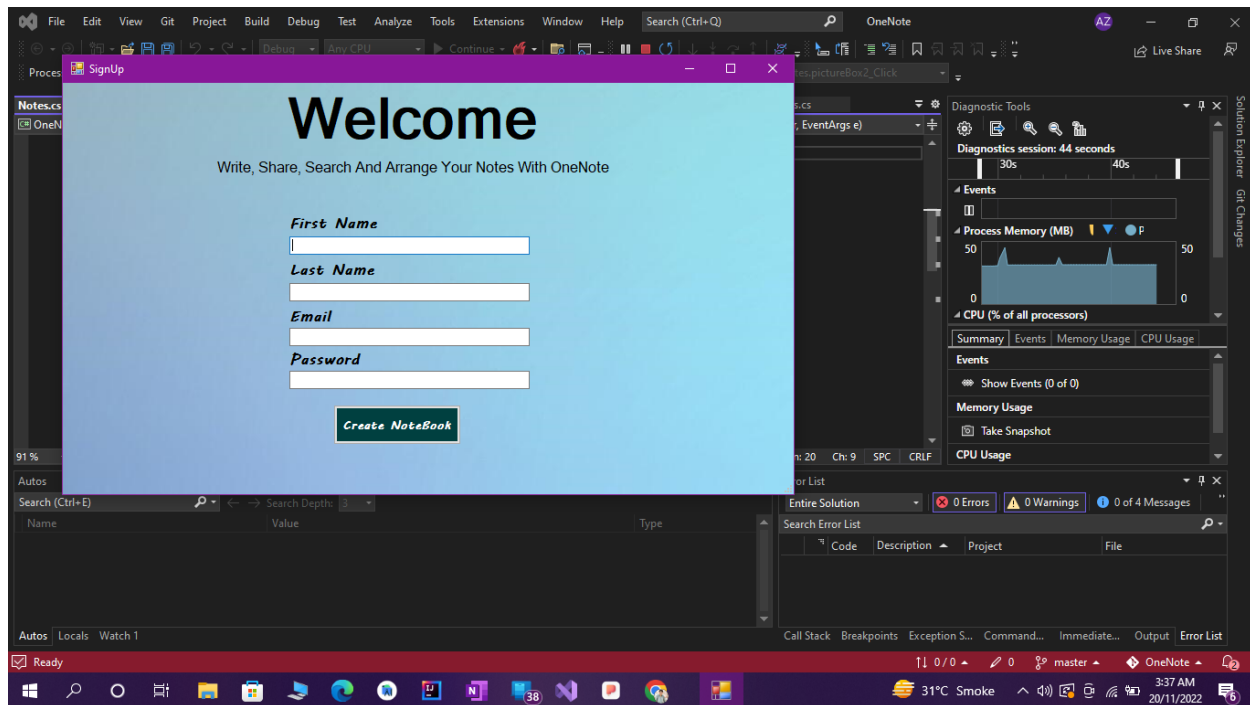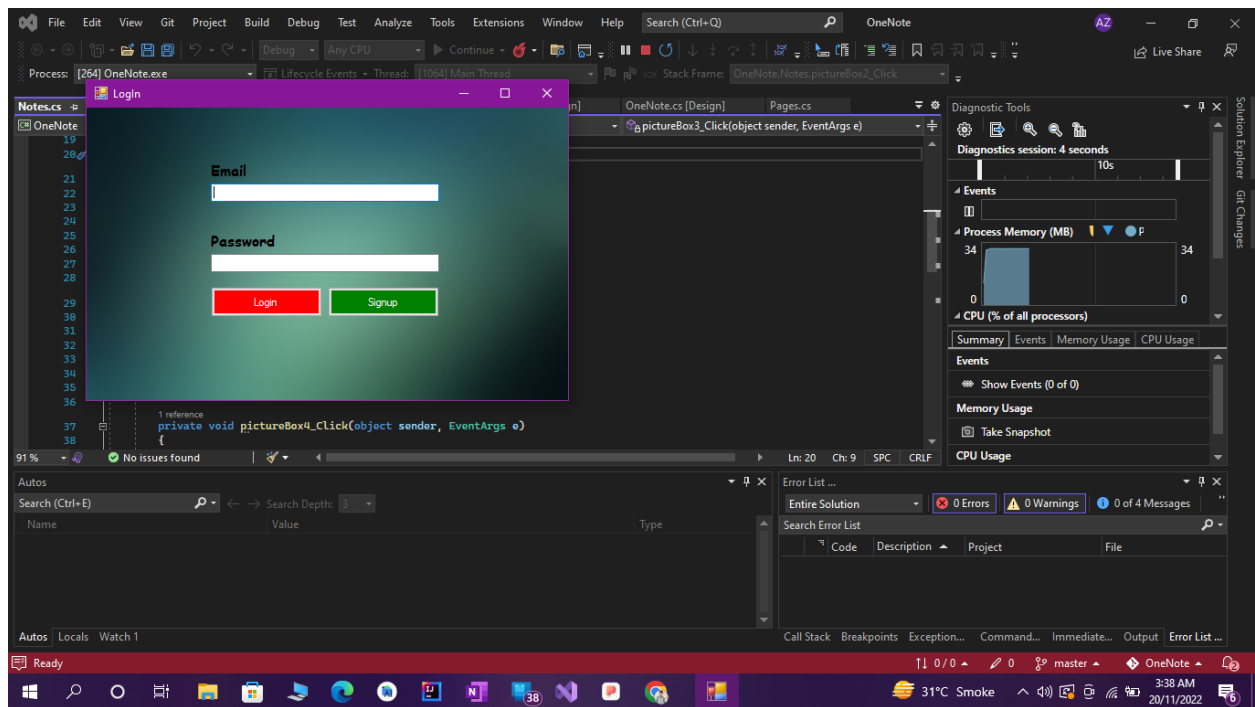
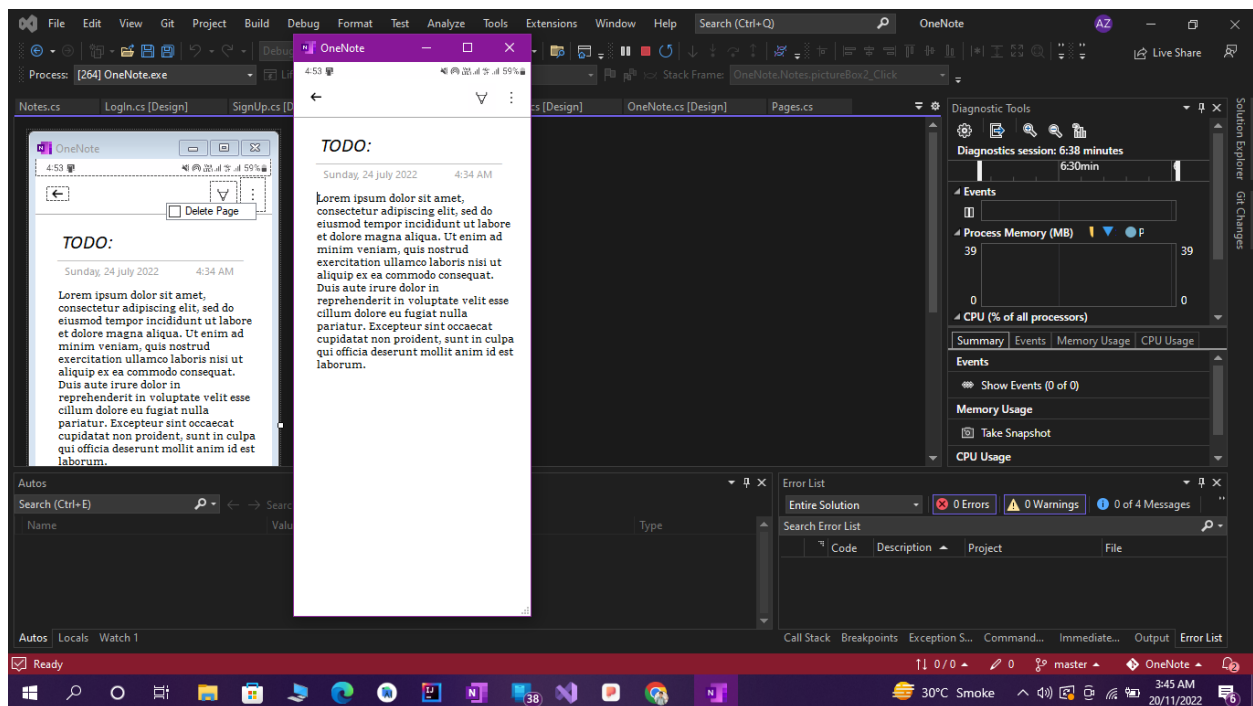2. OneNote App Starting Page:(After Clicking Login)

3. After Clicking Lorem's NoteBook: (These Are Sections)
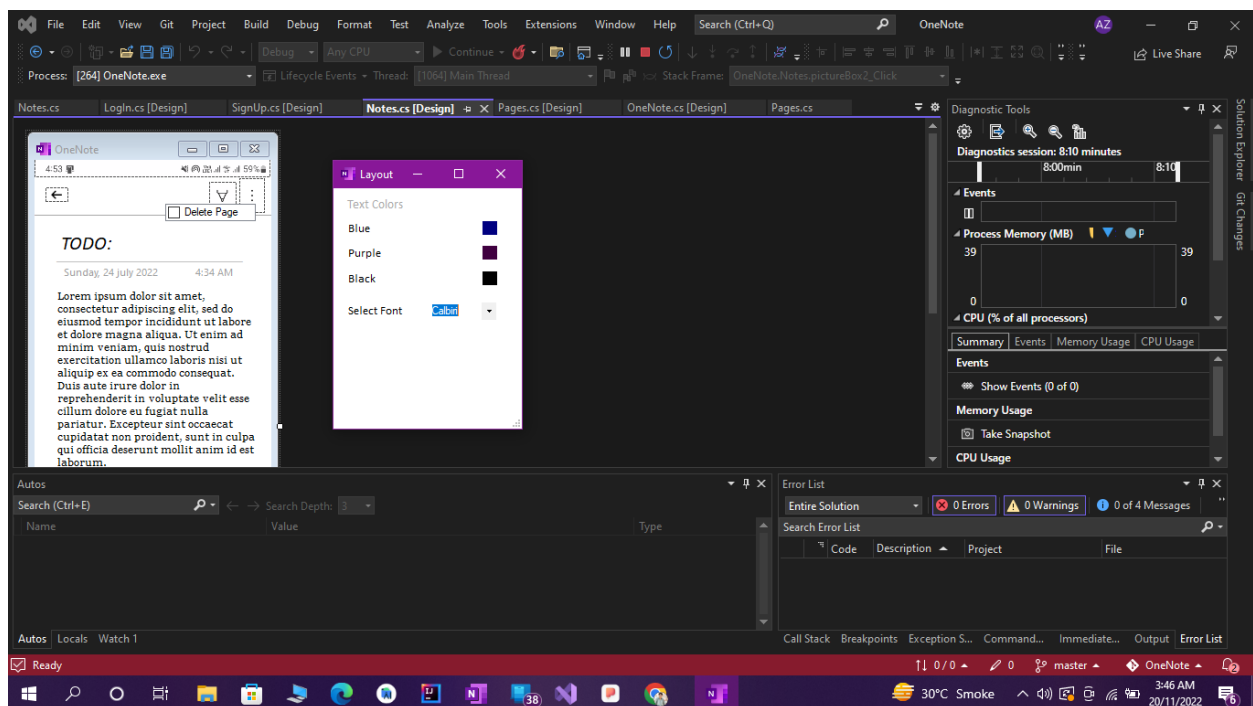

4. After Clicking Education(Section): (Now these are the pages which are inside the Sections)
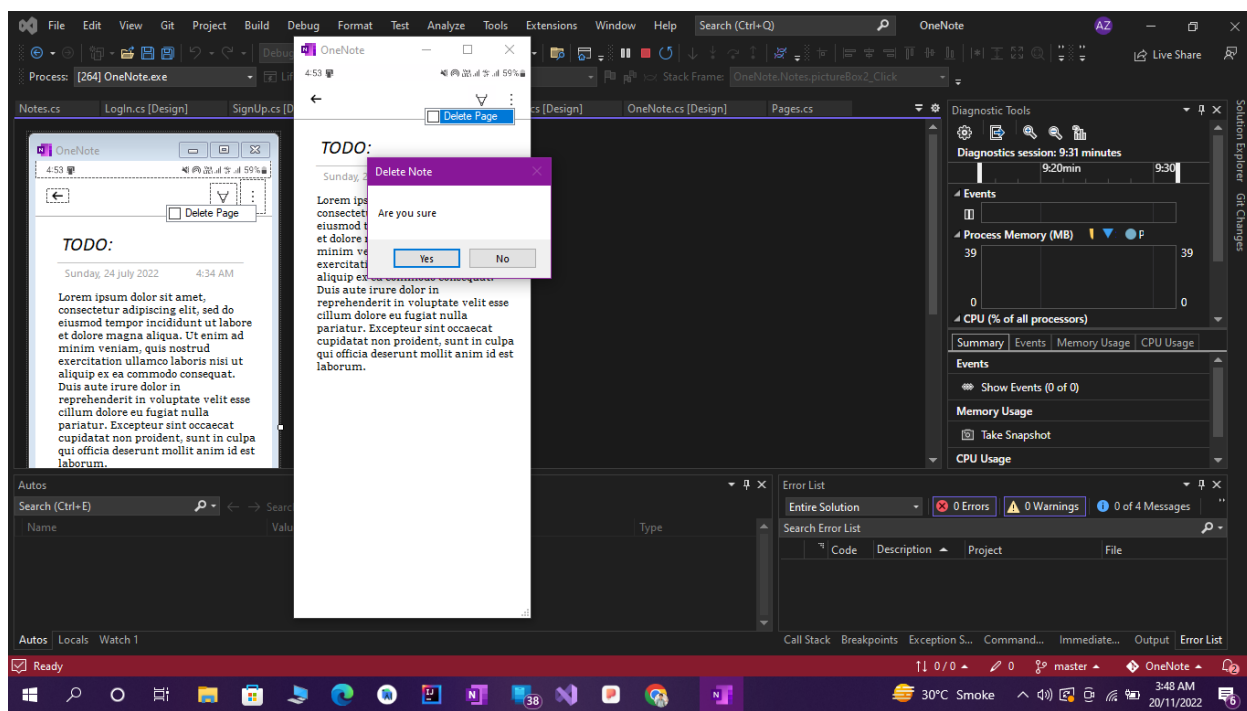
5. After Clicking TODO(Which is a Page) : (Now we are directed to Notes Screen)
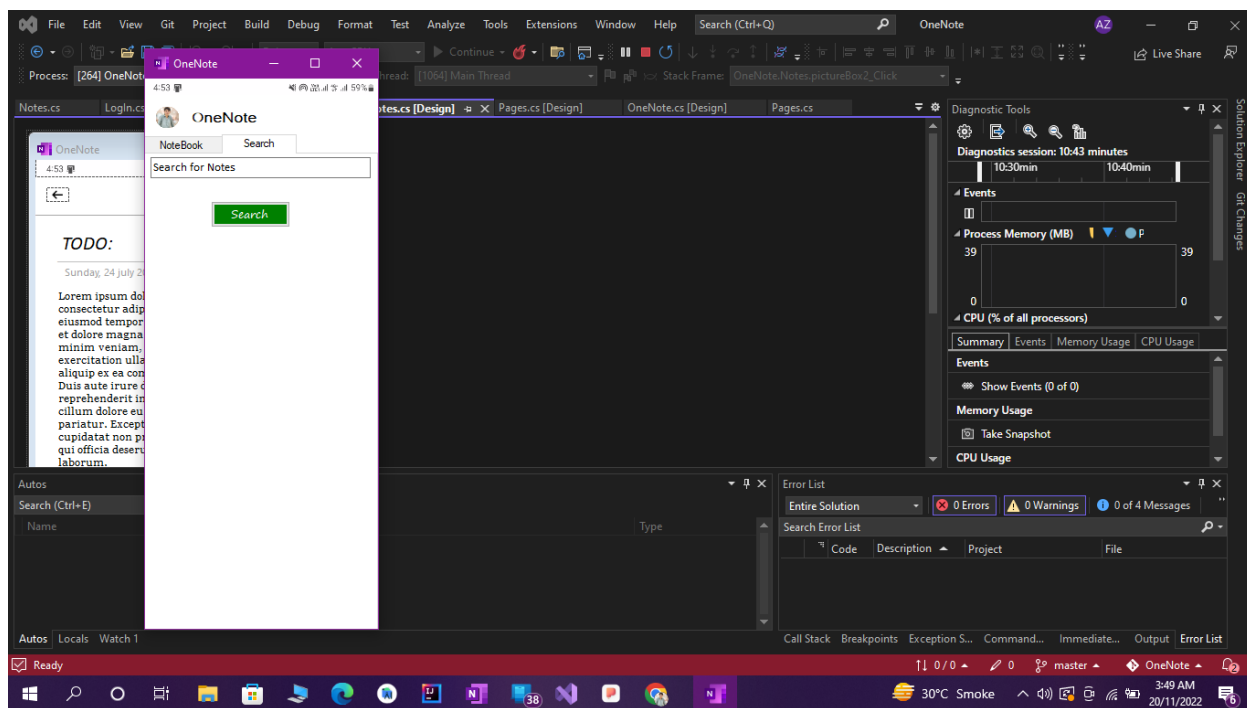

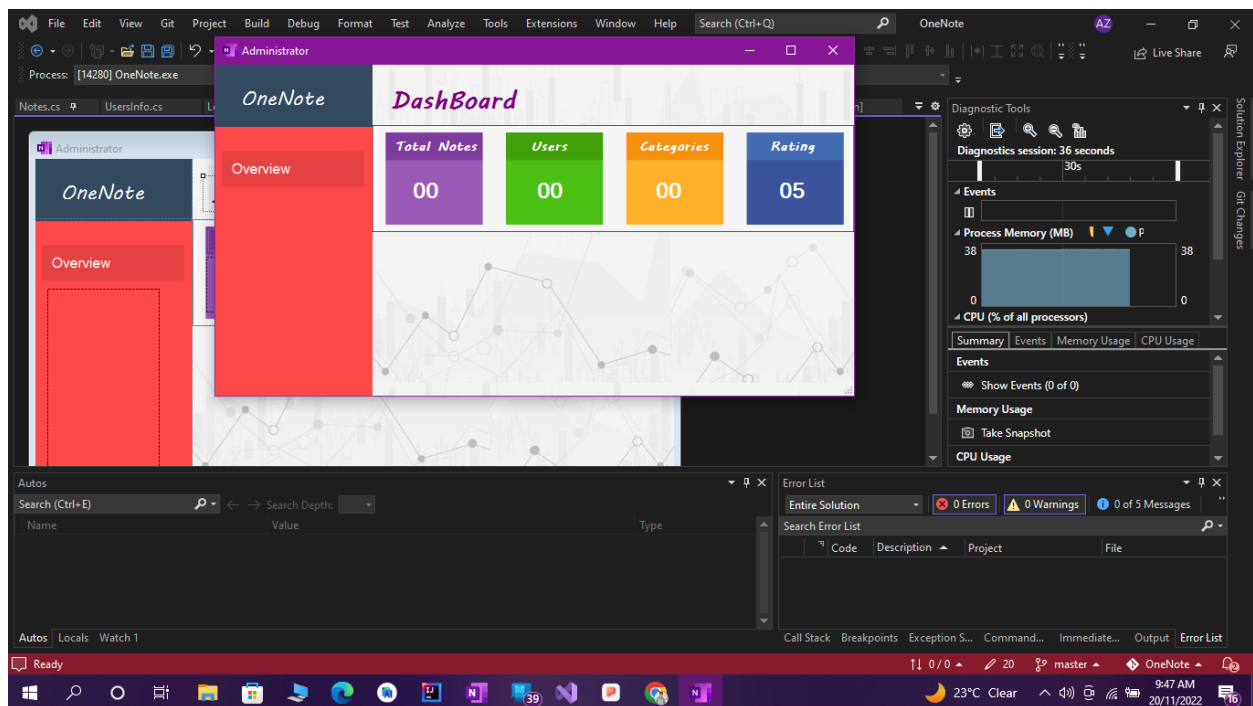6. You can Customize the Note by clicking on the Marker icon on top right.

7. Or you can also delete this note by clicking on three dots on the top right corner of the screen.
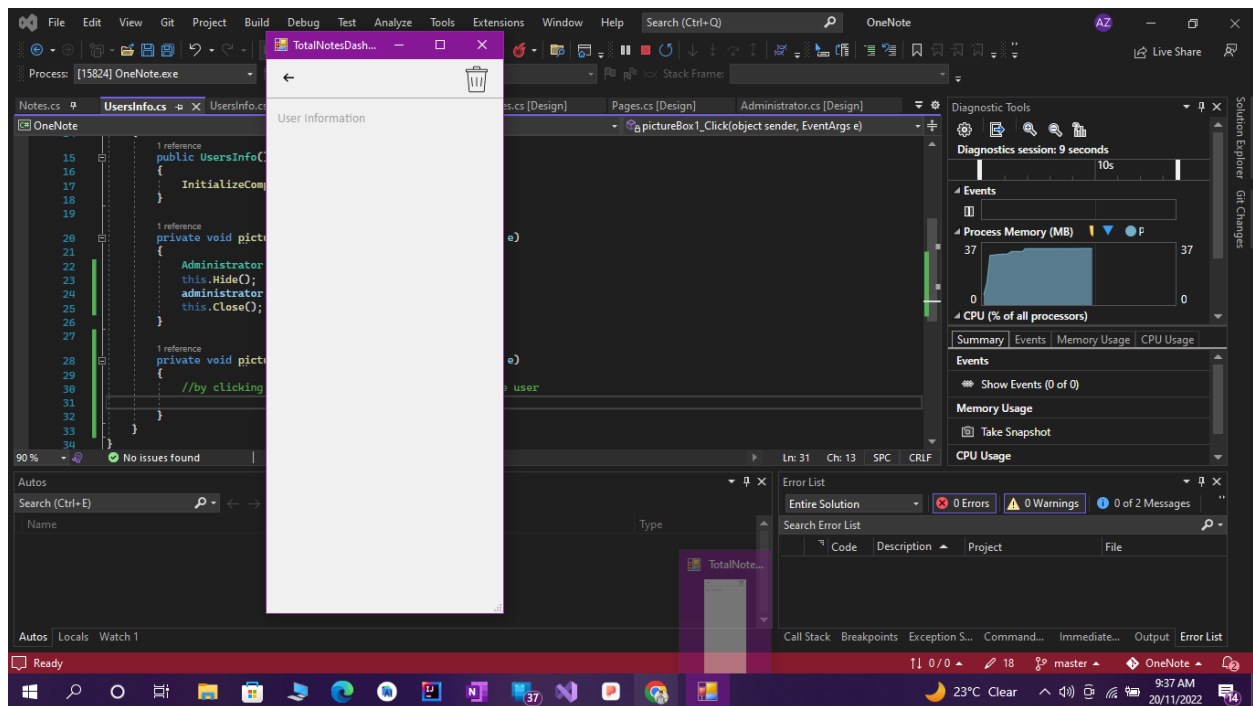

8. You will also be able to search Notes:

9. Administrator Dashboard:

10. By clicking on the Users Dashboard Admin will get a new screen to overview the details of the user and also by clicking on the recycle bin admin can delete any user.

Conclusion