**PROJECT STRUCTURE**

In our **Notepad App** we have divided the code into 4 **modules** or **.py** files called **NotepadView.py**, **NotepadDBModel.py** , **NotepadFileModel.py** and **NotepadController.py**

**1. NotepadView.py :** **All the** **front end code** is written here. It contains the **root window** and **UI elements** our application will **require** and the **execution will begin from here**. All the calls to other methods will be made from here.

**2. NotepadDBModel.py:** **All the code** that **interacts** with the **database** is written here. **It contains** methods like **add\_file\_to\_db()**,**remove\_file\_from\_db()**,**search\_file\_in\_db()**,**load\_files\_from\_db()**, **close\_db\_connection()** etc

**3. NotepadFileModel.py:** **All the code** that **interacts** with the **file handling** is written here. It contains methods like **save\_file()**,**save\_as()**,**open\_file()**,**read\_file()**,**encrypt()** ,**decrypt()** etc.

**4. NotepadController.py:** **This file** will **manage** the open / closing / query of file. Also as mentioned, the **View** and **Model** do not directly communicate with each other. So their communication is done via **Controller** which is the file **NotepadController.py**. It contains methods like **save\_file ()**, **save\_as ()**, **read\_file ()** etc to pass on the user's request to the **Model** as well as methods like **saySomeThing ()** for **capturing** user’s voice.