

CCT College Dublin

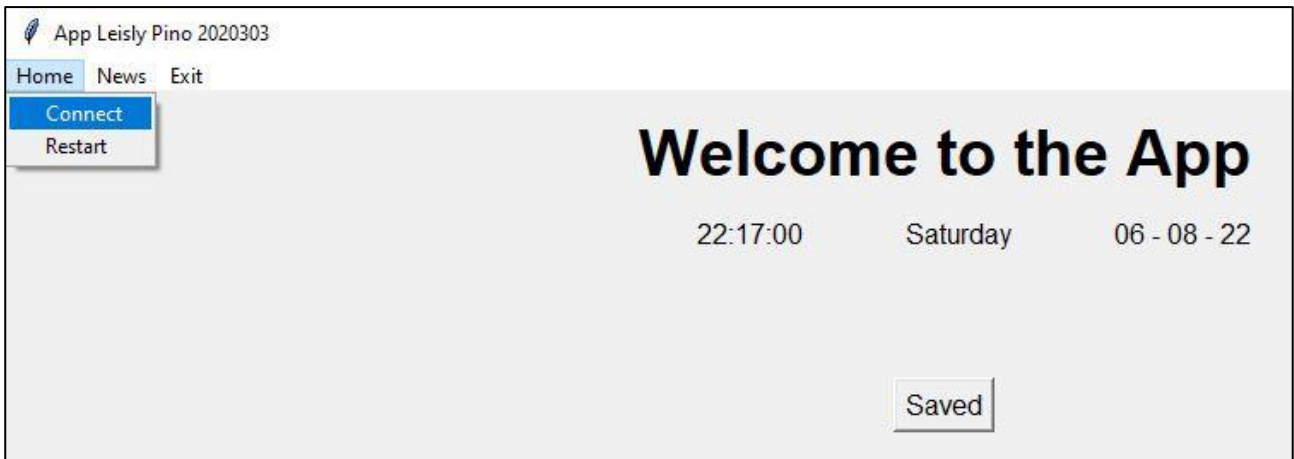
Module Title(s):	Python Programming
Assessment Title:	Individual or pair Practical Assignment
Project Title:	News Room
Lecturer Name:	Amilcar Aponte
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Student Number:	2020303

Declaration

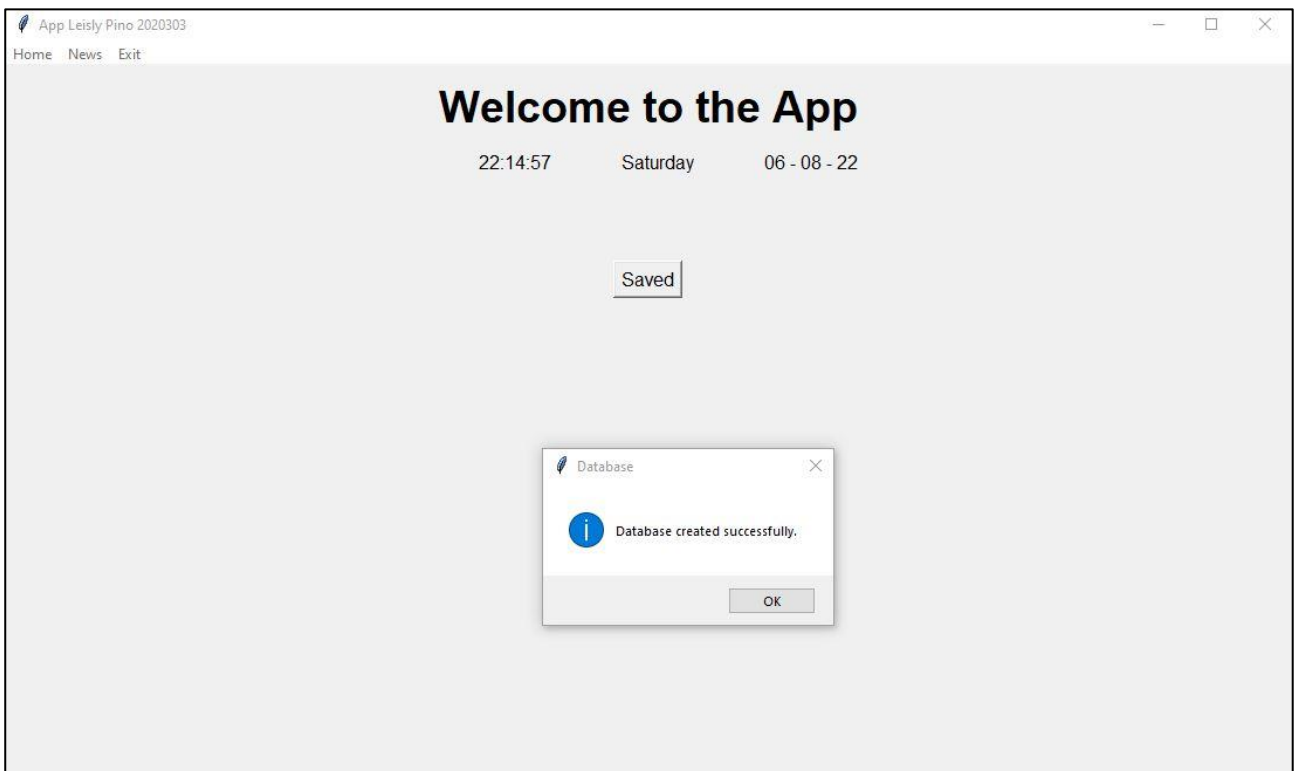
By submitting this assessment, I confirm that I have read the CCT policy on Academic Misconduct and understand the implications of submitting work that is not my own or does not appropriately reference material taken from a third party or another source. I declare it to be my own work and that all material from third parties has been appropriately referenced. I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution.

News Room

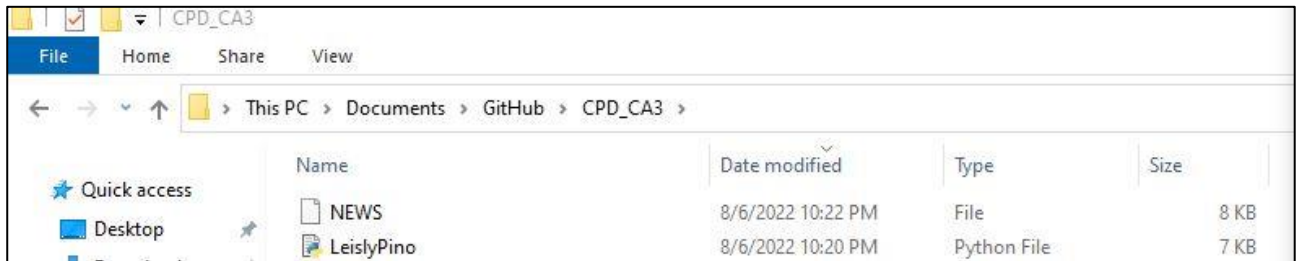
1. The application has a menu with three sections. In the first **Home** section we can see that it contains "Connect" which has the function of creating the database where the information will be stored and "Restart" cleans the Labels where the information is displayed.



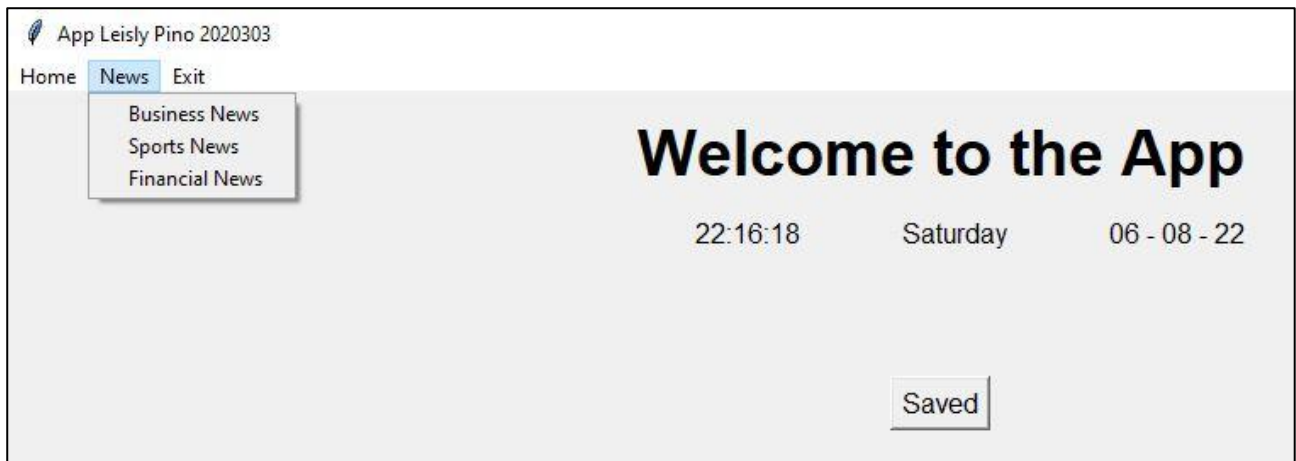
2. Dialog showing that the database was created



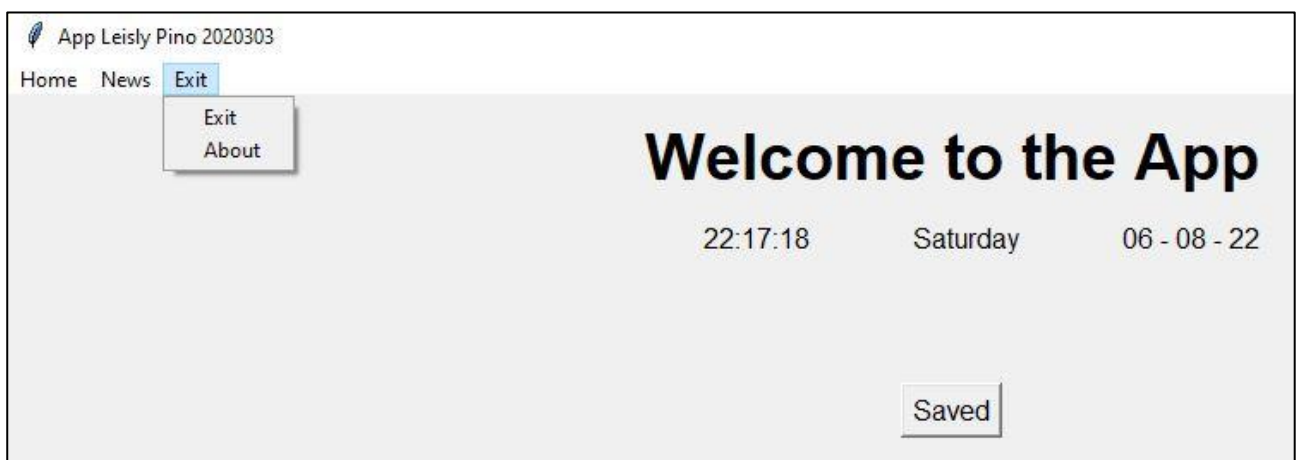
3. The database is created in the same folder where our saved python file is located.



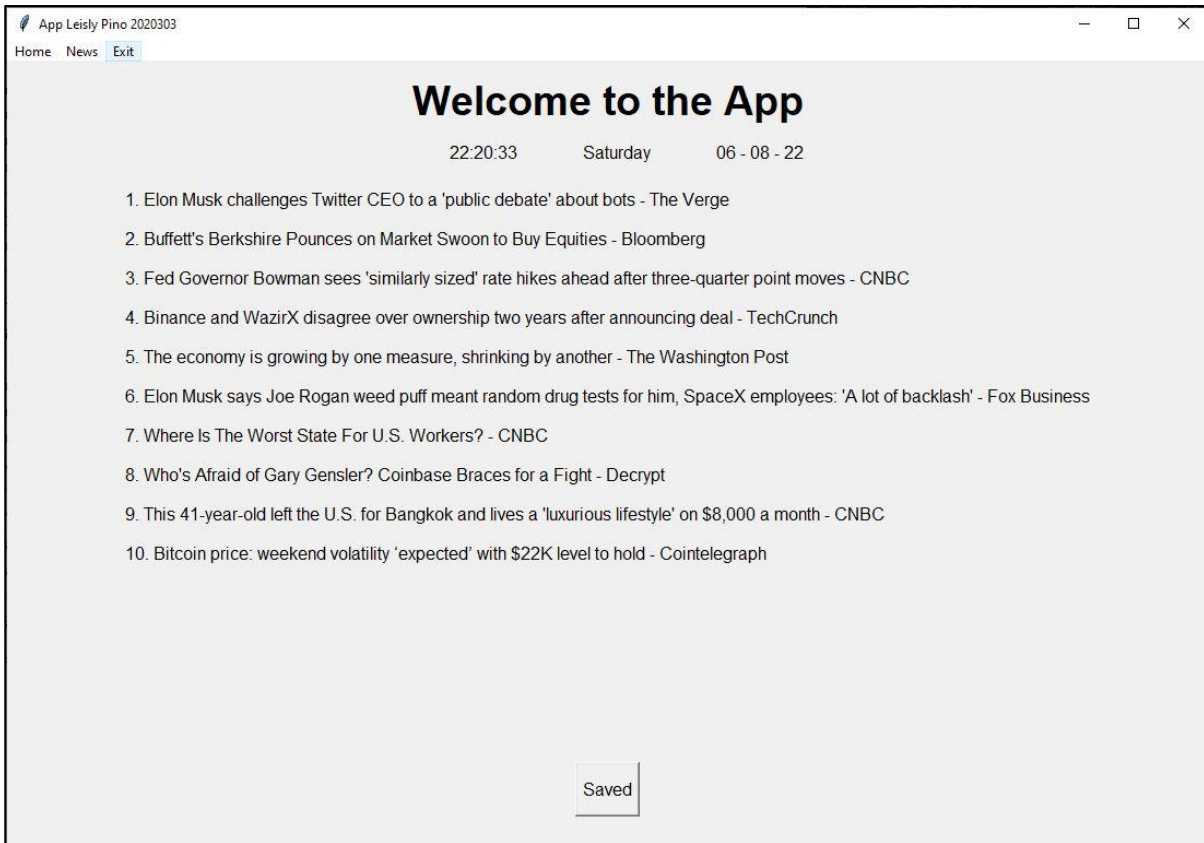
4. The second **News** section shows the three options that the user has to see the news, they are linked to the News API and are configured by category Business, Sports and Financial news.



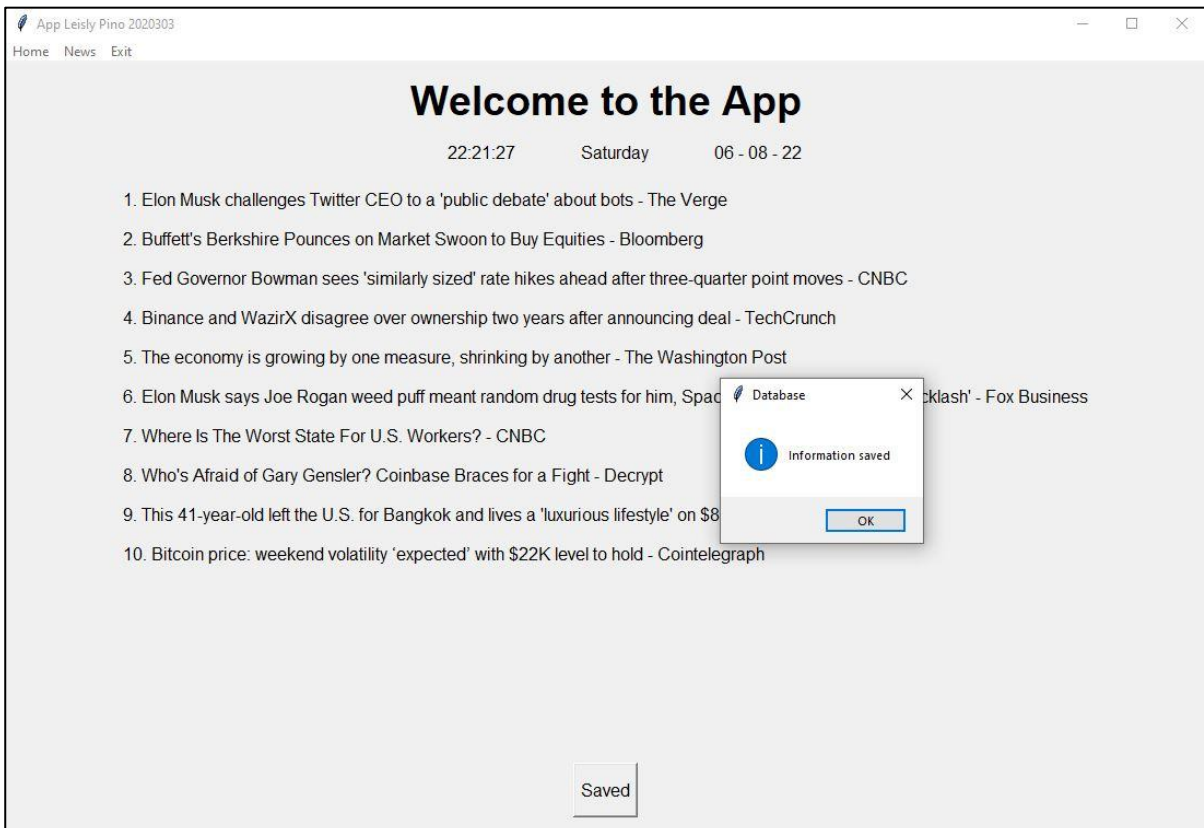
5. The last section of the menu is **Exit**, it contains the function of Exiting and About the app.



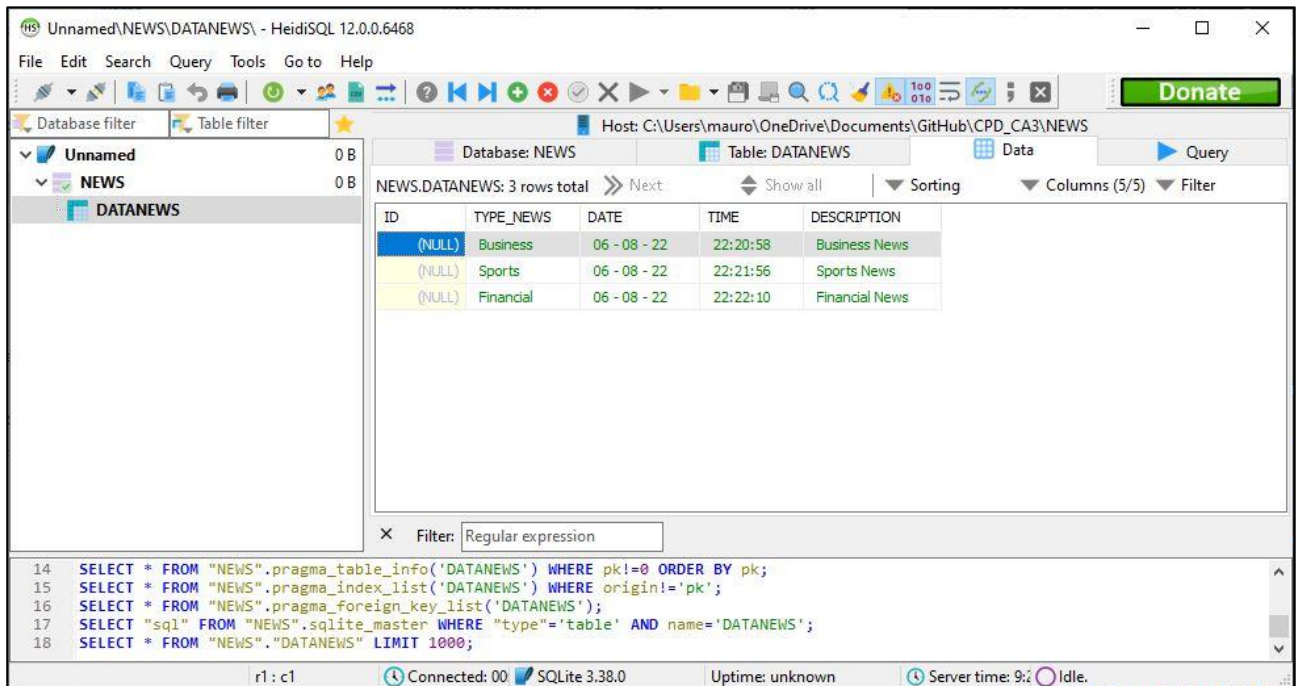
6. Note how the news items numbered from 1 to 10 and the button to save the information in the database are displayed.



7. Confirmation message that the data has been saved successfully.



8. The information that has been saved is checked in the database.



HeidiSQL 12.0.0.6468

Database: NEWS Table: DATANEWS

NEWS.DATANEWS: 3 rows total

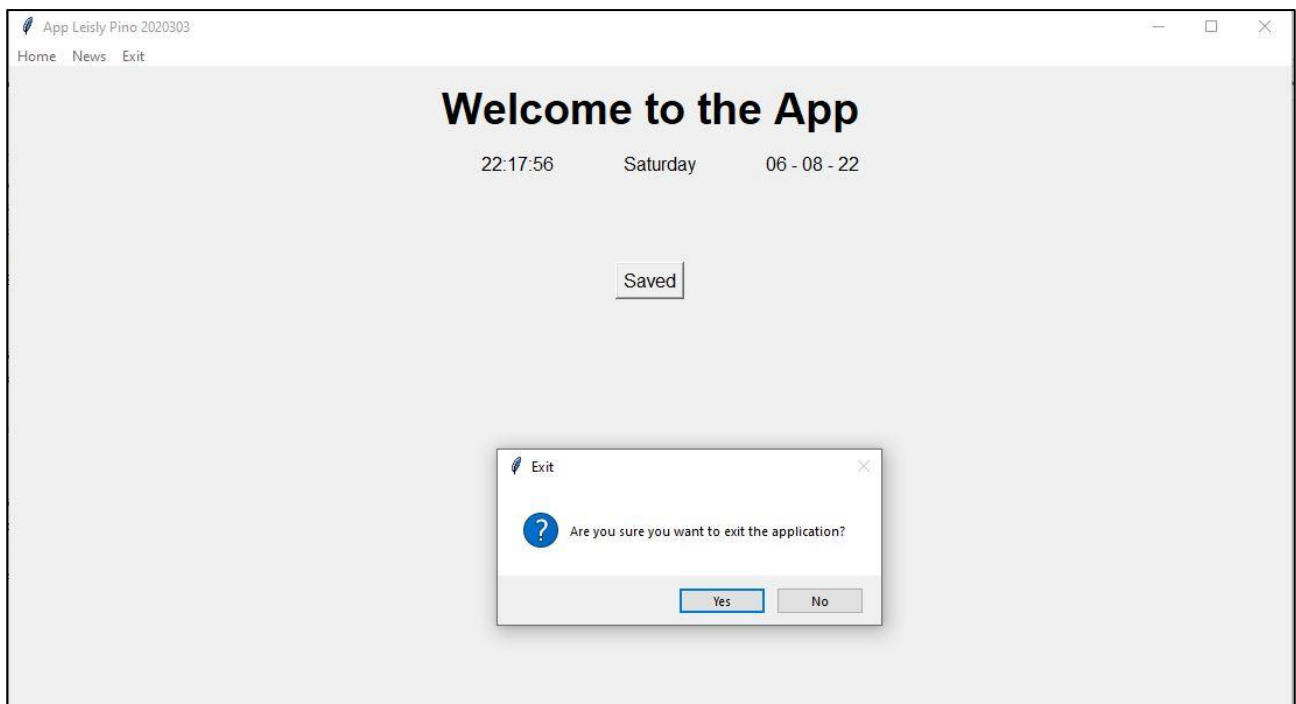
ID	TYPE_NEWS	DATE	TIME	DESCRIPTION
(NULL)	Business	06 - 08 - 22	22:20:58	Business News
(NULL)	Sports	06 - 08 - 22	22:21:56	Sports News
(NULL)	Financial	06 - 08 - 22	22:22:10	Financial News

Filter: Regular expression

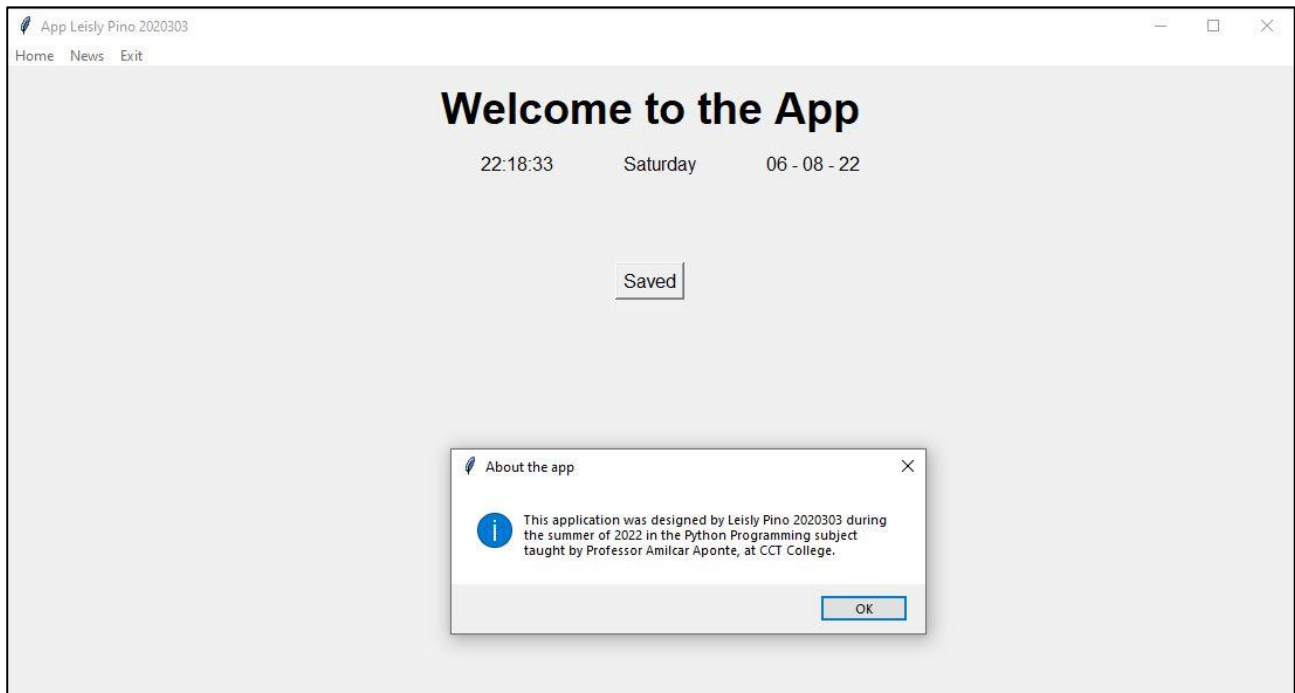
```
14 SELECT * FROM "NEWS".pragma_table_info('DATANEWS') WHERE pk!=0 ORDER BY pk;
15 SELECT * FROM "NEWS".pragma_index_list('DATANEWS') WHERE origin!='pk';
16 SELECT * FROM "NEWS".pragma_foreign_key_list('DATANEWS');
17 SELECT "sql" FROM "NEWS".sqlite_master WHERE "type"='table' AND name='DATANEWS';
18 SELECT * FROM "NEWS"."DATANEWS" LIMIT 1000;
```

Connected: 00 SQLite 3.38.0 Uptime: unknown Server time: 9: Idle.

9. MessageBox to confirm the exit of the app.



10. MessageBox that shows information about the app.



Conclusion

In this application, the decision was made to be developed through Tkinter since it makes the environment easier and more attractive for the user. Unfortunately, the final objective of this project could not be achieved by allowing the user to choose the news of their interest and save it, since the while function that was tried to achieve it marked errors when the user selected a news item and the database saved all the items with the same id. Even so, with this impediment, the elaboration of this project continued, giving attributes to save when the user chooses the news of interest and the user is shown the most recent titles. An id, the type of news, the date, time and description (pre-established depending on each type of news) are stored in the database. The date and time have been programmed to be displayed in real time and the clock changes every second that pass.