

Algoritmos Y Programación II

Final Project: Enjoy Quarantine!-Second part

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With the recent pandemic caused by COVID-19, many people have been forced to isolate in their houses, giving their daily routines a radical turn. Being used to totally different rhythms of life, lots of people have faced difficulties to reorganize their activities so they can work or study from their homes. Because of this, it has been decided to develop a project which consists in an application that will help people control their habits. Even though the application, which will be known as "EnjoyQuarantine!" will be of free access, it will also possess premium functionalities. Some of the public access functionalities will be: enter and save different activities, get recommendations to take care of your health, put reminders, see the general information of other users, listen music while using the application and read the motivational quote of the day.

JUSTIFICATION

The project is designed to be a temporal application. This is because its main objective is to make people's lives easier during the quarantine imposed due to the COVID-19, so it will be disposable when the quarantine's over. Therefore, it's not necessary for the project to reach great depth, making it achievable by a single person.

FUNCTIONAL REQUIREMENTS

FR1. Create activities based on the data entered by the user.

FR2. Save the activities entered by the user.

FR3. Add a new account. For this, the program requires user data, such as his name, username, password, birthdate, gender, height and weight to be entered.

FR4. Show the motivational quote of the day.

FR5. Show recommendations with which the user's health can be improved/maintained.

FR6. Search an account based on the username of the user to be found.

FR7. Play music while the user is using the application.

FR8. Add a reminder.

FR9. Show the reminders that the user added or indicate that there's none.

FR10. Show the general data of all users.

NON-FUNCTIONAL REQUIREMENTS

NFR1. Serialize users information.

NFR2. Read the text file containing sanitary recommendations.

NFR3. Read the text file containing motivational quotes.

NFR4. Deserialize users information.

Implemented requeriments

- Add an account: it is implemented in class EnjoyQuarantine.
- Add a motivational quote: it is implemented in class EnjoyQuarantine and MotivationalQuote.