Algoritmos Y Programación II Final Project: Enjoy Quarantine! Author: Alejandra Díaz Parra

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.** Create a new account. For this, the program requires user data, such as his name, username, password, age, gender, height, weight and country 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.

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## **NON-FUNCTIONAL REQUIREMENTS**

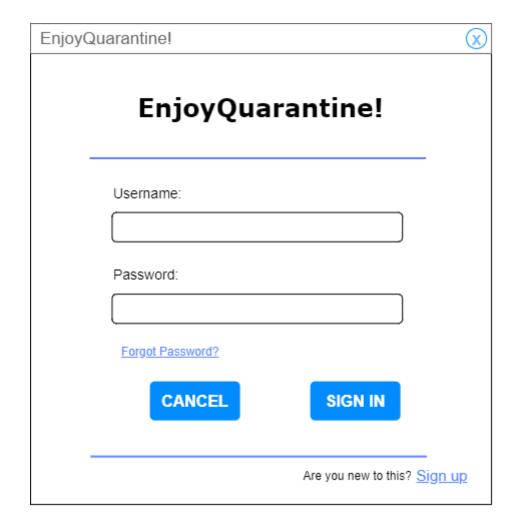
**NFR1.** Serialize users information.

**NFR2.** Read the text file containing sanitary recommendations.

**NFR3.** Read the text file containing motivational quotes.

**NFR4.** Deserialize users information.

## **SKETCHES**



This is the sketch of the login interface of the application. It will be the first screen that the user will see when he runs the app.

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EnjoyQuarantine!	X
Register	
Name	Gender
Username	Height (cm)
Password	Weight (kg)
Age	Country
	Register

This sketch is the register interface of the application. It can be accessed from the login screen, and in this screen the user will enter his information to create an account in the application.