Task Management System

Introduction to Programming

CMPT 120L

Marist College
School of Computer Science and Mathematics

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Final Project Progress Report Phase #1

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Project Progress Report 01 of Task Management System

Team Name
MC Squared

Team Members

1. Andrew Lombardo andrew.lombardo1@marist.edu (Team Head)
2. Benjamin Brandt benjamin.brandt1@marist,edu(Team Member)
3. Nicholas Muratore nicholas.muratore1@marist.edu (Team Member)
4. Christopher Castillo christopher.castillo1@marist.edu (Team Member)

Description of Team Members

1. Andrew Lombardo
My name is Andrew Lombardo, and I am a freshman here at Marist. I have been programming for around nine years, mainly using Java. My current team is the same team I've been with for the rest of the year, so I am comfortable and confident in their abilities. The reason I am a team leader is that I took the initiative first by creating the documentation, GitHub repository, and got the team organized in our objectives.

2. Benjamin Brandt
I'm a freshman at Marist studying Computer Science with a concentration in Software Development. This is the group I've worked with for the last few InClass projects, and I thought we worked well together. We all have attributes that complement each other, and I think we produced good work. I thought it made sense to continue working with the same group for this project since we all have experience working with each other.

3. Nicholas Muratore
I'm a senior at Marist studying Cybersecurity with minors in CS, IS, and IT. I have broad exposure to Python using it for Quantum Computing and Algorithms, BLE device identification using Pyshark, Administration, Web Development, Automation, and now GUI Programming. This is the same group I've been with all year and I'm excited to work with them further on this project.

4. Christopher Castillo
I am a freshman at Marist studying Computer Science with a concentration in Game Design and Programming. My reason for being part of this group is because I have been working with the members for all group projects and I do not see any reason to be in another group. For this project, we selected Andrew since he took the initiative and created the documentation and the GitHub repository while also organizing the team to figure out all our objectives.

GitHub Repository Address

Repository Address

PROJECT TITLE: TASK MANAGEMENT SYSTEM
Summary: A TASK MANAGEMENT SYSTEM (TMS) DISPLAYS A CALENDAR FOR THE

DESIRED WEEK, MONTH, OR YEAR. ALSO, TMS ORGANIZES PERSONAL TASKS OF DIFFERENT USERS ON A SPECIFIC DAY. THE USERS SHOULD BE ABLE TO SEE THEIR INDIVIDUAL CALENDAR DATA & UPDATE THEM. YOUR TMS WILL STORE THE DATA OF DIFFERENT USER TYPES IN DISTINCT COMMA SEPERATED VALUE (CSV) FILES. THIS SYSTEM SHOULD AT LEAST SUPPORT THE FOLLOWING ITEMS:

1. ADMIN USER IS CAPABLE OF:
    a. HAVING ADMIN USER AND PASSWORD FOR LOG IN (A STRING OF AT LEAST 8 CHARACTERS)
    b. CHANGING THE ADMIN USER AND ADMIN PASSWORD
    c. ADDING A NORMAL USER TO TMS BY CREATING A NEW USERNAME AND PASSWORD. A NORMAL USERS IS NOT ABLE TO DEFINE OR REMOVE OTHER USERS.
    d. REMOVE USERS FROM TMS BY REMOVING THEIR USERNAME, PASSWORD, AND CORRESPONDING RECORDED DATA.
2. EACH USER SHOULD BE ABLE TO:
    a. ADD A TASK TO TMS. THE TASK CONTAINS: TITLE, TIME, DURATION, AND DESCRIPTION
    b. REMOVE A TASK
    c. EDIT A TASK'S DETAILS
    d. SEARCH THROUGH TMS BASED ON TIME, TITLE, OR DURATION AND LIST THE RESULTS ON THE SCREEN. FOR INSTANCE, IT SHOULD BE ABLE TO LIST ALL SCHEDULED WORKS FOR ONE DAY
3. TMS SHOULD BE A USER-FRIENDLY SOFTWARE, SUCH THAT:
    a. IT SHOWS A WELCOME PAGE AND PROVIDES A MENU OF ALL FUNCTIONS TO THE USER IN ALL PAGES
    b. IT ILLUSTRATES THE REPORTS IN A TABULAR FORM. FOR INSTANCE, IT DISPLAYS A WELL-ORGANIZED CALENDAR OF EVERY MONTH, OR YEAR.
    c. IT SHOWS A WARNING IF A USER TRIES TO INPUT CONTACT INFORMATION WITH A NAME THAT EXISTS IN THE HISTORY.
    d. TMS SHOULD PROVIDE AN EXIT FUNCTION AND THANKS THE USER FOR USING THIS SOFTWARE.
4. OPTIONAL: TMS SHOULD PROTECT THE USER INFORMATION, SUCH THAT:
    a. TMS PASSWORDS AND THE RECORDED INFORMATION SHOULD BE CIPHERED. IN THE SIMPLEST CASE, YOU CAN USE CAESAR CIPHER METHODOLOGY. THE EASIEST WAY TO UNDERSTAND THE CAESAR CIPHER IS TO THINK OF CYCLING THE POSITION OF THE LETTERS. IN A CAESAR CIPHER WITH A SHIFT OF 3, A BECOMES D, B BECOMES E, C BECOMES F, ETC. WHEN REACHING THE END OF THE ALPHABET IT CYCLES AROUND, SO X BECOMES A, Y BECOMES B, AND Z BECOMES C.

Samples:

1. A DESCRIPTION OF TOP TMS: https://project-management.com/calendarsoftware/