Contact Management System

Database Management

CMPT 308N

Team Purple

Marist College

School of Computer Science and Mathematics

Submitted To:

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Table of Contents

Project Progress Report 01 of Contact Management System

Team Purple

Team Members

1. Christelle Bernardin   Christelle.Bernardin1@marist.edu (Team Head)
Hi, I'm Christelle, I'm a junior. I'm a Mathematics major and Computer Science minor. I like listening to music, sleeping, and Blue Raspberry Sour Patch Kids. I believe that Bitaniya and Grace are excellent students and we are capable of creating an incredible project together. I also think they are great people. I was chosen to be the team head, as I've had experience with SQL before and I'm happy to be taking on this position.

2. Bitaniya Getu   Bitaniya.Getu1@marist.edu (Team Member)
My name is Bitaniya. I'm an international student from Ethiopia and I'm majoring in Computer Science. I have a strong interest in learning how databases are structured and managed, as I believe these skills are essential in today's data-driven world. My interests include reading books, braiding hair, video games, sewing, and general creation of things. I am excited to work with everyone, and I think we will work well together. We chose Christelle to be our team head because she seemed organized and was willing.

3. Grace Markus   Grace.Markus@marist.edu (Team Member)
My name is Grace. I am a Data Science Major and Biology Minor. Some of my favorite things include reading, water polo, and surfing. I'm a sophomore and have taken Intro to Programming and Software Development I. I wanted to work with my team members because they seem like great people who would be amazing teammates. Christelle is our team head because she is a very capable programmer and is going to be a great leader for us.

Project Description and Objective

Project Objective:

        To create a contact management system using SQL that simplifies the process of managing, storing, and retrieving contact data. While guaranteeing data accuracy and security, the system will enable essential features including adding, updating, removing, and searching contacts. The project's goal is to provide a simplified method for overseeing interpersonal and business contact information.

Project Description:

        This contact management system records various information accurately using SQL. This system will be an easy way for users to store their contacts with additional features to make their data more comprehensive, such as grouping contacts into categories and easily searching contacts. Users will be able to store information such as their first and surname, cell phone number, home number, email address, gender, and more, and search through contacts based on any one of these features. In addition to the base features in other contact management systems, our team has planned on creating visual relationships between contacts and automatic contact updates.

Review the Related Work

Apple Contacts

Positives	Negatives
● User friendly, the interface isn't too complicated to use ● Able to search through contacts ● Syncs across all Apple devices	● Tedious to remove contacts ● Limited in cross-platform support ● Lack of advanced search filters

Contacts+

Positives	Negatives
● Supports cross-platform capibility ● Easily delete, add and update contacts ● Contacts can be synced	● Some features require payment ● Quite complex to use due to many features

Google Contacts

Positives	Negatives
● Easy to add colleagues ● Syncs across devices with Google accounts ● Integrates with other Google Workspace apps	● Issues with data privacy and Google's data practices ● Limited customization options for contacts

Additional Capabilities of our Contact Management System:
1) Visual relationship mapping: Create a visual connection among related contacts
2) Implement a system that automatically updates contact based on their publicly available information or changes

Why users should choose our product?

Our contact management system simplifies and secures your contact data with easy-to-use features. You can organize, update, and manage your contacts effortlessly. It offers detailed storage, optimized search, visual relationship mapping, and automatic updates from public sources, all built on a reliable SQL foundation.

GitHub Repository Address

https://github.com/Christell3/CMPT308N_ContactManagementSystem_TeamPurple.git