

Client Management system

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0. Terms and definitions

- Users refer to the party that will be using the system in order to test the System

1. Problem statement

Binary City needs a Client Management System that displays Client Codes as well as their contacts details. The system aims to evaluate and assess the programming Skills of Dan Kibwika.

2. Solution

With the aim of focusing on the problem presented we came up with a Full functional system that enables clients to be registered using their Company's name is Code to navigate through the registry.

3. Functional requirements

- The user can create new Client
- Add Contact
- View the No.Of linked Conacts
- Views the updates Client information entered

4. Non Functional requirements

Client Form

- Name input field type is Textbox left aligned
- Client code textbox readonly and generated by the system (left aligned)
 - If the Client name is less than 2 Character, generate a random character and couple it with 3 interger

- If the client name is made up of more than 3 characters and written in a single word take the 3 first letters and build an acronym and add 3 integers
- If the client name is greater than 3 characters and has more than 2 words, build an acronym and add 3 integers

The number ensures that the code is unique

Contact Form

- Name textbox left aligned
- Surname left aligned textbox
- Email left aligned textbox
- No. Of linked Contact, counts the number of Client to which a contact is linked

5. Tool used

- Xampp as the Local server
- Visual studio for Coding
- Gmail for communication
- Word for documentation
- GitHub for Code sharing
- Chrome and Edge for Testing
- YouTube for documentation

6. Programming languages used

- HTML
- CSS
- JS
- PHP
- MYSQL

7. What was done and what was not done ?

What was done	What was not done
The user is able to create new clients	MVC being a new concept was not fully implemented
The user can view the new records	No ER diagram was implement, No Flowchart was implemented
Error messages are displayed accordingly	
Upon creation of a user Notifications Messages are displayed	Not all exceptions have been set
Code are generated by the system against SQL unique key identifier	
No duplicate Code function has been implemented	The User can't add new Contact yet
The user can open to view the contact section	The Fetch function for the Contact isn't functional

8. Conclusion

In conclusion, while the system's functionality goals have been achieved, there remains room for improvement. Throughout the process, I have learned new concepts, and I am eager to continue enhancing my skills and knowledge. Although the development timeline posed challenges, the core functionalities were successfully implemented, providing a solid foundation for further refinement and optimization. Thank you!