Delphi

Education:

- Learned Delphi programming language from Grade 10 to Grade 12.

Experience Level:

- Intermediate

Projects: (I do not have code snippets or screenshots of my projects as I deleted them when I finished with school thinking I might not need it anymore)

Grade 10: Hotel Booking System

- Developed a hotel booking system as a class project.

- Implemented features:

  - User authentication with login and registration, including OTP verification.

  - Utilized tab control for efficient navigation through different pages.

  - Booking functionality for various rooms with different prices.

  - Calculation of total price based on selected dates and nights.

  - Confirmation email sent to users with booking details.

Grade 11: Rugby Scores Program

- Created a scores program for a rugby tournament.

- Key features:

  - User roles: coach, admin, and team captain with specific functionalities.

  - Dynamic addition and removal of teams from the database.

  - Recording scores after each game with date tracking.

  - Search functionality for teams and their scores.

  - Displayed winners of each round and final winners.

Grade 12: Green Products Store Program

- Developed an eco-friendly store program for selling green products.

- Notable features:

    - Multi-role authentication: user, admin, and special admin access for navigation through tables.

    - Use of radiobox to display additional product information.

    - User reviews and confirmation through OTP for email validation.

    - Receipt generation for purchases, including a grand total.

    - Contribution system for users to 'send money' to support environmental causes.

    - Database management for client information and purchase history.

Technical Skills:

- Proficient in:

    - Loops (if, nested if, while, nested while, for, nested for, repeat).

    - Object-Oriented Programming.

    - Arrays and 2D Arrays.

    - Middleware.// for adding an OTP test

    - ADO Tables.

    - Reading and writing to text files, Microsoft Access databases.

    - SQL.

    - UI development and coding.

    - Validation techniques for user input.

    - OTP implementation for email verification.

    - Page control and navigation through forms and tables.

    - Checkboxes