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Tiaan Van der Walt



Summary

I was in an Accelerated Christian Education school called Boksburg Christian Academy. I started with GED in September 2018. I completed it in August 2019 and got my Matric. I then started studying IT at BelgiumCampusTiversity in the year 2020. I first started with a certificate due to my matric qualification. Now I'm currently completing 2nd year diploma in Software-Development. Next year I would like to start with my Bachelors-Degree.

Goals

My goal is to get my Bachelors-Degree in IT and get a job in the Cape. I would like to work as a Software-Developer, Web-Developer or a Artificial Intelligence (AI) Engineer. I plan on working for a few years to gain experience in the IT business world. Eventually I would like to start my own IT company.

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Full Name:

Tiaan Van der Walt

Identity No:

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Date of Birth:

27/08/2001

Nationality:

South African

Language:

English / Afrikaans

About me

I am a student at BelgiumCampusTiversity studying IT. I'm currently in my 2nd year of diploma, and next year I would like to start with the Bachelors-Degree. I enjoy working with computers and from a young age I have had a lot of experience with technology. I am an honest, hard working and determined person. I am always committed to a given deadline. If I am given an opportunity, I will try to do my best with the task at hand.



Skills

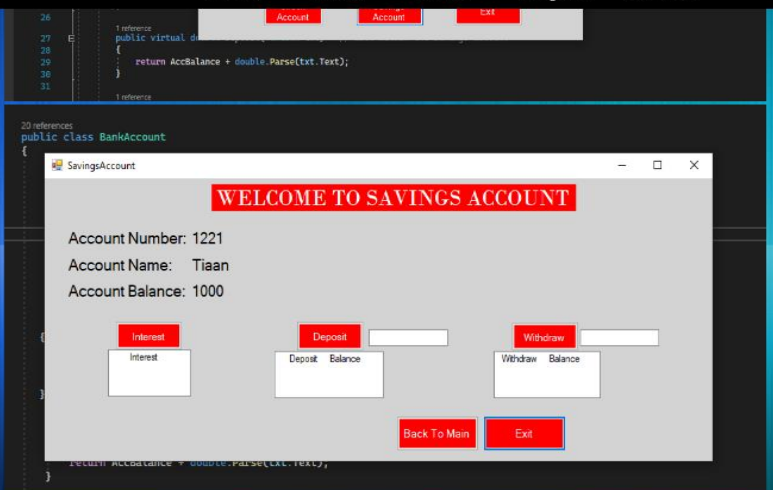
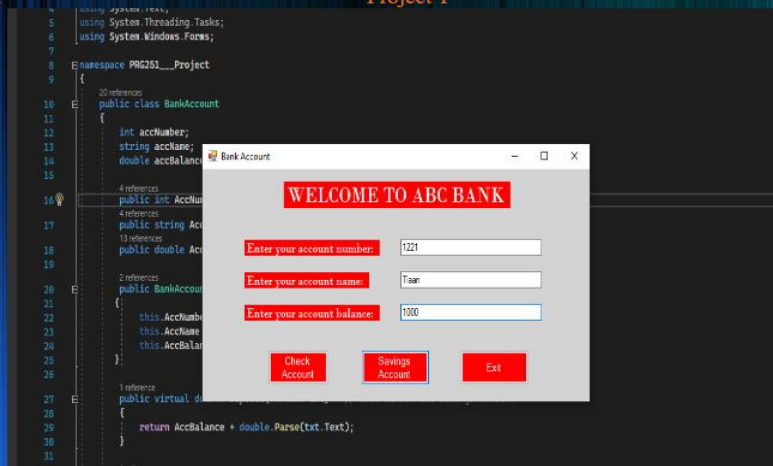
- Creative Thinking
- Team Leadership
- Multitasking
- Organization
- MS Word
- Excel
- SQL
- HTML
- CSS
- JavaScript
- C#

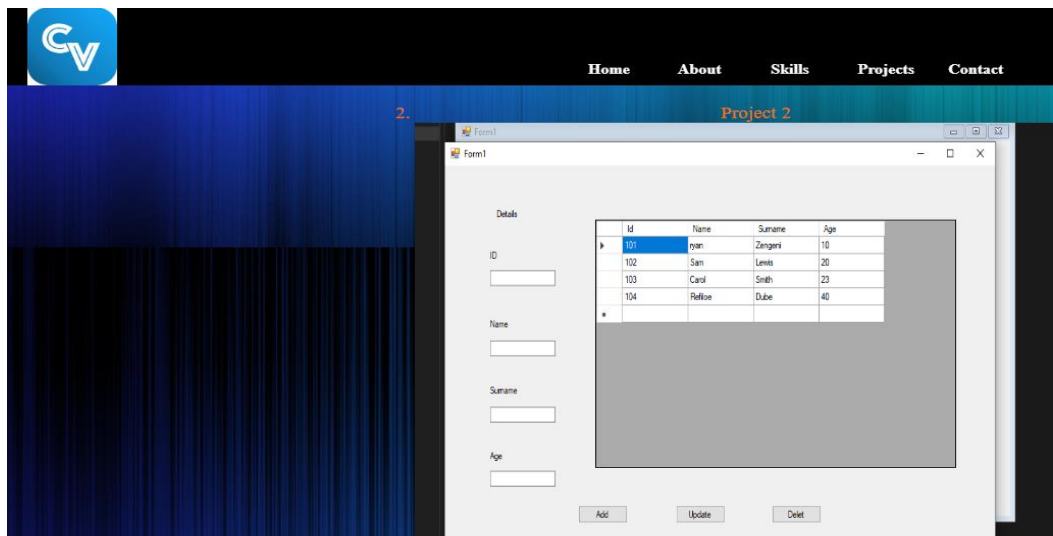
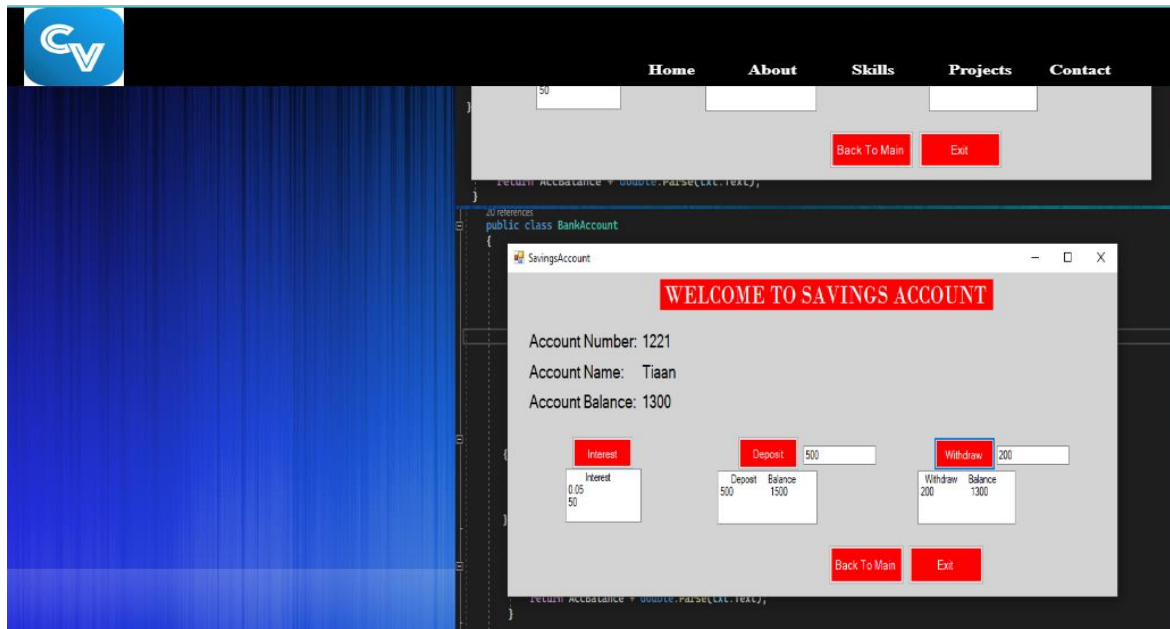
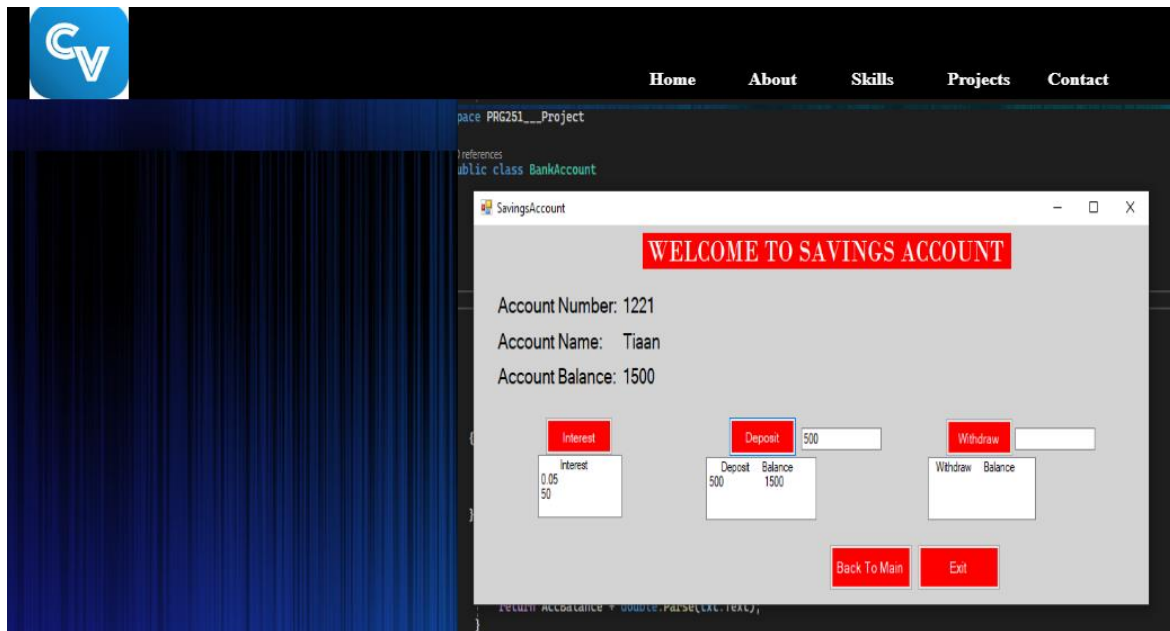


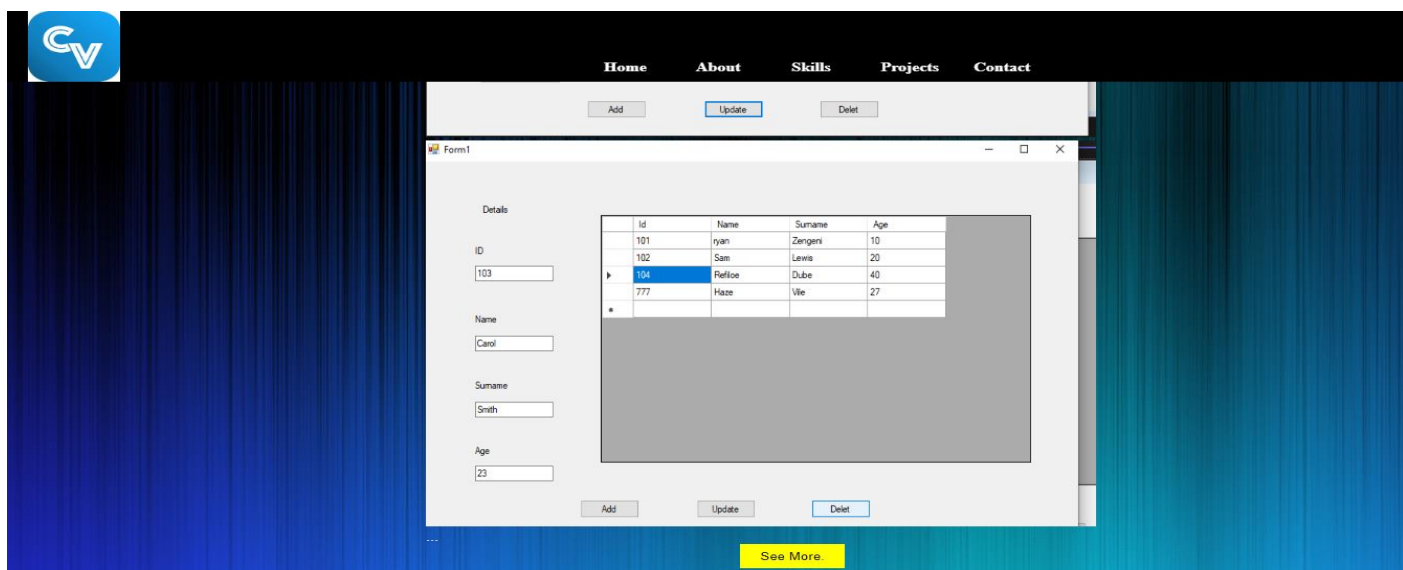
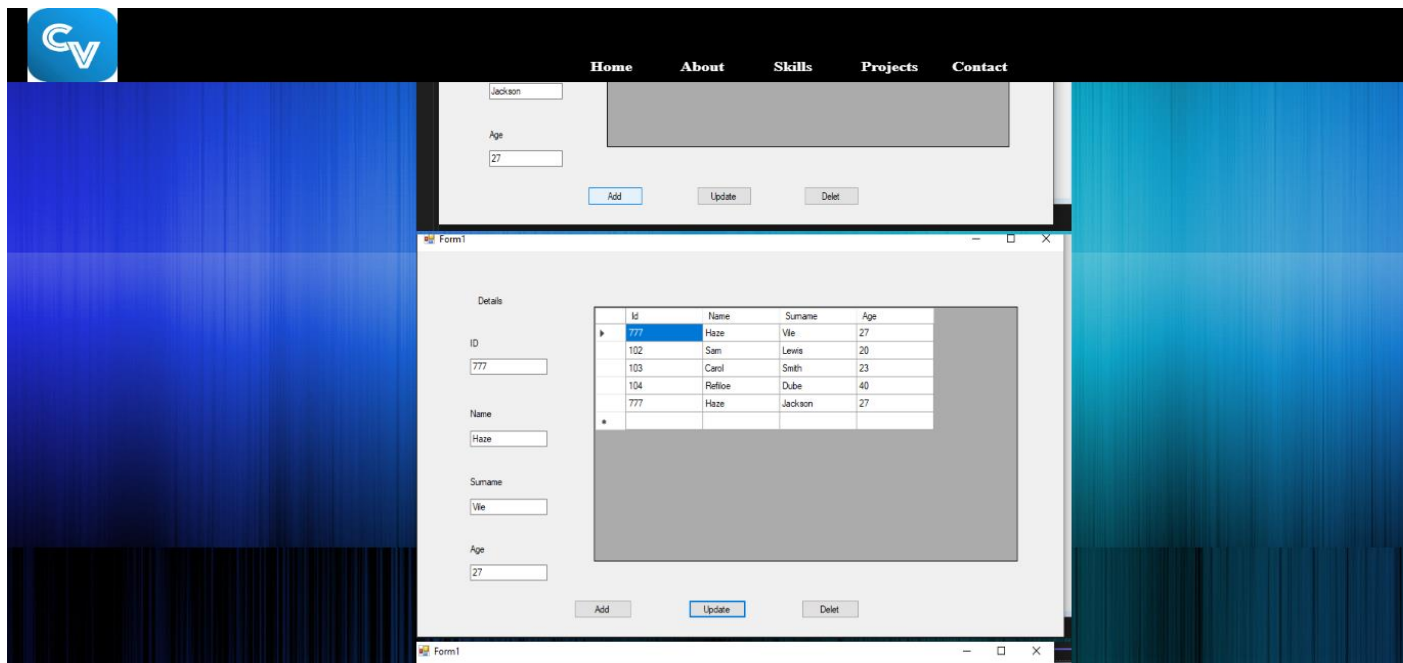
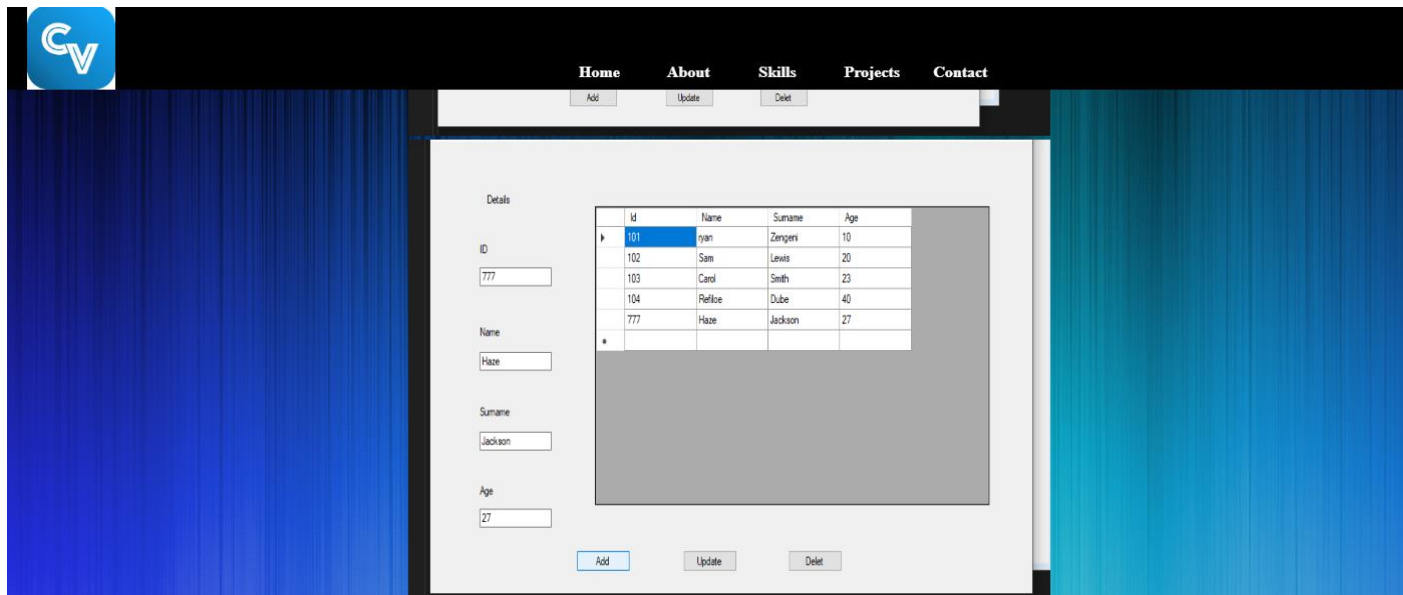
Projects

1.

Project 1









3.

Project 3

```
1 #include<iostream>
2 #include<opencv2/highgui/highgui.hpp>
3 #include<opencv2/imgproc/imgproc.hpp>
4 #include<opencv2/objdetect/objdetect.hpp>
5 #include <fstream>
6 #include <iomanip>
7 #include <string>
8 #include <stdlib.h>
9 #include <vector>
10 #include <map>
11 #include <windows.h>
12 #include <stdlib.h>
13 #include <uchar.h>
14
15 using namespace cv;
16 using namespace std;
17
18
19 class Cam //class for the camera
20 {
21 public:
22     bool Camera;
23     bool faceDetected;
24     bool eyesDetected;
25 };
26
27 class Face //class for (user's face) and (user's eyes) using properties
28 {
29 private:
30     bool userFace;
31     bool userEyes;
32     Cam Camera;
33
34 public:
35
36     int get()
37     {
38         return userFace;
39         return userEyes;
40     }
41
42     int set()
43     {
44         userFace = Camera.faceDetected;
45         userEyes = Camera.eyesDetected;
46     }
47 }
```



```
37     int get()
38     {
39         return userFace;
40         return userEyes;
41     }
42
43     int set()
44     {
45         userFace = Camera.faceDetected;
46         userEyes = Camera.eyesDetected;
47     }
48
49
50
51
52
53 __declspec(dllexport) int Test() { //needed for it to run
54     return 213;
55 }
56
57 __declspec(dllimport) int Test(); //needed for it to run
58
59
60 int main() {
61     std::cout << Test() << std::endl; //needed for it to run
62
63     int x_axis; //declaring co-ordinate value
64     int y_axis; //declaring co-ordinate value
65
66     Cam userFace{};
67     Cam userEyes;
68
69     CascadeClassifier cascade, nestedCascade;
70     double scaling = 1;
71
72     Mat frame; //declaring a video frame
73     namedWindow(winname="Detect");
74
75     VideoCapture image(0); // to access default camera
76     CascadeClassifier UserFace, UserEyes;
77     UserFace.load(&strstream:"C:\\opencv\\sources\\data\\haarcascades\\haarcascade_frontalface_alt.xml");
78     UserEyes.load(&strstream:"C:\\opencv\\sources\\data\\haarcascades\\haarcascade_eye.xml");
79
80     if (!image.isOpened()) //isOpened is a built in function. if no image is detected display an error message
81     {
82         cout << "Couldnt load video, make sure your camera is connected and working." << endl;
83         system(&_Command_;"pause");
84         return 0; //couldnt detect camera so it = false (0)
85     }
86
87     else if (image.isOpened())
88     {
89         cout << "Camera Detected." << endl;
90
91         while (1) //while camera is detected return true (1)
92         {
93             image >> frame;
94             std::vector<Rect> userFace; //this is a built in function. we declare a vector face
95         }
96     }
97 }
```


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Contact me

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