**Atlantic Childcare Center Students Management System**

The student management system is developed on python3.8 version with Sqlite3 database. Based on Object Oriented programing theory, it will provide 7 functions for users as following:

Part 1. Add new student

Part 2. Delete a student

Part 3. Inquiry a student information

Part 4. Modify a student

Part 5. Show all students information

Part 6. Save students information

Part 7. Exit system

For the project code part, I will create 3 modules as following:

**Module 1: student.py**

Define one student class which will have all the attributes for a student, such as name, student ID, Gender, Age, Parent name, contacting number, Address, payment info, by its \_\_init\_\_

Method, and will define a \_\_str\_\_ method for its output information.

**Module2: Studentmanagement.py**

Define one Studentmanage class which will run a menu for users to choose from the above list. Then I will define all the functions to complete the tasks inside that class.

**Module3: main.py** This is the main entrance of the whole project. In this module, I will create a sqlite3 database for the student management system to store all the students’ records first. Then I will create a studentmanager object by using Studentmanage class. Finally I will let it run its menu for customer service.

In order to simplify costumers’ operation, I will define a student list in the main module. When the studentmanagement system running, it will load all the records from the database. Then all the following operation will be toward the student list. Users will not operate sqlite3 database in the system which is very difficult to understand. When users complete their operation, they just need to choose “save student information” to write all the records back to the database. The system will close and exit.

The student management system will provide a management software for Atlantic Childcare

Center operation which I used to have and sold in 2019. During the time of owning, I used to make an Excel file to do the work, however it is not clear and easy for use when we just want to search one of its student information. The project will make an easy way for the new owner to operate his business.