

CSE3001 - Software Engineering Lab

Lab 4 - 05/08/2020 ARVIND CB [19BCE1221]

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Lab slot - **L49+L50**

Points to note:

1. All the class structures that are given here are done by me with my own thinking and creativity.
2. These classes in the particular modules are subject to change during the development of the project depending upon requirements and this is not final.
3. The tentative structure of my project functioning as per modules is split and given neatly below.

Tentative Modules in my RESTAURANT SELECTOR project

MODULE 1 - Customer Usage

```
class Customer{  
    string name;  
    string email;  
    string password;  
    int age;  
    long double phone;  
public:
```

```
void SignUp(){
}
void Login(){
}
void UpdateDetail(){
}
void DelAcc(){
}
void changeUsername(){
}
void changePassword(){
}
};
class Restaurant{
    string name;
    string reviews[n];
    float avgrating;
    bool rec;
public:
    void insertReview(){
    }
    void delReview(){
    }
    void showReview(){
    }
```

```

        void modReview(){
        }
};
class Complaints : public Customer{
public:
    void postComplaint(){
    }
    void viewComplaint(){
    }
    void delComplaint(){
    }
};

```

MODULE 2 - For the usage of the employee

```

class Employee : public Customer, public Restaurant, public
Complaints{
    string name;
    long int empid;
    string pass;
    string email;
public:
    void delCustomer(){
    }
    void delReview(){

```

```
    }  
    void replyComplaint(){  
    }  
    void modifyCompaint(){  
    }  
    void resetPass(){  
    }  
    void Login(){  
    }  
    void Resign(){  
    }  
    void delHotel(){  
    }  
    void editReview(){  
    }  
};  
class Manager : public Employee{  
public:  
    void signUp(){  
    }  
    void retire(){  
    }  
    void dismiss(){  
    }  
    void suspend(){
```

```
    }  
    void accountant(){  
    }  
};
```

MODULE 3 - Accountant

```
class Accountant : public Employee{  
    string mail;  
    string password;  
public:  
    void login(){  
    }  
    void updateSal(){  
    }  
    void showSal(){  
    }  
    void communicate(){  
    }  
    void resign(){  
    }  
    void resetPass(){  
    }  
    void view(){  
    }  
};
```

MODULE 4 - Admin

```
class Admin : public Employee, public Customer, public Restaurant{  
    string username;  
    string password;  
public:  
    void removeEmp(){  
    }  
    void removeCust(){  
    }  
    void Login(){  
    }  
    void resetPass(){  
    }  
    void promoteAsAdmin(){  
    }  
    void Manage(){  
    }  
};
```