Contribution document for group (**GROUP ID: 14)**

Members: **Faaris Khan 19075251(Group Leader), Anuk Silva 19078187 and Siddarath Kumar 19075068**

Anuk Silva 19078187:

The classes which I have created and developed are the Admin, Guest, GuestForm, Person and StaffMember class. In addition to this, I have also created an interface for the Admin class which will group the related methods for the empty bodies of the Admin class. Also, I have contributed to the development of the FileInputOutput class by creating the writeGuestsToGuestsFile method, the printGuestDetails method, the viewGuestsPastAndPresent method and the viewGuestsHashMap method. In order to create unique guests I implemented a LinkedHashMap which will store key-value pairs where the key will be guest's bank account number and the value will be the first name of the guest. The linked hash map will only store the guest's bank account number and the first name only if the guest's bank account number is not an already existing key in the hash map. If the guest's bank account number does not exist, the account number and first name of the guest will be put into the hash map. I have also included functionality within the Admin class which will allow the staff member to remove a guest from the hash map based on the staff member's input key.

Siddarath Kumar 19075068:

The classes which I have created and developed consist of ExtraFeatureTypes, FeaturesMenu, GuestMenu, GuestMenuErrorHandling, GuestsBoookingCart, GuestsTypeMenu, GuestType, LocationMenu, LocationType, Products, RatingType, RoomAvailableType, RoomMenu, RoomType and VacancyType. I have also created the interface class for the GuestMenu class which is called GuestMenuSelections and consists of all methods the GuestMenu class needs to implement. In addition to that, I have also contributed to the FileInputOutput class by creating the addGuestBooking, guestConfirmation and viewGuestBookings methods where data is written and read from the text file using print writer and buffered reader. When deciding to store items in the hotel locations, rooms, guest types and features menu for my classes I decided to use an array list opposed to a conventional array because its more flexible in manipulation such as adding, removing, sorting, and selecting an object stored in an array list. Additionally, the array list would provide for better scalability as you can easily add more items to it and hence array lists allow us to have more functionality when coming to program the menus and storing data such as the users booked items.

Faaris Ali Khan 19075251:

The classes which I have created and developed are WelcomeApp, WelcomeAppInterface and GraphicsClass, in addition to having most of my classes I had merged as methods into different classes such as to the FileInputOutput class all three-group members collaboratively worked on. This included "AddTextToFAQ" and "AboutUsSection", which uses print writers to append text to a text file, and buffered reader to read the file onto the console output. Also, as the Group Leader I was in-charge of compiling the different code files from the other members into one package and do any editing/troubleshooting needed.

Contribution as a group

As a group we all worked on contributing methods to the FIleInputOuput class for our related classes and we as a group did general troubleshooting and helping each other out when we were stuck.