Programming Project / C++ – Dental Office

Students
Student 1: Paul Soporan
Student 2: Bogdan Marian

I. Task Description

Student 1 Responsibilities:
- Adding and deleting offers (name, price, duration)
- Viewing offers

Student 2 Responsibilities:
- Scheduling, viewing and deleting appointments
- Checking for availability

II. Data Structures Used by the Team

- Appointment: string client_name, Offer offer, string date, string time
- Offer: string name, float price, int duration

III. File Structure

offers.csv
Stores offers in the form: <offer_name>, <price>, <duration>
(e.g. o1 name, o1 price, o1 duration)

appointments.txt
Stores appointments in the form: <client_name>, <offer>, <date_dd/mm/yyyy> <time>

IV. Interacting with Executables

Application 1 Commands:
./app_1.exe view_offers
  View all available offers
./app_1.exe add_offer <offer_name> <price> <duration>
  Add a new offer
./app_1.exe delete_offer <offer_name>
  Delete an offer

Application 2 Commands:
./app_2.exe view_appointments <client>
  View the appointments of the client
./app_2.exe check_availability <date>
  View available time slots for appointments
./app_2.exe schedule_appointment <client_name> <offer> <date> <time>
  Schedule an appointment
./app_2.exe delete_appointment <client_name> <date> <time>
  Delete an appointment