

Assignment 1

(Question 5)

Appointment
- dateOfAppointment: Date - attended: bool - cost: float - dentistName: string
+ Appointment() + reminder(): void + updateCost(cost: float): void + appointmentStatistics(): void

Patient
- patientID: const int - name: string - address: string - contactNumber: string - patientCount: static int - appt: Appointment - cost: float
+ Patient() + incrementPatientCount(): static void + generateBill(): float + bookAppointment(): void + getPatientCount(): int + setName(name: string): void + setAddress(address: string): void + setContactNumber(number: string): void + getPatientID(): int + getName(): string + getAddress(): string + getContactNumber(): string

Receptionist
- employeeNumber: const int - name: string - address: string - gender: char - contactNumber: string - nextOfKin: string - appt: Appointment - firstAidCourseDate: Date - courseProvider: string
+ Receptionist() + chargePenaltyAmount(amount: float): void + setName(name: string): void + setAddress(address: string): void + setGender(gender: char): void + setContactNumber(number: string): void + setNextOfKin(kin: string): void + setFirstAidCourseDate(d: Date): void + setCourseProvider(string name): void + getPatientID(): int + getName(): string + getAddress(): string + getGender(): char + getContactNumber(): string + getNextOfKin(): string + getFirstAidCourseDate(): Date + getCourseProvider(): string

Dentist
- employeeNumber: int - name: string - address: string - gender: char - contactNumber: string - appt: Appointment - nextOfKin: string - qualification: string - dateAwarded: Date - GDCRegistrationNumber: int
+ Dentist() + setName(name: string): void + setAddress(address: string): void + setGender(gender: char): void + setContactNumber(number: string): void + setNextOfKin(kin: string): void + setQualification(qualification: string): void + setDateAwarded(d: Date): void + setRegistrationNumber(number: int) + getPatientID(): int + getName(): string + getAddress(): string + getGender(): char + getContactNumber(): string + getNextOfKin(): string + getQualification(): string + getDateAwarded(): Date + getRegistrationNumber(): int