Coursework Class Diagram – 5COSC019C Object Oriented Programming

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Person

- fName: String
- surname: String
- dob: LocalDate
- mobNum: String
- gender: String

+ getfName(): String
+ getSurname(): String
+ getDob(): LocalDate
+ getMobNum(): String
+ getGender(): String
+ setfName(String fName): void
+ setSurname(String surname): void
+ setDob(LocalDate dob): void
+ setMobNum(String mobNum): void
+ setGender(String gender): void

Consultation

- allocDoc: Doctor
- allocPatient: Patient
- consultDateTime: LocalDateTime
- consultCost: double
- consultNotes: byte[]
- consultImages: ArrayList<byte[]>
- duration: int

+ getAllocDoc(): Doctor
+ getAllocPatient(): Patient
+ getConsultDateTime(): LocalDateTime
+ getConsultCost(): double
+ getConsultNotes(): byte[]
+ getConsultImages(): byte[]
+ getDuration(): int
+ setAllocDoc(Doctor allocDoctor): void
+ setAllocPatient(Patient allocPatient): void
+ setConsultDateTime(LocalDateTime dt): void
+ setConsultCost(double cost): void
+ setConsultNotes(byte[] notes): void
+ setConsultImages(ArrayLst<byte[]> images):
+ setDuration(int duration): void
+ getEndTime(): LocalDateTime

Doctor

- medLicenceNumber: String
- specialisation: String

+ getMedLicenceNum(): String
+ getSpecialisation(): String
+ setMedLicenceNum(String medLiNum): void
+ setSpecialisation(String specialisation): void

Patient

- patientId: String

+ getPatientId(): String
+ setPatientId(String patientId): void

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WestminsterSkinConsultationManager

- doctorList: ArrayList<Doctor>

+ getDoctorList(): ArrayList<Doctor>
+ setDoctorList(ArratLost<Doctor>): void

<<Interface>>
SkinConsultationManager

+ addNewDoctor(): void
+ deleteDoctor(): void
+ viewListOfDocs(): void
+ saveToFile(): void
+ loadFromFile(): void
+ addConsultationTimes(): void