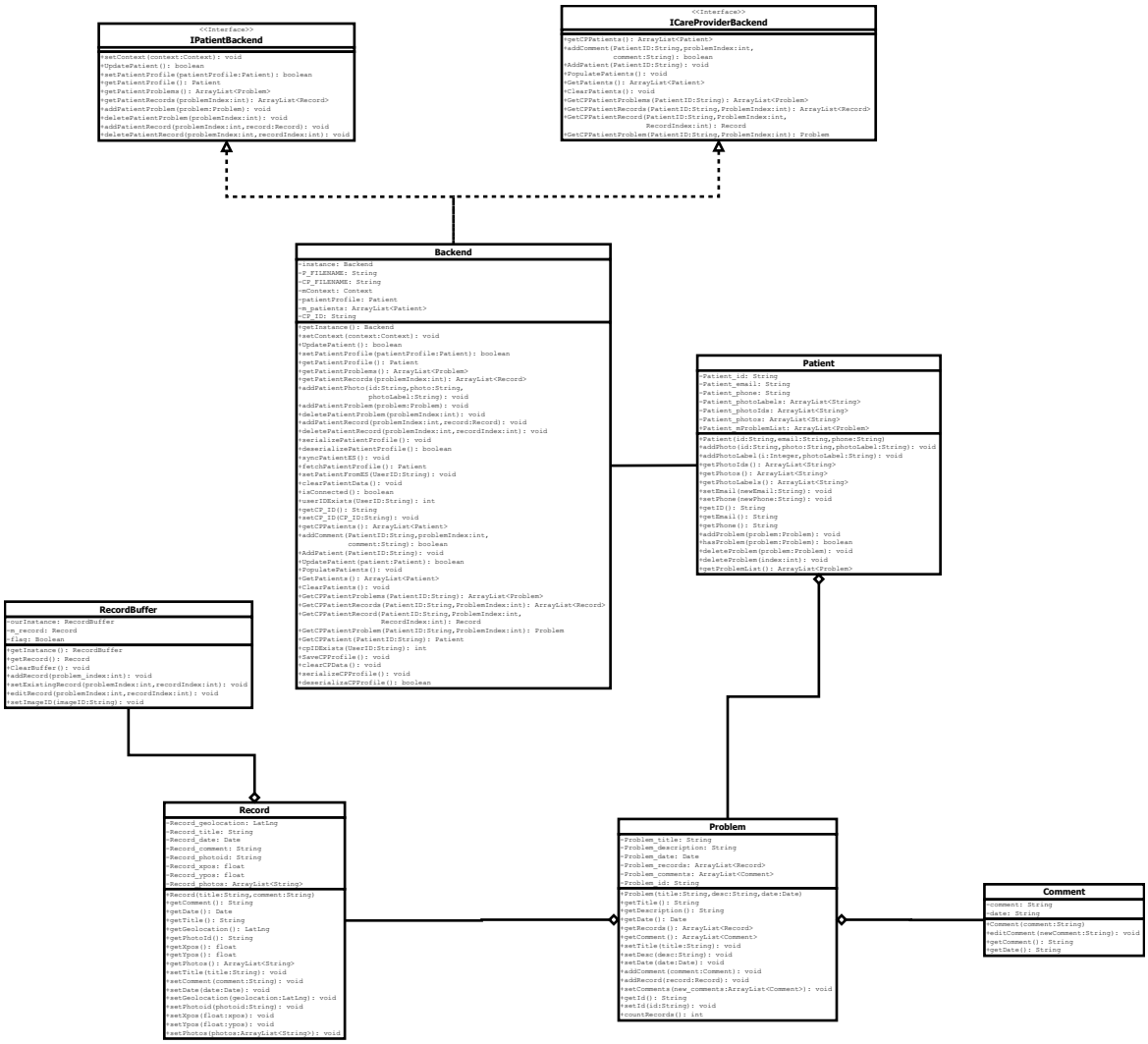
<<Interface>>
IPatientBackend
+setContext(context:Context): void
+UpdatePatient(): boolean
+setPatientProfile(patientProfile:Patient): boolean
+getPatientProfile(): Patient
+getPatientProblems(): ArrayList<Problem>
+getPatientRecords(problemIndex:int): ArrayList<Record>
+addPatientProblem(problem:Problem): void
+deletePatientProblem(problemIndex:int): void
+addPatientRecord(problemIndex:int,record:Record): void
+deletePatientRecord(problemIndex:int,recordIndex:int): void
<<Interface>>
ICareProviderBackend
+getCPPatients(): ArrayList<Patient>
+addComment(PatientID:String,problemIndex:int,
comment:String): boolean
+AddPatient(PatientID:String): void
+PopulatePatients(): void
+GetPatients(): ArrayList<Patient>
+ClearPatients(): void
+GetCPPatientProblems(PatientID:String): ArrayList<Problem>
+GetCPPatientRecords(PatientID:String,ProblemIndex:int): ArrayList<Record>
+GetCPPatientRecord(PatientID:String,ProblemIndex:int,
RecordIndex:int): Record
+GetCPPatientProblem(PatientID:String,ProblemIndex:int): Problem
Backend
-instance: Backend
-P_FILENAME: String
-CP_FILENAME: String
-mContext: Context
-patientProfile: Patient
-m_patients: ArrayList<Patient>
-CP_ID: String
+getInstance(): Backend
+setContext(context:Context): void
+UpdatePatient(): boolean
+setPatientProfile(patientProfile:Patient): boolean
+getPatientProfile(): Patient
+getPatientProblems(): ArrayList<Problem>
+getPatientRecords(problemIndex:int): ArrayList<Record>
+addPatientPhoto(id:String,photo:String,
photoLabel:String): void
+addPatientProblem(problem:Problem): void
+deletePatientProblem(problemIndex:int): void
+addPatientRecord(problemIndex:int,record:Record): void
+deletePatientRecord(problemIndex:int,recordIndex:int): void
+serializePatientProfile(): void
+deserializePatientProfile(): boolean
+syncPatientES(): void
+fetchPatientProfile(): Patient
+setPatientFromES(UserID:String): void
+clearPatientData(): void
+isConnected(): boolean
+userIDExists(UserID:String): int
+getCP_ID(): String
+setCP_ID(CP_ID:String): void
+getCPPatients(): ArrayList<Patient>
+addComment(PatientID:String,problemIndex:int,
comment:String): boolean
+AddPatient(PatientID:String): void
+UpdatePatient(patient:Patient): boolean
+PopulatePatients(): void
+GetPatients(): ArrayList<Patient>
+ClearPatients(): void
+GetCPPatientProblems(PatientID:String): ArrayList<Problem>
+GetCPPatientRecords(PatientID:String,ProblemIndex:int): ArrayList<Record>
+GetCPPatientRecord(PatientID:String,ProblemIndex:int,
RecordIndex:int): Record
+GetCPPatientProblem(PatientID:String,ProblemIndex:int): Problem
+GetCPPatient(PatientID:String): Patient
+cpIDExists(UserID:String): int
+SaveCPProfile(): void
+clearCPData(): void
+serializeCPProfile(): void
+deserializeCPProfile(): boolean
Patient
+Patient_id: String
+Patient_email: String
+Patient_phone: String
+Patient_photoLabels: ArrayList<String>
+Patient_photoIds: ArrayList<String>
+Patient_photos: ArrayList<String>
+Patient_mProblemList: ArrayList<Problem>
+Patient(id:String,email:String,phone:String)
+addPhoto(id:String,photo:String,photoLabel:String): void
+addPhotoLabel(i:Integer,photoLabel:String): void
+getPhotoIds(): ArrayList<String>
+getPhotos(): ArrayList<String>
+getPhotoLabels(): ArrayList<String>
+setEmail(newEmail:String): void
+setPhone(newPhone:String): void
+getID(): String
+getEmail(): String
+getPhone(): String
+addProblem(problem:Problem): void
+hasProblem(problem:Problem): boolean
+deleteProblem(problem:Problem): void
+deleteProblem(index:int): void
+getProblemList(): ArrayList<Problem>
RecordBuffer
-ourInstance: RecordBuffer
-m_record: Record
-flag: Boolean
+getInstance(): RecordBuffer
+getRecord(): Record
+ClearBuffer(): void
+addRecord(problem_index:int): void
+setExistingRecord(problemIndex:int,recordIndex:int): void
+editRecord(problemIndex:int,recordIndex:int): void
+setImageID(imageID:String): void
Record
-Record_geolocation: LatLng
-Record_title: String
-Record_date: Date
-Record_comment: String
-Record_photoid: String
-Record_xpos: float
-Record_ypos: float
-Record_photos: ArrayList<String>
+Record(title:String,comment:String)
+getComment(): String
+getDate(): Date
+getTitle(): String
+getGeolocation(): LatLng
+getPhotoId(): String
+getXpos(): float
+getYpos(): float
+getPhotos(): ArrayList<String>
+setTitle(title:String): void
+setComment(comment:String) : void
+setDate(date:Date): void
+setGeolocation(geolocation:LatLng): void
+setPhotoid(photoid:String): void
+setXpos(float:xpos): void
+setYpos(float:ypos): void
+setPhotos(photos:ArrayList<String>): void
Problem
-Problem_title: String
-Problem_description: String
-Problem_date: Date
-Problem_records: ArrayList<Record>
-Problem_comments: ArrayList<Comment>
-Problem_id: String
+Problem(title:String,desc:String,date:Date)
+getTitle(): String
+getDescription(): String
+getDate(): Date
+getRecords(): ArrayList<Record>
+getComment(): ArrayList<Comment>
+setTitle(title:String): void
+setDesc(desc:String): void
+setDate(date:Date): void
+addComment(comment:Comment): void
+addRecord(record:Record): void
+setComments(new_comments:ArrayList<Comment>): void
+getId(): String
+setId(id:String): void
+countRecords(): int
Comment
-comment: String
-date: String
+Comment(comment:String)
+editComment(newComment:String): void
+getComment(): String
+getDate(): String