

Clinic
-ID : int -clinicName : String -clinicAddress : Address -staffMgr : StaffManager -patientMgr : PatientManager -pillStash : PharmacyInventoryManager
+setClinicID(ID : String) : void +Clinic() +Clinic(Clinic) +getClinicID() : String +setClinicName(name : String) : void +getClinicName() : String +setAddress(temp : Address) : void +getAddress() : Address

Encounter
-encounterID : int -primaryCaregiver : String -encounterLocation : Clinic -recordEnterer : User -encounterDate : Date -physicianDocument : PhysicianDocument -triageDocument : TriageDocument -pharmacyDocument : PharmacyDocument
+setEncounterID(ID : int) : void +getEncounterID() : int +setPrimaryCaregiver(caregiver : User) : void +getPrimaryCaregiver() : User +setEncounterLocation(location : Clinic) : void +getEncounterLocation() : Clinic +setRecordEnterer(student : User) : void +getRecordEnterer() : User +setEncounterDate(date : DateTime) : void +getEncounterDate() : void +setPhysicianDocument(physDoc : PhysicianDocument) : void +getPhysicianDocument() : PhysicianDocument +setTriageDocument(triDoc : TriageDocument) : void +getTriageDocument() : TriageDocument +setPharmacyDocument(pharmDoc : PharmacyDocument) : void +getPharmacyDocument() : PharmacyDocument

Patient
- name : String - patientID : double - address : String - age : int - birthdate : DateTime(?) - gender : String - status : String - visit: Encounter - mugShot: Bitmap(?)
+setPatientName(name:String):void +getPatientName():String +setPatientID(patientID:String):void +getPatientID():String -generatePatientID() : void +setPatientAddress(address : Address) : void +getPatientAddress() : Address +setPatientAge(age : int) : voi +getPatientAge() : int +setPatientBirthdate(dob : DateTime) : void +getPatientBirthdate() : DateTime +setPatientGender(gender : String) : void +getPatientGender() : String +setPatientHealthStatus(status : String) : void +getPatientHealthStatus() : String +addPatientEncounter(enc : Encounter) : void +addMugShot(mugShot : Bitmap) : void +getMugShot() : Bitmap

User
- name : String - Id : double - password: String - designation: Role
setUserName(String) : void getUserName() : String setUserId(double) : void getUserId() : double setPassword() : ? setDesignation(Role) : void getDesignation() : Role login() : logout() :

Address
address1 : String //number, street address2 : String //etc address3 : String //etc city : String stateProvince : String //or generic equivalent postCode : String //if applicable

PatientManager
-patients : Patient[]
addPatient(temp : Patient) : void removePatient(overloads for search key) : void getPatient(lots of overloads for search key, lots of overloads for order key, overloads for constraints) getAllPatients(?) : Patient[]

UserManager
-users : User[]
addUser(temp : User) : void removeUser(overloads for search key) : void getUser(overloads for search) : User getAllUsers() : User[]

PharmacyInventory
medication: Dictionary<type: Medication, quantity:int>[]
addMedication(med: Medication, qty : int) : void removeMedication (med: Medication, qty : int) : void getAllInventory() : Dictionary<Medication, int>[]

Condition
- name : String - conditionImage: Bitmap(?) - duration: int - durationUnits: String (?) - frequency

Regimen
Prescribed: Medication Frequency: int Duration: int SpecialInstructions: String

Medication
Dose: String Name: String Media: String (pill, liquid,.....?)

Searcher
searchByFields: string[] orderByFields:String[] constraints:String[]

RecordPrinter
print a record

PharmacyDocument
- patientComments : String - physicianComments : String - medicationAllergies: Medication - medicationImage: Bitmap(?) - medicationDispensed: boolean
+removePatientComments() : void +getPatientComments() : String +addPhysicianComments(comments : String) : void +removePhysicianComments() : void +getPhysicianComments() : String +addMedicationAllergy(medication : Medication) : void +removeMedicationAllergy(medication : String) : void +getMedicationAllergies() : Medication +attachPharmacyDocumentImage(image : Bitmap) : void +removePharmacyDocument(index : int) : void +getPharmacyDocumentImage() : Bitmap +addMedicationImage(medication : Bitmap) : void +removeMedicationImage(index : int) : void +getMedicationImage() : Bitmap

TriageDocument
- familyHistory[]: Condition - primaryComplaint: Condition - patientComments: String - physicianComments : String - patientAllergies: String - medicationAllergies: Medication - triageDocumentAttachment: Bitmap(?)
+addToFamilyHistory(condition : Condition) : void +removeFromFamilyHistory(condition : Condition) : void +getFamilyHistory() : Condition +addPrimaryComplaint(condition : Condition) : void +removePrimaryComplaint(condition : Condition) : void +getPrimaryComplaint() : Condition[] +addPatientComments(comments : String) : void +removePatientComments() : void +getPatientComments() : String +addPhysicianComments(comments : String) : void +removePhysicianComments() : void +getPhysicianComments() : String +addPatientAllergies(allergy : String) : void +removePatientAllergy(allergy : String) : void +getPatientAllergy() : String +addMedicationAllergy(medication : Medication) : void +removeMedicationAllergy(medication : String) : void +getMedicationAllergies() : Medication +attachTriageDocumentImage(image : Bitmap) : void +removeTriageDocument(index : int) : void +getTriageDocumentImage() : Bitmap +setVisitType(reason : enum:string) : void +getVisitType() : String

PhysicianDocument
- familyHistory[]: Condition - primaryComplaint[]: Condition - patientComments: String - physicianComments : String - patientAllergies: String - medicationAllergies: Medication[] - physicianDocumentAttachment: Bitmap[] - visitType: enum:string - prescription: Regimen - nonMedicationTreatmentAdministered:boolean
+addToFamilyHistory(condition : Condition) : void +removeFromFamilyHistory(condition : Condition) : void +getFamilyHistory() : Condition +addPrimaryComplaint(condition : Condition) : void +removePrimaryComplaint(condition : Condition) : void +getPrimaryComplaint() : Condition[] +addPatientComments(comments : String) : void +removePatientComments() : String +getPatientComments() : String +addPhysicianComments(comments : String) : void +removePhysicianComments() : void +getPhysicianComments() : String +addPatientAllergies(allergy : String) : void +removePatientAllergy(allergy : String) : void +getPatientAllergy() : String +addMedicationAllergy(medication : Medication) : void +removeMedicationAllergy(medication : String) : void +getMedicationAllergies() : Medication +attachPhysicianDocumentImage(image : Bitmap) : void +removePhysicianDocument(index : int) : void +getPhysicianDocumentImage() : Bitmap +setVisitType(reason : enum:string) : void +getVisitType() : String +setPrescription(script : Regimen) : void +getPrescription() : Regimen +setNonMedicationTreatmentAdministered(wasNonMed : boolean) : void +getNonMedicationTreatmentAdministered() : boolean

RecordDatabase
addRecord updateRecord removeRecord

SyncManager
- AlexShub
syncNetwork syncNon-network

UserInterface
physician interfaceSimple physician interfaceAdvanced triage interface pharmacyInterface patientHistoryView adminPage
printBlankForms(?) searchForPatient() - INC

