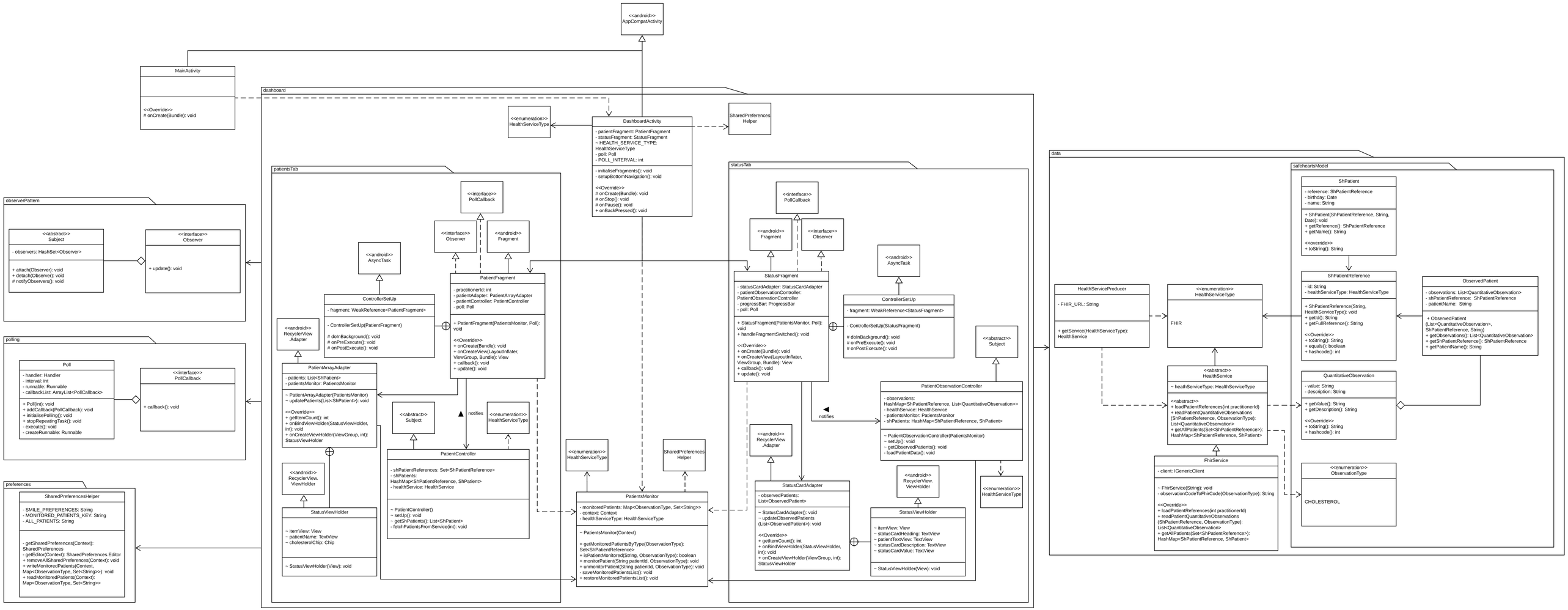
MainActivity
<<Override>>
# onCreate(Bundle): void
<<android>>
AppCompatActivity
dashboard
<<enumeration>>
HealthServiceType
DashboardActivity
- patientFragment: PatientFragment
- statusFragment: StatusFragment
~ HEALTH_SERVICE_TYPE:
HealthServiceType
- poll: Poll
- POLL_INTERVAL: int
- initaliseFragments(): void
- setupBottomNavigation(): void
<<Override>>
# onCreate(Bundle): void
# onStop(): void
# onPause(): void
# onBackPressed(): void
SharedPreferences
Helper
observerPattern
<<abstract>>
Subject
- observers: HashSet<Observer>
+ attach(Observer): void
+ detach(Observer): void
# notifyObservers(): void
<<interface>>
Observer
+ update(): void
polling
Poll
- handler: Handler
- interval: int
- runnable: Runnable
- callbackList: ArrayList<PollCallback>
+ Poll(int): void
+ addCallback(PollCallback): void
+ initialisePolling(): void
+ stopRepeatingTask(): void
- execute(): void
- createRunnable: Runnable
<<interface>>
PollCallback
+ callback(): void
preferences
SharedPreferencesHelper
- SMILE_PREFERENCES: String
- MONITORED_PATIENTS_KEY: String
- ALL_PATIENTS: String
- getSharedPreferences(Context):
SharedPreferences
- getEditor(Context): SharedPreferences.Editor
+ removeAllSharedPreferences(Context): void
+ writeMonitoredPatients(Context,
Map<ObservationType, Set<String>>): void
+ readMonitoredPatients(Context):
Map<ObservationType, Set<String>>
patientsTab
<<interface>>
PollCallback
<<interface>>
Observer
<<android>>
Fragment
<<android>>
AsyncTask
ControllerSetUp
- fragment: WeakReference<PatientFragment>
- ControllerSetUp(PatientFragment)
# doInBackground(): void
# onPreExecute(): void
# onPostExecute(): void
PatientFragment
- practitionerId: int
- patientAdapter: PatientArrayAdapter
- patientController: PatientController
- poll: Poll
+ PatientFragment(PatientsMonitor, Poll):
void
<<Override>>
+ onCreate(Bundle): void
+ onCreateView(LayoutInflater,
ViewGroup, Bundle): View
+ callback(): void
+ update(): void
<<android>>
RecyclerView
.Adapter
PatientArrayAdapter
- patients: List<ShPatient>
- patientsMonitor: PatientsMonitor
~ PatientArrayAdapter(PatientsMonitor)
~ updatePatients(List<ShPatient>): void
<<Override>>
+ getItemCount(): int
+ onBindViewHolder(StatusViewHolder,
int): void
+ onCreateViewHolder(ViewGroup, int):
StatusViewHolder
<<abstract>>
Subject
notifies
<<enumeration>>
HealthServiceType
PatientController
- shPatientReferences: Set<ShPatientReference>
- shPatients:
HashMap<ShPatientReference, ShPatient>
- healthService: HealthService
~ PatientController()
~ setUp(): void
~ getShPatients(): List<ShPatient>
~ fetchPatientsFromService(int): void
<<android>>
RecyclerView.
ViewHolder
StatusViewHolder
~ itemView: View
~ patientName: TextView
~ cholesterolChip: Chip
~ StatusViewHolder(View): void
<<enumeration>>
HealthServiceType
SharedPreferences
Helper
PatientsMonitor
- monitoredPatients: Map<ObservationType, Set<String>>
- context: Context
- healthServiceType: HealthServiceType
~ PatientsMonitor(Context)
+ getMonitoredPatientsByType(ObservationType):
Set<ShPatientReference>
+ isPatientMonitored(String, ObservationType): boolean
+ monitorPatient(String patientId, ObservationType): void
+ unmonitorPatient(String patientId, ObservationType): void
- saveMonitoredPatientsList(): void
+ restoreMonitoredPatientsList(): void
statusTab
<<interface>>
PollCallback
<<android>>
Fragment
<<interface>>
Observer
<<android>>
AsyncTask
StatusFragment
- statusCardAdapter: StatusCardAdapter
- patientObservationController:
PatientObservationController
- progressBar: ProgressBar
- poll: Poll
+ StatusFragment(PatientsMonitor, Poll):
void
+ handleFragmentSwitched(): void
<<Override>>
+ onCreate(Bundle): void
+ onCreateView(LayoutInflater,
ViewGroup, Bundle): View
+ callback(): void
+ update(): void
ControllerSetUp
- fragment: WeakReference<StatusFragment>
- ControllerSetUp(StatusFragment)
# doInBackground(): void
# onPreExecute(): void
# onPostExecute(): void
<<abstract>>
Subject
notifies
PatientObservationController
- observations:
HashMap<ShPatientReference, List<QuantitativeObservation>>
- healthService: HealthService
- patientsMonitor: PatientsMonitor
- shPatients: HashMap<ShPatientReference, ShPatient>
~ PatientObservationController(PatientsMonitor)
~ setUp(): void
~ getObservedPatients(): void
- loadPatientData(): void
<<android>>
RecyclerView
.Adapter
StatusCardAdapter
- observedPatients:
List<ObservedPatient>
~ StatusCardAdapter(): void
~ updateObservedPatients
(List<ObservedPatient>): void
<<Override>>
+ getItemCount(): int
+ onBindViewHolder(StatusViewHolder,
int): void
+ onCreateViewHolder(ViewGroup, int):
StatusViewHolder
<<android>>
RecyclerView.
ViewHolder
<<enumeration>>
HealthServiceType
StatusViewHolder
~ itemView: View
~ statusCardHeading: TextView
~ patientTextView: TextView
~ statusCardDescription: TextView
~ statusCardValue: TextView
~ StatusViewHolder(View): void
data
HealthServiceProducer
- FHIR_URL: String
+ getService(HealthServiceType):
HealthService
<<enumeration>>
HealthServiceType
FHIR
<<abstract>>
HealthService
~ heathServiceType: HealthServiceType
<<abstract>>
+ loadPatientReferences(int practitionerId)
+ readPatientQuantitativeObservations
(ShPatientReference, ObservationType):
List<QuantitativeObservation>
+ getAllPatients(Set<ShPatientReference>):
HashMap<ShPatientReference, ShPatient>
FhirService
- client: IGenericClient
~ FhirService(String): void
- observationCodeToFhirCode(ObservationType): String
<<Override>>
+ loadPatientReferences(int practitionerId)
+ readPatientQuantitativeObservations
(ShPatientReference, ObservationType):
List<QuantitativeObservation>
+ getAllPatients(Set<ShPatientReference>):
HashMap<ShPatientReference, ShPatient>
safeheartsModel
ShPatient
- reference: ShPatientReference
- birthday: Date
- name: String
+ ShPatient(ShPatientReference, String,
Date): void
+ getReference(): ShPatientReference
+ getName(): String
<<override>>
+ toString(): String
ShPatientReference
- id: String
- healthServiceType: HealthServiceType
+ ShPatientReference(String,
HealthServiceType): void
+ getId(): String
+ getFullReference(): String
<<Override>>
+ toString(): String
+ equals(): boolean
+ hashcode(): int
ObservedPatient
- observations: List<QuantitativeObservation>
- shPatientReference: ShPatientReference
- patientName: String
+ ObservedPatient
(List<QuantitativeObservation>,
ShPatientReference, String)
+ getObservations(): List<QuantitativeObservation>
+ getShPatientReference(): ShPatientReference
+ getPatientName(): String
QuantitativeObservation
- value: String
- description: String
+ getValue(): String
+ getDescription(): String
<<Override>>
+ toString(): String
+ hashcode(): int
<<enumeration>>
ObservationType
CHOLESTEROL