OfflineNoticeActivity

+ field: type

+ method(type): type

+

+ lo...
+ cr...
+ cr...
+ ge...
+ ge...
+ ge...
+ m...

Select User

1

UserSelectionActivity

+ field: ty_1e

+ login():void

UserLoginActivity

+ field: type

+ method(type): type

Login

PatientMainPageActivity

+ field: type

+ method(type): type

ViewProblemActivity

+ field: type

+ method(type): type

ProblemController

+

1
+ create_problem(Problem p)
+ search_problem(String query)
0..* + Delete Problem(int id)

AddRecordActivity

+ field: type

1

+ method(type): type

Users can
view a map
that displays

UserDetailsActivity

+ field: type

+ method(type): type

CreateUserAccountActivity

+ field: type

+ getPassword(type): String

User_Controller

...gin(userid,password): Boolean
...reate_patient(patient): Boolean
...reate_CareProvider(careProvider): Boolean
...etAllUser(): ArrayList<User>
...eAllCareProvider(): ArrayList<CareProvider>
...etAllPatient(): ArrayList<Patient>
...odifyPatient(Patient patient): Boolean

User

- userId: String

- password: String

- fullname: String

- phoneNum: String

- email: String

- birthday: Date

- gender: Char

+ verifyLogin(String): Boolean

user controller
controls various
user tasks

1 —— 0..*

Extends

Patients and Care providers
are both users with different
attributes and methods

---

cre...

+ field:

+ meth...

---

addCareProviderActivity

+ field: type

+ method(type): type

---

addPatientActivity

+ field: type

+ method(type): type

Text

child

Patient

- problemsIds: ArrayList<Problem>
- careProviderUserIds: ArrayList<String>
- requests : ArrayList<Request>

+ getProblemIds(): ArrayList<Problem>

+ getProblemIdByIndex(int index): String

+ deleteProblemId(int index): void

+ getCareProviderUserIdByIndex(int index): String

+ addCareProviders(String): void

CareProvider

- patientsUserIds :ArrayList<String>

+ getPatientUserIdByIndex(int index): String

+ removePatrientUserId(String patientUId): void

0..*

0...*

Request

eatePatientRequestActivity
: type
nod(type): type

viewMyPatientsActivity
+ field: type
+ method(type): type

1

viewRecentPatientsActivity
+ field: type
+ method(type): type

1

1

CareProviderRequestsStatusActivity
+ CareProvider careProvider

1

SelectRecordGeoLocationActivity

+ field: type

+ selectGeolocation(Location): Location

ViewFullHistoryActivity

+ field: type

+ method(type): type
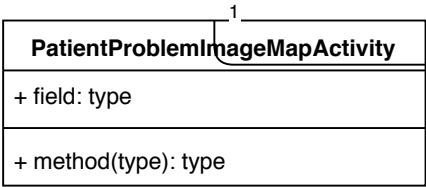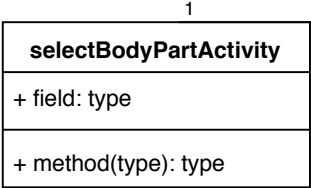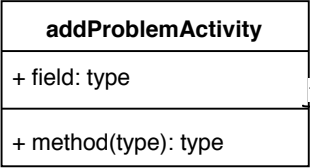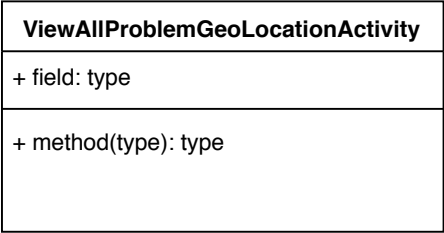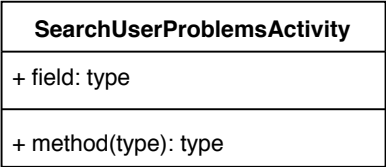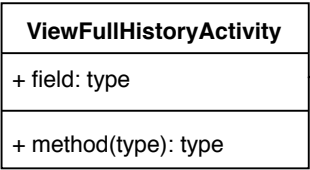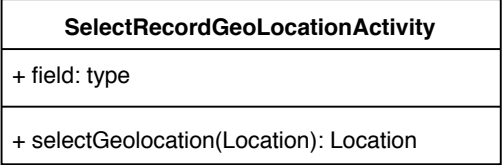
Users can view a history that
displays all problems
recorded in the database
for a particular patient.

SearchUserProblemsActivity

+ field: type

+ method(type): type

Users can search for a list of problems using keywords.

ViewAllProblemGeoLocationActivity

+ field: type

+ method(type): type

addProblemActivity

+ field: type

+ method(type): type

Patients can add a problem to the database.

selectBodyPartActivity

+ field: type

+ method(type): type

Patients can select a body part
where their problem is occurring.

PatientProblemImageMapActivity

+ field: type

+ method(type): type

that displays
all the
geolocations
marked on
various records
for a problem.

- pid: int

- title: String

- created: Dat

+ getRecords(

+ setRecords(

+ deleteRecor

+ getPids(): in

+ setPids(int):

+ getTitle(): St

+ setTitle(Strir

+ getCreated(

+ setCreated(

editF

+ field: ty

+ metho

+ addCareProviders(String): void

+ getRequestById(int index): Request

+ addRequestById(Request request): void

+ deleteRequest(int index): void

Patient class is for a Patient user

0..*

Problem

): ArrayList<Record>

(ArrayList<Record>): void

rd(int index): void

t

 void

tring

ng): void

): Date

Date): void

1

Patients can edit the
details of one of their
problems.

1

ProblemActivity

ype

d(type): type

- senderUserId: String

- message: String

0...*

+ getSenderUserId(): String

+ setSenderUserId(String): void

+ getMessage(): String

+ setMessage(String): void

0...*

0...*

Patients get requests from
doctors

0..*

Record

- rid: int
- title: String

- description: String

- photos: ArrayList<Photo>

- createdDate: Date
- pid :int

- isPatientRecord: Boolean

+ getPhotoById(int): Photo

1   0..*

Records belong to a problem

Photo

- path: String
- width: int
- height: int

0...*

Records can have one
or more photos

0..*

1

ViewAllProblemImagesActivity

1 + field: type

+ method(type): type

0...*

Users can
view a
slideshow
of all images
for a particular
problem.

1

Records can have one
or more comments from a
care provider   0..*

Comment

- content: String
- created: Date

+ getRecord(Record): String
+ postRecord(String):void

0..*

1

addCareProviderCommentActivity

1

+ addComment(CareProvider cp): Comment

Care providers can add a comment
to a patient's problem.

1

RecordController

+

+create_Record(Record r):void
+search_Record(String query):void
+Delete_Record(int id):void

1

+ method(type): type

Care providers
can check the
status of their
add patient requests.

ViewAllCareProvidersRequestsActivity
+ field: type
+ getAllRequest(patient id):

1

1

1

Patients can view
a list of requests
from all care providers.

ViewCommentActivity
+ field: type
+ method(type): type

1

Users can view
a care provider's
comment on
a particular
problem.