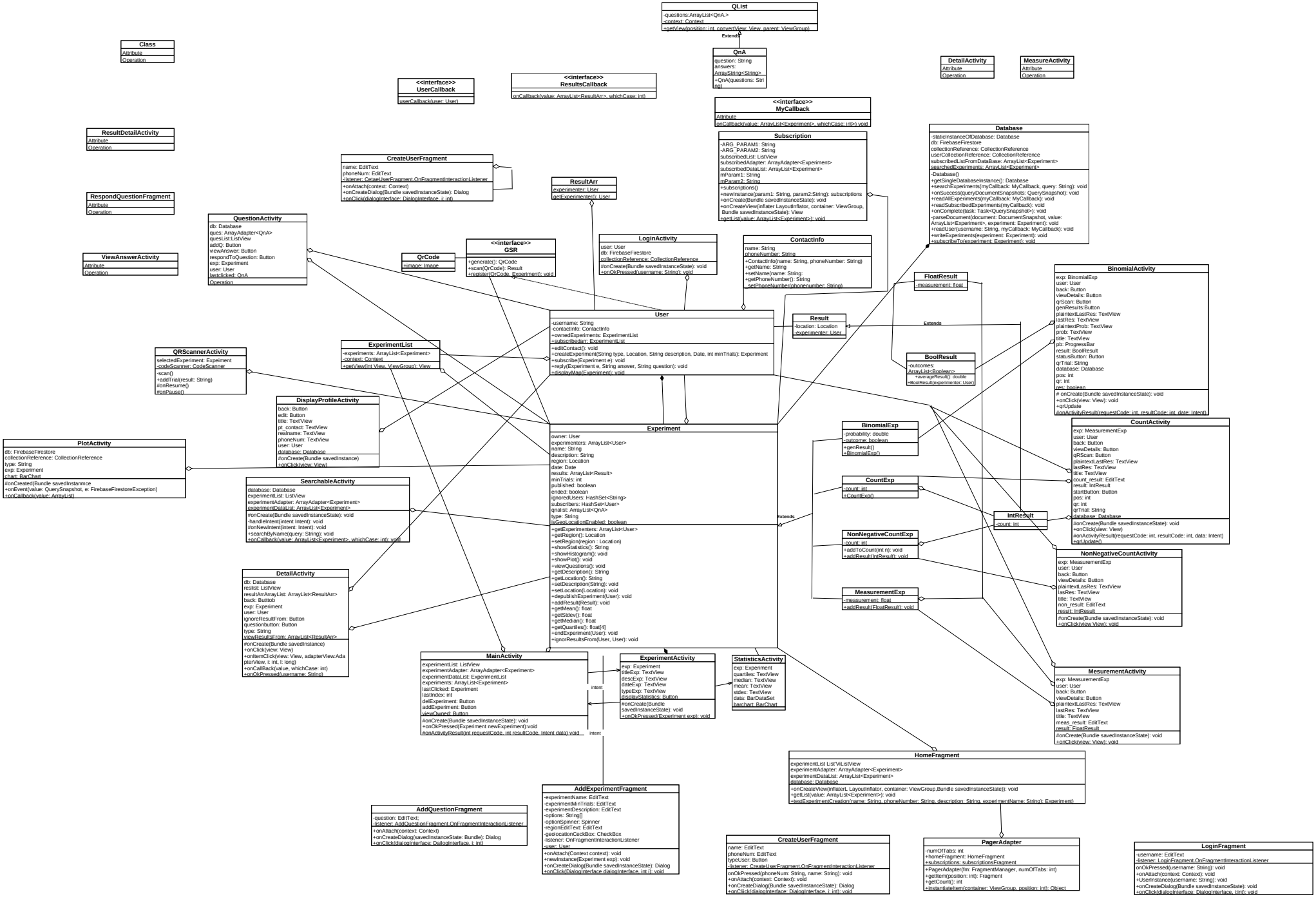
QList
-questions:ArrayList<QnA,>
-context: Context
+getView(position: int, convertView: View, parent: ViewGroup)
Extends
QnA
question: String
answers: ArrayString<String>
+QnA(questions: String)
Class
Attribute
Operation
<<interface>>
UserCallback
userCallback(user: User)
<<interface>>
ResultsCallback
onCallback(value: ArrayList<ResultArr>, whichCase: int)
DetailActivity
Attribute
Operation
MeasureActivity
Attribute
Operation
<<interface>>
MyCallback
Attribute
onCallback(value: ArrayList<Experiment>, whichCase: int>) void
ResultDetailActivity
Attribute
Operation
Subscription
-ARG_PARAM1: String
-ARG_PARAM2: String
subscribedList: ListView
subscribedAdapter: ArrayAdapter<Experiment>
subscribedDataList: ArrayList<Experiment>
mParam1: String
mParam2: String
+subscriptions()
+newInstance(param1: String, param2:String): subscriptions
+onCreate(Bundle savedInstanceState): void
+onCreateView(inflater Layoutinflator, container: ViewGroup, Bundle savedInstanceState): View
+getList(value: ArrayList<Experiment>): void
Database
-staticInstanceOfDatabase: Database
db: FirebaseFirestore
collectionReference: CollectionReference
userCollectionReference: CollectionReference
subscribedListFromDataBase: ArrayList<Experiment>
searchedExperiments: ArrayList<Experiment>
-Database()
+getSingleDatabaseInstance(): Database
+searchExperiments(myCallback: MyCallback, query: String): void
+onSuccess(queryDocumentSnapshots: QuerySnapshot): void
+readAllExperiments(myCallback: MyCallback): void
+readSubscribedExperiments(myCallback): void
+onComplete(task: Task<QuerySnapshot>): void
-parseDocument(document: DocumentSnapshot, value: ArrayList<Experiment>, experiment: Experiment): void
+readUser(username: String, myCallback: MyCallback): void
+writeExperiments(experiment: Experiment): void
+subscribeTo(experiment: Experiment): void
CreateUserFragment
name: EditText
phoneNum: EditText
-listener: CetaeUserFragment.OnFragmentInteractionListener
+onAttach(context: Context)
+onCreateDialog(Bundle savedInstanceState): Dialog
+onClick(dialogInterface: DialogInterface, i: int)
ResultArr
-experimenter: User
getExperimenter(): User
RespondQuestionFragment
Attribute
Operation
QuestionActivity
db: Database
ques: ArrayAdapter<QnA>
quesList:ListView
addQ: Button
viewAnswer: Button
respondToQuestion: Button
exp: Experiment
user: User
lastclicked: QnA
Operation
ViewAnswerActivity
Attribute
Operation
QrCode
+image: Image
<<interface>>
GSR
+generate(): QrCode
+scan(QrCode): Result
+register(QrCode, Experiment): void
LoginActivity
user: User
db: FirebaseFirestore
collectionReference: CollectionReference
+onOkPressed(username: String): void
ContactInfo
name: String
phoneNumber: String
+ContactInfo(name: String, phoneNumber: String)
+getName: String
+setName(name: String:
+getPhoneNumber(): String
setPhoneNumber(phonenumber: String)
FloatResult
-measurement: float
BinomialActivity
exp: BinomialExp
user: User
back: Button
viewDetails: Button
qrScan: Button
genResults:Button
plaintextLastRes: TextView
lastRes: TextView
plaintextProb: TextView
prob: TextView
title: TextView
pb: ProgressBar
result: BoolResult
statusButton: Button
qrTrial: String
database: Database
pos: int
qr: int
res: boolean
onCreate(Bundle savedInstanceState): void
+onClick(view: View): void
+qrUpdate
#onActivityResult(requestCode: int, resultCode: int, data: Intent)
User
-username: String
-contactInfo: ContactInfo
+ownedExperiments: ExperimentList
+subscribedarr: ExperimentList
+editContact(): void
+createExperiment(String type, Location, String description, Date, int minTrials): Experiment
+subscribe(Experiment e): void
+reply(Experiment e, String answer, String question): void
+displayMap(Experiment): void
Result
-location: Location
-experimenter: User
Extends
BoolResult
-outcomes: ArrayList<Boolean>
+averageResult(): double
+BoolResult(experimenter: User)
ExperimentList
-experiments: ArrayList<Experiment>
-context: Context
+getView(int View, ViewGroup): View
QRScannerActivity
selectedExperiment: Experiment
-codeScanner: CodeScanner
-scan()
+addTrial(result: String)
#onResume()
#onPause()
DisplayProfileActivity
back: Button
edit: Button
title: TextView
pt_contact: TextView
realname: TextView
phoneNum: TextView
user: User
database: Database
#onCreate(Bundle savedInstance)
+onClick(view: View)
Experiment
owner: User
experimenters: ArrayList<User>
name: String
description: String
region: Location
date: Date
results: ArrayList<Result>
minTrials: int
published: boolean
ended: boolean
ignoredUsers: HashSet<String>
subscribers: HashSet<User>
qnalist: ArrayList<QnA>
type: String
isGeoLocationEnabled: boolean
+getExperimenters: ArrayList<User>
+getRegion(): Location
+setRegion(region : Location)
+showStatistics(): String
+showHistogram(): void
+showPlot(): void
+viewQuestions(): void
+getDescription(): String
+getLocation(): String
+setDescription(String): void
+setLocation(Location): void
+depublishExperiment(User): void
+addResult(Result): void
+getMean(): float
+getStdev(): float
+getMedian(): float
+getQuartiles(): float[4]
+endExperiment(User): void
+ignorResultsFrom(User, User): void
Extends
BinomialExp
-probability: double
-outcome: boolean
+genResult()
+BinomialExp()
CountExp
-count: int
+CountExp()
NonNegativeCountExp
-count: int
+addToCount(int n): void
+addResult(intResult): void
MeasurementExp
-measurement: float
+addResult(FloatResult): void
IntResult
-count: int
CountActivity
exp: MeasurementExp
user: User
back: Button
viewDetails: Button
qRScan: Button
plaintextLastRes: TextView
lastRes: TextView
title: TextView
count_result: EditText
result: IntResult
startButton: Button
pos: int
qr: int
qrTrial: String
database: Database
#onCreate(Bundle savedInstanceState): void
+onClick(view: View)
#onActivityResult(requestCode: int, resultCode: int, data: Intent)
+qrUpdate()
NonNegativeCountActivity
exp: MeasurementExp
user: User
back: Button
viewDetails: Button
plaintextLastRes: TextView
lastRes: TextView
title: TextView
non_result: EditText
result: IntResult
#onCreate(Bundle savedInstanceState): void
+onClick(view View): void
PlotActivity
db: FirebaseFirestore
collectionReference: CollectionReference
type: String
exp: Experiment
chart: BarChart
#onCreated(Bundle savedInstanmce
+onEvent(value: QuerySnapshot, e: FirebaseFirestoreException)
+onCallback(value: ArrayList)
SearchableActivity
database: Database
experimentList: ListView
experimentAdapter: ArrayAdapter<Experiment>
experimentDataList: ArrayList<Experiment>
#onCreate(Bundle savedInstanceState): void
-handleIntent(intent Intent): void
#onNewIntent(intent: Intent): void
+searchByName(query: String): void
+onCallback(value: ArrayList<Experiment>, whichCase: int): void
DetailActivity
db: Database
reslist: ListView
resultArrArrayList: ArrayList<ResultArr>
back: Buttob
exp: Experiment
user: User
ignoreResultFrom: Button
questionbutton: Button
type: String
viewResultsFrom: ArrayList<ResultArr>
#onCreate(Bundle savedInstance)
+onClick(view: View)
+onitemClick(view: View, adapterView:AdapterView, i: int, l: long)
+onCallBack(value, whichCase: int)
+onOkPressed(username: String)
MesurementActivity
exp: MeasurementExp
user: User
back: Button
viewDetails: Button
plaintextLastRes: TextView
lastRes: TextView
title: TextView
meas_result: EditText
result: FloatResult
#onCreate(Bundle savedInstanceState): void
+onClick(view: View): void
MainActivity
experimentList: ListView
experimentAdapter: ArrayAdapter<Experiment>
experimentDataList: ExperimentList
experiments: ArrayList<Experiment>
lastClicked: Experiment
lastIndex: int
delExperiment: Button
addExperiment: Button
viewOwned: Button
#onCreate(Bundle savedInstanceState): void
+onOkPressed(Experiment newExperiment):void
#onActivityResult(int requestCode, int resultCode, Intent data) void
intent
intent
ExperimentActivity
exp: Experiment
titleExp: TextView
descExp: TextView
dateExp: TextView
typeExp: TextView
displayStatistics: Button
#onCreate(Bundle savedInstanceState): void
+onOkPressed(Experiment exp): void
StatisticsActivity
exp: Experiment
quartiles: TextView
median: TextView
mean: TextView
stdev: TextView
data: BarDataSet
barchart: BarChart
HomeFragment
experimentList ListViListView
experimentAdapter: ArrayAdapter<Experiment>
experimentDataList: ArrayList<Experiment>
database: Database
+onCreateView(inflaterL LayoutInflaior, container: ViewGroup,Bundle savedInstanceState)): void
+getList(value: ArrayList<Experiment>): void
+testExperimentCreation(name: String, phoneNumber: String, description: String, experimentName: String): Experiment)
AddExperimentFragment
-experimentName: EditText
-experimentMinTrials: EditText
-experimentDescription: EditText
-options: String[]
-optionSpinner: Spinner
-regionEditText: EditText
-geolocationCeckBox: CheckBox
-listener: OnFragmentInteractionListener
-user: User
+onAttach(Contexx context): void
+newInstance(Experiment exp): void
+onCreateDialog(Bundle savedInstanceState): Dialog
+onClick(DialogInterface dialogInterface, int i): void
AddQuestionFragment
-question: EditText;
-listener: AddQuestionFragment.OnFragmentInteractionListener
+onAttach(context: Context)
+onCreateDialog(savedInstanceState: Bundle): Dialog
+onClick(dialogInterface: DialogInterface, i: int)
CreateUserFragment
name: EditText
phoneNum: EditText
typeUser: Button
-listener: CreateUserFragment.OnFragmentInteractionListener
onOkPressed(phoneNum: String, name: String): void
+onAttach(context: Context): void
+onCreateDialog(Bundle savedInstanceState): Dialog
+onCliick(dialogInterface: DialogInterface, i: int): void
PagerAdapter
-numOfTabs: int
+homeFragment: HomeFragment
+subscriptions: subscriptionsFragment
+PagerAdapter(fm: FragmentManager, numOfTabs: int)
+getItem(position: int): Fragment
+getCount(): int
+instantiateItem(container: ViewGroup, position: int): Object
LoginFragment
-username: EditText
-listener: LoginFragment.OnFragmentInteractionListener
onOkPressed(username: String): void
+onAttach(context: Context): void
+UserInstance(username: String): void
+onCreateDialog(Bundle savedInstanceState): void
+onClick(dialogInterface: DialogInterface, i:int): void