

AdoptActivity

- catNameTxt: EditText
- catNameButton: Button
- mUser: User

VocabActivity

-studyButton: Button
-reviewButton: Button
-vocabButton: Button
-input: Button
-progressBar: ProgressBar
-mProgressStatus: int

#onOptionsItemSelected(Menu item)
#onBackPressed()

VocabularyListActivity

-tabHost: TabHost

VocabStudyActivity

-choiceBtn1: Button
-choiceBtn2: Button
-choiceBtn3: Button
-choiceBtn4: Button
-knownBtn: Button
-unknownBtn: Button
-nextBtn: Button
-questionView: TextView
-quiz: Quiz
-answered: boolean

#onStarted()
+updateQuizInterface()
+highlightTheCorrectAnswer()
+onClick(v: View)
+nextBtnClicked()
+goBackToVocabPage()
+knownBtnClicked()
+notKnownBtnClicked()
+choiceBtnClicked(index: int)
#attachBaseContext(newBase: Context)

Quiz

-random: Random
#record: int
#questions: ArrayList<Question>
#currentQuestion: Question
#answeredQuestion: ArrayList<Question>
#exited: boolean

MainActivity

- mUser: User
- context: Context
- header: AccountHeader
- profile: IProfile
- drawer: Drawer
- moneyDisplay: TextView
- healthProgress: CircularProgressBar
- moodProgress: CircularProgressBar
- displayCatName: TextView
- drawToggle: ImageView
+ TAG: String
- mClient: GoogleApiClient
+ stepCount: long

- switchDie()
+ onActivityResult (requestCode: int, resultCode: int, dataL Intent)
+ scheduleAlarm()
+ buildFitnessClient()
+ subscribe()
+ readData()
+ initializeLogging()

User

- name: String
- age: int
- userData: ArrayList<UserData>
- year: int
- stepsGoals: int
- focusGoals: int
- vocabGoals: int
- steps : int
- focus : int
- vocab : int
- vocabBookID : int
- inventoryList : HashMap<Integer, Object[]>
- cash: int
- health: int
- mood : int

+ User(name : String)
+ userCheckout(amountList: ArrayList<TextView>, priceList: ArrayList<Integer>)
+ newDay()
+ describeContents()
+ writeToParcel(dest: Parcel, flags : int)
+ User(in Parcel)

SettingsActivity

- mUser: User
- profileImage: ImageView
- nameSetting: EditText
- ageSetting: EditText
- vocabSetting: EditText
- stepsSetting: EditText
- focusSetting: EditText
- vocabBookSetting: Spinner
- settingDiscardBtn: Button
- settingApplyBtn: Button

- loadCurrentSettings()
- applyCurrentSettings()

VerifyDataTask

doInBackground(params)

StatsDayActivity

- mUser : User
- monthWeekButton: Button
- stepCountView: TextView
- vocabCountView: TextView
- focusCountView: TextView
- context : Context
- dataArray: ArrayList<UserData>
dayChart : HorizontalBarChart
mOnValueSelectedRecif : RectF

- setBarData(dataArray: ArrayList<UserData>)

StatsActivity

- mUser : User
- dayButton: Button
- STEP_COLORS: int[]
- FOCUS_COLORS: int[]
- VOCAB_COLORS: int[]
- dateArray: ArrayList<UserData>
monthChart : LineChart
weekChart : BarChart
mOnValueSelectedRecif : RectF
- mSeekBarMonth : SeekBar
- mSeekBarWeek : SeekBar

- setLineData(dataArray: ArrayList<UserData>)
- setBarData(dataArray: ArrayList<UserData>, start : int)
- getColors : int[]

Store

- itemList: ArrayList<Item>

StoreActivity

- mUser: User
+ priceList: ArrayList<Integer>
+ amountListTextView: ArrayList<TextView>
+ amountListInt: ArrayList<Integer>
+ total: int
- context: Context
+ mySnackBar: Snackbar
+ catCash: TextView
+ totalText: TextView
+ mediaPlayer: MediaPlayer
+ shake: Animation

- checkout()
- populateStore()
- incrementString(s: String, a: int) : String

<<Utility>>
NotificationUtils

- REMINDER_NOTIFICATION_ID: int
- TIMER_PENDING_INTENT_ID: int
- timerActivityResumed: boolean
+ remindUserSwitchBack(context: Context)
- contentIntent(context: Context): PendingIntent

TimerActivity

- mUser: User
- hourCountdown: TextView
- minCountdown: TextView
- secCountdown: TextView
- timerStartBtn : Button
- timerPauseBtn : Button
- timerCancelBtn : Button
- hourEditText : EditText
- minSpinner : Spinner
- t : Thread
- isCountingdown : boolean
- isPausing: boolean
- hour : int
- minute : int
- second : int
- focusTime : int
- pauseTime : long

- startBtnClicked()
- pauseBtnClicked()
- cancelBtnClicked()
- timerReset()
- timerFinished()
- timerCancelled()
- countdownThreadSetup()
- textViewCountdown()