

Table Of Content

Auth	2
BrowseDrugsActivity	5
CalcDrugSelectActivity	7
CalculateActivity	9
Calculator	14
CommonActivity	22
DownloadDataActivity	23
DownloadDataActivity.calcsDownloadRequestListener	29
DownloadDataActivity.drugsDownloadRequestListener	30
DownloadDataActivity.indexDownloadRequestListener	31
LoggedInActivity	33
LoginActivity	34
LoginActivity.ValidateLoginTask	36
MainActivity	37
Preferences	40
SplashActivity	43
ViewDrugActivity	45
DataProgress	48
DownloadCalculationsRequest	53
DownloadDrugsRequest	56
DownloadIndexRequest	60
DownloadRequestListenerNotifier	64
DownloadRequestListenerNotifier.NotFoundRunnable	66
DownloadRequestListenerNotifier.ProgressRunnable	67
DownloadRequestListenerNotifier.ResultRunnable	68
DownloadService	70
DatabaseHelper	72
Drug	79
DrugCalculatorInfo	82
DrugIndex	87
DrugInformation	89
Index	92

Class Auth

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.Auth
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class Auth
extends java.lang.Object
```

Class for handling authentication This class is used for validating user credentials with the NHS server. This class is also used for saving, retrieving and deleting users credentials.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

`_accountPassword`

```
private java.lang.String _accountPassword
```

`_accountUsername`

```
private java.lang.String _accountUsername
```

Constructors

Auth

```
public Auth()
```

Methods

getSavedPassword

```
public static java.lang.String getSavedPassword(android.content.Context context)
```

Gets the password saved within preferences

Parameters:

context - the context of the activity

Returns:

the saved password

getSavedUsername

```
public static java.lang.String getSavedUsername(android.content.Context context)
```

Gets the username saved within preferences

Parameters:

context - the context of the activity

Returns:

the saved username

isLogged

```
public static boolean isLogged(android.content.Context context)
```

Checks if the user is currently logged in

Parameters:

context - the context of the activity

Returns:

true if the user is logged in, false otherwise

isValid

```
public java.lang.Boolean isValid(android.content.Context context)
```

Checks if the credentials set are correct. Returns true if correct, false if incorrect and null if there was a connection error

Returns:

the result of the validation check

logout

```
public static void logout(android.content.Context context)
```

Logs the user out by deleting there saved username and password

Parameters:

context - the context of the activity

prepareUrl

```
public static java.lang.String prepareUrl(java.lang.String url,  
                                           java.lang.String username,  
                                           java.lang.String password)
```

Prepares a URL from the XML customisation file to contain the user username and password

Parameters:

url - the url to prepare

username - the user username

password - the user password

Returns:

the prepared url

saveCredentials

```
public void saveCredentials(android.content.Context context)
```

Saves the credentials of the user into Preferences.

Parameters:

context - the context of the activity

setCredentials

```
public void setCredentials(java.lang.String username,  
                           java.lang.String password)
```

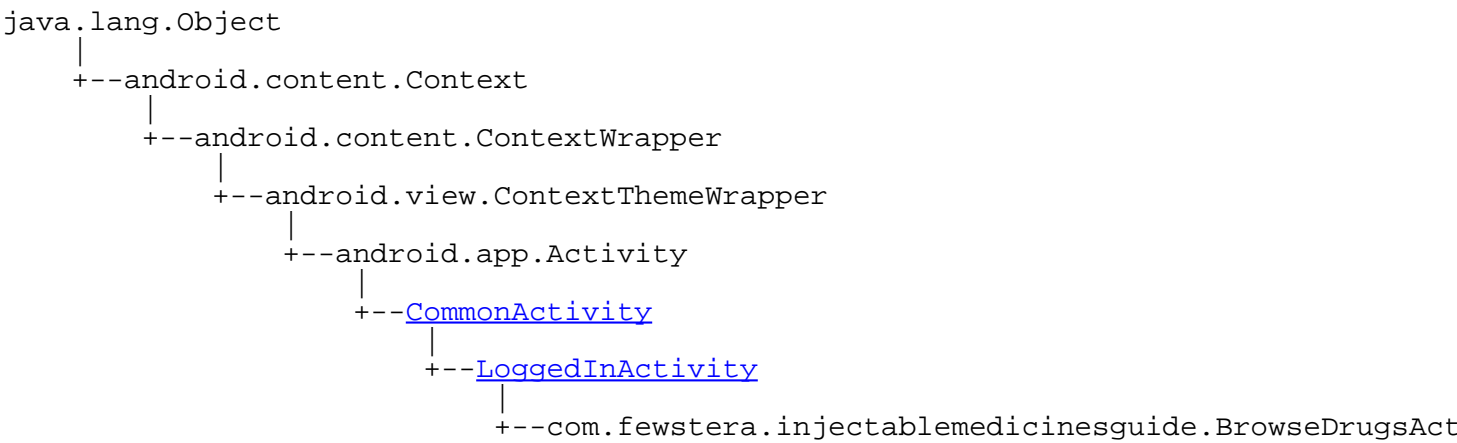
Sets the credentials to be used for authenticating

Parameters:

username - of the user.

password - of the user.

Class BrowseDrugsActivity



All Implemented Interfaces:
android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **BrowseDrugsActivity**
extends [LoggedInActivity](#)

Activity for browsing drugs This activity is used to display a list of all drugs within the database. The user can search for drugs by entering a string. Once the user has found a drug, they can click it, which will open a ViewDrugActivity.

Author:
Aidan Wynne Fewster

Version:
1.0
1.0

Fields

EXTRA_DRUG_ID

public static final java.lang.String **EXTRA_DRUG_ID**

EXTRA_INDEX_NAME

public static final java.lang.String **EXTRA_INDEX_NAME**

_db

[DatabaseHelper](#) _db

_listAdapter

android.widget.ArrayAdapter **_listAdapter**

Constructors

BrowseDrugsActivity

```
public BrowseDrugsActivity()
```

Methods

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

populateDrugsListView

```
private void populateDrugsListView()
```

Populates the ListView with the drug indexes and adds on click listeners for the items.

startTextChangedListener

```
private void startTextChangedListener()
```

Adds a listener to the search box, so that when the search text changes the results are filtered

Class CalcDrugSelectActivity

```
java.lang.Object
|--android.content.Context
    |--android.content.ContextWrapper
        |--android.view.ContextThemeWrapper
            |--android.app.Activity
                |--CommonActivity
                    |--LoggedInActivity
                        |--com.fewstera.injectablemedicinesguide.CalcDrugSelectActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **CalcDrugSelectActivity**
extends [LoggedInActivity](#)

Activity for selecting which drug to calculate dosgae for This activity is used to display a list of all drugs which have a calculator within the database. The user can search for drugs by entering a string. Once the user has found a drug, they can click it, which will open the calculator activity.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

_db

[DatabaseHelper](#) **_db**

_listAdapter

android.widget.ArrayAdapter **_listAdapter**

Constructors

CalcDrugSelectActivity

```
public CalcDrugSelectActivity()
```

Methods

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

populateDrugsListView

```
private void populateDrugsListView()
```

Populates the ListView with the drug indexes and adds on click listeners for the items.

startTextChangedListener

```
private void startTextChangedListener()
```

Adds a listener to the search box, so that when the search text changes the results are filtered

Class CalculateActivity

```
java.lang.Object
|--android.content.Context
    |--android.content.ContextWrapper
        |--android.view.ContextThemeWrapper
            |--android.app.Activity
                |--CommonActivity
                    |--LoggedInActivity
                        |--com.fewstera.injectablemedicinesguide.CalculateActiv
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback, android.widget.AdapterView.OnItemClickListener

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **CalculateActivity**

extends [LoggedInActivity](#)

implements android.widget.AdapterView.OnItemClickListener

Class for handling and displaying the calculate activity

This class is used to layout the calculate values and to send the calculation to the calculate class to validate and calculate.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

`_calcType`

```
private int _calcType
```

`_calculator`

```
Calculator _calculator
```

_calculatorInfo

[DrugCalculatorInfo](#) `_calculatorInfo`

_db

[DatabaseHelper](#) `_db`

_drug

[Drug](#) `_drug`

_twoDp

```
private final java.text.DecimalFormat _twoDp
```

Constructors

CalculateActivity

```
public CalculateActivity()
```

Methods

calculateClick

```
public void calculateClick(android.view.View view)
```

This method is called when the user clicks the calculate button. It gathers all information and sends it to the calculate object for validation. After validation the user will either be displayed with an error, warning or the successful calculation.

Parameters:

view - the view of the button pressed.

displayToast

```
private void displayToast(java.lang.String message)
```

Displays a message to the user in a Toast

Parameters:

message - the message to display

getDosCalcHtml

```
private java.lang.String getDosCalcHtml(double val)
```

Returns the HTML for displaying the calculations for dose from infusion rate. The HTML produces 2 equations (explaining the calculation used) and then answer.

Parameters:

val - the answer to the calculation

getDoubleFromEditText

```
private double getDoubleFromEditText(int editTextId)
```

Returns a double from a EditText

Parameters:

editTextId - the id of the EditText

Returns:

the duoble value of the EditText or -1 if not a number

getIRCalcHtml

```
private java.lang.String getIRCalcHtml(double val)
```

Returns the HTML for displaying the calculations for infusion rate from dose. The HTML produces 2 equations (explaining the calculation used) and then answer.

Parameters:

val - the answer to the calculation

loadCalcTypeSpinner

```
private void loadCalcTypeSpinner()
```

Loads the available calculation types from the strings array a populates the drop down list.

loadHeaderText

```
private void loadHeaderText()
```

Loads the appropriate text into the header labels.

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class `android.app.Activity`

onItemSelected

```
public void onItemSelected(android.widget.AdapterView adapterView,  
                           android.view.View view,  
                           int pos,  
                           long id)
```

This method is called when the user changes the selected calculation type within the drop down menu

Parameters:

adapterView - the adapter view of the spinner
view - the view of the selected item
pos - the position of selected item
id - the id of the selected item

onNothingSelected

```
public void onNothingSelected(android.widget.AdapterView adapterView)
```

This should never be called, as the spinner should never be hidden, but is required for the implementation of `OnItemSelectedListener`

Parameters:

adapterView - the adapted view of the spinner

onOptionsItemSelected

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Overrides:

[onOptionsItemSelected](#) in class [LoggedInActivity](#)

setupUI

```
private void setupUI()
```

showRequiredValues

```
private void showRequiredValues()
```

Hides and shows the patient weight and time required labels and inputs where needed.

showTime

```
private void showTime()
```

Shows the time label and input

showWeight

```
private void showWeight()
```

Shows the patient weight label and input

submitCalculation

```
private void submitCalculation()
```

This method retrieves the value of the calculation and displays the results, along with an explanation of the calculation to the user via a web view.

toggleDose

```
private void toggleDose(boolean show)
```

Shows and hides the dose input and labels where needed

toggleInfusionRate

```
private void toggleInfusionRate(boolean show)
```

Shows and hides the infusion rate input and labels where needed

updateCalculationtype

```
private void updateCalculationtype()
```

This method hides and shows the infusion rate and dose when the user changes the calculation type

validateAndSubmit

```
private void validateAndSubmit()
```

Validates all the entered information and alerts the user of any error / warnings

warnAboutWeight

```
private void warnAboutWeight()
```

Shows the user with a warning regarding the weight they have entered within a dialog. This is called when the weight seems incorrect (To low or to high)

Class Calculator

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.Calculator
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class Calculator
extends java.lang.Object
```

Class for validating and performing dose and infusion rate calculations

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

ERROR_CONCENTRATION

```
public static final int ERROR_CONCENTRATION
```

ERROR_DOSE

```
public static final int ERROR_DOSE
```

ERROR_IR

```
public static final int ERROR_IR
```

ERROR_TIME

```
public static final int ERROR_TIME
```

ERROR_WEIGHT

```
public static final int ERROR_WEIGHT
```

SUCCESS

```
public static final int SUCCESS
```

TYPE_DOSE_FROM_IR

```
public static final int TYPE_DOSE_FROM_IR
```

TYPE_IR_FROM_DOSE

```
public static final int TYPE_IR_FROM_DOSE
```

TYPE_NOTHING_SELECTED

```
public static final int TYPE_NOTHING_SELECTED
```

WARN_WEIGHT

```
public static final int WARN_WEIGHT
```

_calculationType

```
private int _calculationType
```

_calculatorInfo

```
private DrugCalculatorInfo _calculatorInfo
```

_concentration

```
private double _concentration
```

_dose

```
private double _dose
```

_infusionRate

```
private double _infusionRate
```

_time

```
private double _time
```

_weight

```
private double _weight
```

Constructors

Calculator

```
public Calculator(DrugCalculatorInfo calculatorInfo)
```

Calculator constructor

Parameters:

calculatorInfo - the DrugCalculatorInfo of the drug this calculator if for.

Methods

calculate

```
public double calculate()
```

Perform the calculations for calculation type selected

Returns:

the value to the calculation.

calculateDose

```
private double calculateDose(double factor)
```

Calculates the dose from infusion rate

Parameters:

factor - the factor of the calculation

Returns:

the value of the calculation

calculateInfusionRate

```
private double calculateInfusionRate(double factor)
```

Calculates the infusion rate from dosage

Parameters:

factor - the factor of the calculation

Returns:

the value of the calculation

getConcentration

```
public double getConcentration()
```

Gets the concentration value

Returns:

the concentration value

getDose

```
public double getDose()
```

Get the dose

Returns:

the dose

getInfusionRate

```
public double getInfusionRate()
```

Get the infusion rate

Returns:

the infusion rate

getTime

```
public double getTime()
```

Get the time

Returns:

the time in minutes

getType

```
public int getType()
```

Gets the type of the calculation value

Returns:

the calculation type

getWeight

```
public double getWeight()
```

Get the weight of the patient in kg

Returns:

the weight in kg

isConcentrationValid

```
private boolean isConcentrationValid()
```

Checks if the concentration entered is valid (greater than 0)

Returns:

if concentration is valid

isDoseValid

```
private boolean isDoseValid()
```

Checks if the dose entered is valid (greater than 0)

Returns:

if dose is valid

isIRValid

```
private boolean isIRValid()
```

Checks if the infusion rate entered is valid (greater than 0)

Returns:

if infusion rate is valid

isTimeValid

```
private boolean isTimeValid()
```

Checks if the time entered is greater than 0

Returns:

if time is valid

isWeightValid

```
private boolean isWeightValid()
```

Checks if the weight entered if valid (greater than 0)

Returns:

if weight is valid

setConcentration

```
public void setConcentration(double concentration)
```

Sets the user entered concentration value of the drug

Parameters:

concentration - the concentration value

setDose

```
public void setDose(double dose)
```

Sets the user entered dose value

Parameters:

dose - the dose value

setInfusionRate

```
public void setInfusionRate(double infusionRate)
```

Sets the user entered infusion rate value

Parameters:

infusionRate - the dose value

setTime

```
public void setTime(double time)
```

Sets the time

Parameters:

time - the time value in minutes

setType

```
public void setType(int calculationType)
```

Set the type of the calculation

Parameters:

calculationType - the type

setWeight

```
public void setWeight(double weight)
```

Sets the user entered patient weight in kg

Parameters:

weight - the weight of the patient in kg

validate

```
public int validate(boolean skipWarnings)
```

Validates all the information required to perform the calculation.

Parameters:

skipWarnings - whether to skip any warnings about the data entered

Returns:

SUCCESS if validation is successful and the ERROR/WARN code otherwise.

warnWeight

```
private boolean warnWeight()
```

Checks if the weight seems incorrect (if we should warn user)

Returns:

if weight seems invalid

Class CommonActivity

```
java.lang.Object
|
+--android.content.Context
|
|   +--android.content.ContextWrapper
|   |
|   |   +--android.view.ContextThemeWrapper
|   |   |
|   |   |   +--android.app.Activity
|   |   |   |
|   |   |   |   +--com.fewstera.injectablemedicinesguide.CommonActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

Direct Known Subclasses:

[DownloadDataActivity](#), [LoggedInActivity](#), [LoginActivity](#)

< [Constructors](#) > < [Methods](#) >

```
public class CommonActivity
extends android.app.Activity
```

Class for an activity where the user is logged in This class enables the menu for all activity's where the user is logged in.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Constructors

CommonActivity

```
public CommonActivity()
```

Methods

displayAbout

```
protected void displayAbout()
```

Displays the About dialog

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(android.view.Menu menu)
```

Overrides:

onCreateOptionsMenu in class android.app.Activity

onOptionsItemSelected

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Determines which menu item has been clicked and performs appropriate action

Overrides:

onOptionsItemSelected in class android.app.Activity

Class DownloadDataActivity

```
java.lang.Object
|--android.content.Context
    |--android.content.ContextWrapper
        |--android.view.ContextThemeWrapper
            |--android.app.Activity
                |--CommonActivity
                    |--com.fewstera.injectablemedicinesguide.DownloadDataActivi
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DownloadDataActivity
extends CommonActivity
```

Class for handling and displaying the progress of the download of data from the application. This class is used to show the user progress information whilst the database data is being downloaded. This class also enables error handling when data download fails, allow the user to cancel or retry.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

CALCS_FAIL

```
private final int CALCS_FAIL
```

DRUG_FAIL

```
private final int DRUG_FAIL
```

INDEX_FAIL

```
private final int INDEX_FAIL
```

_dataProgress

```
DataProgress _dataProgress
```

_db

```
DatabaseHelper _db
```

_drugCount

```
int _drugCount
```

_drugDataLinks

```
java.util.HashMap _drugDataLinks
```

_password

```
private java.lang.String _password
```

_progressBar

```
android.widget.ProgressBar _progressBar
```

_progressText

```
android.widget.TextView _progressText
```

_spiceManager

```
private com.octo.android.robospice.SpiceManager _spiceManager
```

_testing

```
boolean _testing
```

_toast

```
android.widget.Toast _toast
```

_username

```
private java.lang.String _username
```

Constructors

DownloadDataActivity

```
public DownloadDataActivity()
```

Methods

beforeDownloadStart

```
private void beforeDownloadStart()
```

This method resets the database ready for the new data. Inits variables and encodes the users username and password

checkIfFinished

```
private void checkIfFinished()
```

Checks if all downloads have finished, if they have open the MainActivity

invalidLogin

```
private void invalidLogin()
```

Alerts the user that their credentials are incorrect and logs them out.

logout

```
private void logout()
```

Logs the users out and returns them to login screen

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(android.view.Menu menu)
```

MENU ITEM OPTIONS *****

Overrides:

[onCreateOptionsMenu](#) in class [CommonActivity](#)

onDownloadFail

```
private void onDownloadFail(int type)
```

This method is called when a request has failed. It will let the user know what has failed and give them the option to try download them sections again

Parameters:

type - which request type has failed

onOptionsItemSelected

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Overrides:

[onOptionsItemSelected](#) in class [CommonActivity](#)

onStart

```
protected void onStart()
```

Called when the activity resumes (E.g. when the user comes back into the application) This method resumes all request listeners and updates progress, so that the progress displays progress made whilst in the background.

Overrides:

onStart in class android.app.Activity

onStop

```
protected void onStop()
```

Called when the activity stops (E.g. when the user presses the home button)

Overrides:

onStop in class android.app.Activity

populateDrugDataLinks

```
private void populateDrugDataLinks()
```

Populates the drugDataLinks attribute to contain the list of API urls for downloading drug information's

showMessage

```
private void showMessage(java.lang.String message)
```

Displays the provided message in a Toast

Parameters:

message - the message to display

startCalcInfoDownload

```
private void startCalcInfoDownload()
```

Starts the request to download the calculator informations

startDrugDataDownload

```
private void startDrugDataDownload(java.lang.String tag,  
                                   java.lang.String link)
```

Starts the request to download drug information's from the API link provided

Parameters:

tag - the tag of the link, user for tracking progress
link - the api link to download

startDrugDataDownloads

```
private void startDrugDataDownloads()
```

Starts the download for all drugs and drug informations

startIndexDownload

```
private void startIndexDownload()
```

Starts the requests to download the drug indexes

updateCompletePrefs

```
private void updateCompletePrefs()
```

Sets the date of the last update to todays date.

updateDownloadDrugProgress

```
private void updateDownloadDrugProgress()
```

Updates the progress whilst drugs download

Class

DownloadDataActivity.calcsDownloadRequestListener

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.DownloadDataActivity.calcsDownloadRequestListener
```

All Implemented Interfaces:

com.octo.android.robospice.request.listener.PendingRequestListener,
com.octo.android.robospice.request.listener.RequestListener

< [Constructors](#) > < [Methods](#) >

```
private final class DownloadDataActivity.calcsDownloadRequestListener
extends java.lang.Object
implements com.octo.android.robospice.request.listener.PendingRequestListener,
com.octo.android.robospice.request.listener.RequestListener
```

Drug calculator information request listener Methods within this class are called when the the calculator download completes or fails.

Constructors

DownloadDataActivity.calcsDownloadRequestListener

```
public DownloadDataActivity.calcsDownloadRequestListener()
```

Methods

onRequestFailure

```
public void
onRequestFailure(com.octo.android.robospice.persistence.exception.SpiceException
spiceException)
```

If the request failed, ask the user whether they'd like to try again

onRequestNotFound

```
public void onRequestNotFound()
```

onRequestSuccess

```
public void onRequestSuccess(java.lang.Void indexNo)
```

Once complete, begin downloading the drug informations.

Class

DownloadDataActivity.drugsDownloadRequestL

```
java.lang.Object
```

```
|  
+--com.fewstera.injectablemedicinesguide.DownloadDataActivity.drugsDownloadRequestL
```

All Implemented Interfaces:

```
com.octo.android.robospice.request.listener.PendingRequestListener,  
com.octo.android.robospice.request.listener.RequestListener
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
private final class DownloadDataActivity.drugsDownloadRequestListener  
extends java.lang.Object  
implements com.octo.android.robospice.request.listener.PendingRequestListener,  
com.octo.android.robospice.request.listener.RequestListener
```

Drug information request listener Methods within this class are called when a drugs list download completes or fails.

Fields

_tag

```
private java.lang.String _tag
```

Constructors

DownloadDataActivity.drugsDownloadRequestListener

```
public DownloadDataActivity.drugsDownloadRequestListener(java.lang.String  
tag)
```

Constructor which allows us to keep track of which link is in progress.

Parameters:

tag - the tag of the link for this listener

Methods

onRequestFailure

```
public void  
onRequestFailure(com.octo.android.robospice.persistence.exception.SpiceException  
spiceException)
```

If the request failed, ask the user whether they'd like to try again

onRequestNotFound

```
public void onRequestNotFound()
```

onRequestSuccess

```
public void  
onRequestSuccess(com.fewstera.injectablemedicinesguide.models.Drug[] drugs)
```

If the request failed, ask the user whether they'd like to try again

Class

DownloadDataActivity.indexDownloadRequestL

```
java.lang.Object  
|  
+--com.fewstera.injectablemedicinesguide.DownloadDataActivity.indexDownloadRequ
```

All Implemented Interfaces:

```
com.octo.android.robospice.request.listener.PendingRequestListener,  
com.octo.android.robospice.request.listener.RequestListener
```

< [Constructors](#) > < [Methods](#) >

```
private final class DownloadDataActivity.indexDownloadRequestListener  
extends java.lang.Object  
implements com.octo.android.robospice.request.listener.PendingRequestListener,  
com.octo.android.robospice.request.listener.RequestListener
```

Index download request listener Methods within this class are called when the the index download completes or fails.

Constructors

DownloadDataActivity.indexDownloadRequestListener

```
public DownloadDataActivity.indexDownloadRequestListener()
```

Methods

onRequestFailure

```
public void  
onRequestFailure(com.octo.android.robospice.persistence.exception.SpiceException  
spiceException)
```

If the request failed, ask the user whether they'd like to try again

onRequestNotFound

```
public void onRequestNotFound()
```

onRequestSuccess

```
public void onRequestSuccess(java.lang.Integer indexNo)
```

When the request has finished, check that a login error did not occur. If not begin downloading the calculator information

Class LoginActivity

```
java.lang.Object
|
+--android.content.Context
|
|   +--android.content.ContextWrapper
|   |
|   |   +--android.view.ContextThemeWrapper
|   |   |
|   |   |   +--android.app.Activity
|   |   |   |
|   |   |   |   +--CommonActivity
|   |   |   |   |
|   |   |   |   |   +--com.fewstera.injectablemedicinesguide.LoginActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

Direct Known Subclasses:

[BrowseDrugsActivity](#), [CalcDrugSelectActivity](#), [CalculateActivity](#), [MainActivity](#), [ViewDrugActivity](#)

< [Constructors](#) > < [Methods](#) >

```
public class LoginActivity
extends CommonActivity
```

Class for an activity where the user is logged in This class enables the menu for all activity's where the user is logged in.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Constructors

LoginActivity

```
public LoginActivity()
```

Methods

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(android.view.Menu menu)
```

Overrides:

[onCreateOptionsMenu](#) in class [CommonActivity](#)

onOptionsItemSelected

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Determines which menu item has been clicked and performs appropriate action

Overrides:

[onOptionsItemSelected](#) in class [CommonActivity](#)

Class LoginActivity

```
java.lang.Object
|
+--android.content.Context
|   |
|   +--android.content.ContextWrapper
|       |
|       +--android.view.ContextThemeWrapper
|           |
|           +--android.app.Activity
|               |
|               +--CommonActivity
|                   |
|                   +--com.fewstera.injectablemedicinesguide.LoginActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class LoginActivity
extends CommonActivity
```

Activity for logging in This activity is used to allow the user to enter their NHS credentials, which logs them into the system.

Author:

Aidan Wynne Fewster

Version:

1.0

Fields

_auth

```
private Auth _auth
```

_loginButton

```
private android.widget.Button _loginButton
```

_password

```
private java.lang.String _password
```

_username

```
private java.lang.String _username
```

Constructors

LoginActivity

```
public LoginActivity()
```

Methods

connectionError

```
public void connectionError()
```

Called when the ValidateLoginTask returns connection error

loginClick

```
public void loginClick(android.view.View view)
```

Called when the login button is press

Parameters:

view - of the login button

loginComplete

```
public void loginComplete()
```

Called when the ValidateLoginTask returns connection error

loginFailed

```
public void loginFailed()
```

Called when the ValidateLoginTask fails (invalid password)

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

Class LoginActivity.ValidateLoginTask

```
java.lang.Object
|
+--android.os.AsyncTask
|
+--com.fewstera.injectablemedicinesguide.LoginActivity.ValidateLoginTask
```

< [Constructors](#) > < [Methods](#) >

```
private class LoginActivity.ValidateLoginTask
extends android.os.AsyncTask
```

InnerClass for validating the users login credentials, called in an AsyncTask to keep the process off the UI thread.

Constructors

LoginActivity.ValidateLoginTask

```
private LoginActivity.ValidateLoginTask()
```

Methods

doInBackground

```
protected java.lang.Boolean doInBackground(java.lang.Void[] p)
```

Overrides:

doInBackground in class android.os.AsyncTask

onPostExecute

```
protected void onPostExecute(java.lang.Boolean isValid)
```

Overrides:

onPostExecute in class android.os.AsyncTask

Class MainActivity

```
java.lang.Object
|--android.content.Context
    |--android.content.ContextWrapper
        |--android.view.ContextThemeWrapper
            |--android.app.Activity
                |--CommonActivity
                    |--LoggedInActivity
                        |--com.fewstera.injectablemedicinesguide.MainActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class MainActivity
extends LoggedInActivity
```

Main activity of the system This is the first activity the user see upon opening the application (provided they've previously logged in). This activity allows user to upload the database ad navigate to other section of the application

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

DEBUG_NAME

```
public static final java.lang.String DEBUG_NAME
```

EXTRA_DRUG_ID

```
public static final java.lang.String EXTRA_DRUG_ID
```

EXTRA_TEST

```
public static final java.lang.String EXTRA_TEST
```

Constructors

MainActivity

```
public MainActivity()
```

Methods

aboutClick

```
public void aboutClick(android.view.View view)
```

When the about button is clicked

Parameters:

view - of the button

calculatorClick

```
public void calculatorClick(android.view.View view)
```

When the calculator button is clicked

Parameters:

view - of the button

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

updateClick

```
public void updateClick(android.view.View view)
```

When the update button is clicked

viewDrugsClick

```
public void viewDrugsClick(android.view.View view)
```

When the view drugs button is clicked

Parameters:

view - of the button

Class Preferences

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.Preferences
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **Preferences**
extends java.lang.Object

Preferences class for the application This is class is responsible for interacting with the phones PreferenceManager. This is used to store data locally for the user.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

DOWNLOAD_COMPLETE

```
public static final java.lang.String DOWNLOAD_COMPLETE
```

PASSWORD_KEY

```
public static final java.lang.String PASSWORD_KEY
```

UPDATE_DATE_KEY

```
public static final java.lang.String UPDATE_DATE_KEY
```

USERNAME_KEY

```
public static final java.lang.String USERNAME_KEY
```

Constructors

Preferences

```
public Preferences()
```

Methods

delete

```
public static void delete(android.content.Context context,  
                           java.lang.String key)
```

Deletes a given key from the preferences

Parameters:

context - the application context
key - the key

getDownloadComplete

```
public static boolean getDownloadComplete(android.content.Context context)
```

Checks if the all data has been downloaded successfully

Parameters:

context - the application context

Returns:

the result of the check

getString

```
public static java.lang.String getString(android.content.Context context,  
                                           java.lang.String key)
```

Retrieves the string for a given key

Parameters:

context - the application context
key - the key

Returns:

the value of the key, or the fallback

getString

```
public static java.lang.String getString(android.content.Context context,  
                                           java.lang.String key,  
                                           java.lang.String fallback)
```

Retrieves the string for a given key

Parameters:

context - the application context

key - the key

fallback - if no value exists for that key, what to return

Returns:

the value of the key, or the fallback

setDownloadComplete

```
public static void setDownloadComplete(android.content.Context context,  
                                         boolean value)
```

Sets the download complete preference

Parameters:

context - the application context

value - if the download is complete (boolean)

setString

```
public static void setString(android.content.Context context,  
                              java.lang.String key,  
                              java.lang.String value)
```

Sets a string value in preferences for a given key

Parameters:

context - the application context

key - the key

value - the value

Class SplashActivity

```
java.lang.Object
|
+--android.content.Context
|
|   +--android.content.ContextWrapper
|   |
|   |   +--android.view.ContextThemeWrapper
|   |   |
|   |   |   +--android.app.Activity
|   |   |   |
|   |   |   |   +--com.fewstera.injectablemedicinesguide.SplashActivity
```

All Implemented Interfaces:

android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class SplashActivity
extends android.app.Activity
```

Splash activity of the application This is the activity responsible for displaying the splash screen when opening the application.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

WAIT_TIME

```
private final int WAIT_TIME
```

Constructors

SplashActivity

```
public SplashActivity()
```

Methods

getActivityClass

```
private java.lang.Class getActivityClass()
```

Returns the class of the next activity to start. If the user isn't logged in then Login activity will be returned. If the user is logged in but the database isn't complete then the Download activity is returned. Otherwise the Main activity is returned.

Returns:

the class of the activity to open after splash screen.

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

startSplashScreenThread

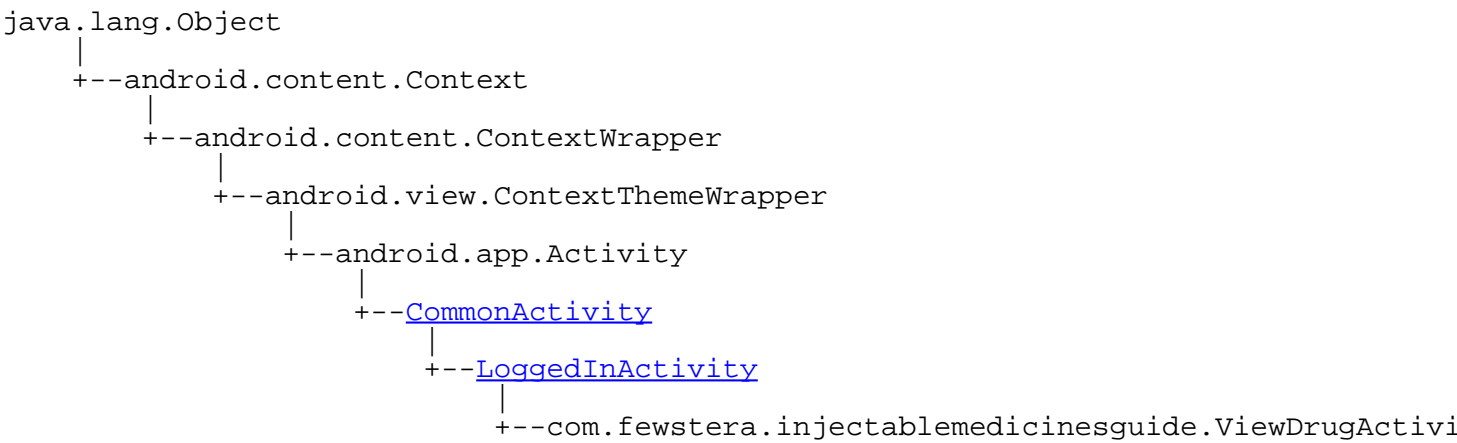
```
private void startSplashScreenThread(java.lang.Class startActivityClass)
```

Makes the user wait *WAIT_TIME* milliseconds while displaying the splash screen, afterwards the activity passed in is launched.

Parameters:

startActivityClass - class of the activity to open after splash screen.

Class ViewDrugActivity



All Implemented Interfaces:
android.content.ComponentCallbacks2, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener,
android.view.Window.Callback

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **ViewDrugActivity**
extends [LoggedInActivity](#)

This class is an activity for displaying a drug and all its information. If a drug has a calculator, this will also allow the user to navigate to the calculator for that drug.

Author:
Aidan Wynne Fewster

Version:
1.0
1.0

Fields

_db
[DatabaseHelper](#) _db

_drug
[Drug](#) _drug

Constructors

ViewDrugActivity

```
public ViewDrugActivity()
```

Methods

addDrugInformation

```
private void addDrugInformation(DrugInformation drugInfo)
```

Adds a DrugInformation to the view.

Parameters:

drugInfo - the DrugInformation to display

displayInfo

```
private void displayInfo(DrugInformation clickedDrugInfo)
```

Displays the HeaderHelper for the given DrugInformation within an AlertDialog

Parameters:

clickedDrugInfo - the DrugInformation thats been clicked

enableCalculator

```
private void enableCalculator()
```

Displays the calculator button if the drug has a calculator

loadDrugInformations

```
private void loadDrugInformations()
```

Display all DrugInformation's.

loadDrugToView

```
private void loadDrugToView()
```

Retrieve all information regarding a drug and displays it to the user.

onCreate

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate in class android.app.Activity

onDestroy

```
public void onDestroy()
```

Overrides:

onDestroy in class android.app.Activity

onInfoClicked

```
public void onInfoClicked(android.view.View view)
```

Called when the user clicks the info icon. This then displays help for the selected item

Parameters:

view - the buttons view

openCalcClick

```
public void openCalcClick(android.view.View view)
```

Called when the user clicks the calculator button

Parameters:

view - of the button

parseHtml

```
private java.lang.String parseHtml(java.lang.String html)
```

Parses HTML so that it's looks better on mobile devices.

Parameters:

html - the html to parse

Returns:

the parsed html

Class DataProgress

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.dataDownload.DataProgress
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **DataProgress**
extends java.lang.Object

Singleton class for the data download progress This class is used for checking the progress of requests and for displaying errors within the data download activity. This is a singleton class, so only one object of this class can be instantiated.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

__calcsDownloaded

```
private boolean __calcsDownloaded
```

__calcsStarted

```
private boolean __calcsStarted
```

__drugList

```
private java.util.ArrayList __drugList
```

__drugsDownload

```
private boolean __drugsDownload
```

__finishedCount


```
private int _finishedCount
```

_indexSize

```
private int _indexSize
```

_loginError

```
private boolean _loginError
```

_succeededTags

```
private java.util.ArrayList _succeededTags
```

instance

```
private static DataProgress instance
```

Constructors

DataProgress

```
protected DataProgress()
```

Prevents object being instantiated

Methods

addDrug

```
public void addDrug(Drug drug)
```

Adds a drug to drug list

Parameters:

drug - to add

addSucceededTag

```
public void addSucceededTag(java.lang.String tag)
```

Adds a tag that has succeeded to the list of complete tags. A tag is a reference to the an API url to download part of the drug data.

Parameters:

tag - the tag that succeeded to be downloaded

calcsHaveDownloaded

```
public void calcsHaveDownloaded()
```

Called when the calculator information has finished downloading

decreaseFinishedCountBy

```
public void decreaseFinishedCountBy(int x)
```

Decreases the amount of finished requests

Parameters:

x - the amount to decrease by

drugsCalcStarted

```
public void drugsCalcStarted()
```

Called when the calculations download had began

drugsDownloadHasStarted

```
public void drugsDownloadHasStarted()
```

Called when the drugs download had began

getDrugList

```
public java.util.ArrayList getDrugList()
```

Get list of all drugs that have been downloaded

Returns:

the list of rugs

getFinishedCount

```
public int getFinishedCount()
```

Gets the amount of finished requests

Returns:

the amount of requests

getIndexSize

```
public int getIndexSize()
```

Returns the size of the index

Returns:

the size of the index

getInstance

```
public static DataProgress getInstance()
```

Retrieves the current instance of the class, as this is a singleton

getSucceededTags

```
public java.util.ArrayList getSucceededTags()
```

Gets a list of all tags that have successfully been downloaded

Returns:

the list of succeeded tags

increaseFinishedCount

```
public void increaseFinishedCount()
```

Increase the amount of finished requests

isLoginError

```
public boolean isLoginError()
```

Check if a login error has occurred

Returns:

true if login error has occurred, false otherwise

loginErrorOccurred

```
public void loginErrorOccurred()
```

Called when a login error has occurred

reset

```
public void reset()
```

Reset all statistics about download

setIndexSize

```
public void setIndexSize(int indexSize)
```

Sets the indexSize (The amount of drugs within the index)

Parameters:

indexSize - the size of the index

shouldDrugsListStart

```
public boolean shouldDrugsListStart()
```

Whether the drugs list download should begin downloading

Returns:

true if the drugs list download should begin, false otherwise

shouldStartCalcsDownload

```
public boolean shouldStartCalcsDownload()
```

Whether the calculator information should begin downloading

Returns:

true if the calculator download should begin, false otherwise

Class DownloadCalculationsRequest

```
java.lang.Object
|
+--com.octo.android.robospice.request.SpiceRequest
|
+--com.fewstera.injectablemedicinesguide.dataDownload.DownloadCalculationsRequest
```

All Implemented Interfaces:

java.lang.Comparable

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DownloadCalculationsRequest
extends com.octo.android.robospice.request.SpiceRequest
```

Class responsible for downloading the drug calculator information.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

_calculatorRepeatTag

```
private java.lang.String _calculatorRepeatTag
```

_concentrationUnitsTag

```
private java.lang.String _concentrationUnitsTag
```

_dataProgress

```
private DataProgress _dataProgress
```

_db

```
private DatabaseHelper _db
```

_doseUnitsTag

```
private java.lang.String _doseUnitsTag
```

_drugIdTag

```
private java.lang.String _drugIdTag
```

_factorTag

```
private java.lang.String _factorTag
```

_infusionRateUnitsTag

```
private java.lang.String _infusionRateUnitsTag
```

_infusionRateLabelTag

```
private java.lang.String _infusionRateLabelTag
```

_password

```
private java.lang.String _password
```

_patientWeightReqTag

```
private java.lang.String _patientWeightReqTag
```

_timeReqTag

```
private java.lang.String _timeReqTag
```

_url

```
private java.lang.String _url
```

_username

```
private java.lang.String _username
```

Constructors

DownloadCalculationsRequest

```
public DownloadCalculationsRequest(android.content.Context context,  
                                   java.lang.String username,  
                                   java.lang.String password)
```

Methods

downloadAndSaveCalcs

```
private void downloadAndSaveCalcs()  
    throws java.lang.Exception
```

Downloads and saves all calculator information's.

Throws:

java.lang.Exception -

getUrl

```
private final java.lang.String getUrl()
```

Get the URL of the calculations API

loadDataFromNetwork

```
public java.lang.Void loadDataFromNetwork()
```

Overrides:

loadDataFromNetwork in class com.octo.android.robospice.request.SpiceRequest

loadXMLValues

```
private void loadXMLValues(android.content.Context context)
```

This method loads the XML tag names and values from the dataDownload.xml resource file. The values are stored in private attributes, so they can be used throughout the object.

Parameters:

context - the application context

parseCalcInfoFromElement

```
private DrugCalculatorInfo parseCalcInfoFromElement(org.w3c.dom.Element calcElem)
```

throws

```
java.lang.Exception
```

Builds drug calculator information from the element

Parameters:

calcElem - the element of the DrugCalculation

Returns:

DrugCalculatorInfo containing the information

Throws:

java.lang.Exception -

Class DownloadDrugsRequest

```
java.lang.Object
```

```
    |--com.octo.android.robospice.request.SpiceRequest
```

```
        |--com.fewstera.injectablemedicinesguide.dataDownload.DownloadDrugsRequest
```

All Implemented Interfaces:

java.lang.Comparable

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DownloadDrugsRequest
    extends com.octo.android.robospice.request.SpiceRequest
```

Class responsible for downloading the drugs and all drug information's.

Author:

Aidan Wynne Fewster

Version:

1.0

Fields

__dataProgress

```
private DataProgress __dataProgress
```

__db

```
private DatabaseHelper __db
```

__drugIdTag

```
private java.lang.String __drugIdTag
```

__drugInfoHeaderHelpTag

```
private java.lang.String __drugInfoHeaderHelpTag
```

__drugInfoHeaderTag

```
private java.lang.String __drugInfoHeaderTag
```

__drugInfoRepeatTag

```
private java.lang.String __drugInfoRepeatTag
```

__drugInfoTextTag

```
private java.lang.String __drugInfoTextTag
```

__drugNameValue

```
private java.lang.String __drugNameValue
```

__drugRepeatTag

```
private java.lang.String _drugRepeatTag
```

_tag

```
private java.lang.String _tag
```

_url

```
private java.lang.String _url
```

Constructors

DownloadDrugsRequest

```
public DownloadDrugsRequest(android.content.Context context,  
                           java.lang.String tag,  
                           java.lang.String url)
```

Methods

addDrugInformationToDrug

```
private Drug addDrugInformationToDrug(Drug drug,  
                                       java.lang.String headerText,  
                                       java.lang.String headerHelper,  
                                       java.lang.String sectionText)
```

Adds the information about the drug to the Drug passed in.

Parameters:

- drug - the drug to add the information to
- headerText - the header text
- headerHelper - the header helper
- sectionText - the section text

Returns:

- the drug with the added drug information

addSectionsDrugInfo

```
private Drug addSectionsDrugInfo(Drug drug,  
                                org.w3c.dom.Element sectionElement)  
                                throws  
java.lang.Exception
```

Retrieves drug information from the drugs section XML element and applies information to the drug.

Parameters:

drug - the drug to add the information to
sectionElement - the XML element containing the drug information

Returns:

the drug with the added drug information

Throws:

java.lang.Exception -

fetchDrugs

```
private java.util.ArrayList fetchDrugs()  
                                throws java.lang.Exception
```

Downloads the XML from the API from the provided URL.

Returns:

the list of Drugs that have been downloaded

Throws:

java.lang.Exception -

getUrl

```
private final java.lang.String getUrl()
```

Get the URL to download the drug data from

Returns:

the url

loadDataFromNetwork

```
public com.fewstera.injectablemedicinesguide.models.Drug[]  
loadDataFromNetwork()
```

Overrides:

loadDataFromNetwork in class com.octo.android.robospice.request.SpiceRequest

loadXMLValues

```
private void loadXMLValues(android.content.Context context)
```

This method loads the XML tag names and values from the dataDownload.xml resource file. The values are stored in private attributes, so they can be used throughout the object.

Parameters:

context - the application context

parseDrugFromElement

```
private Drug parseDrugFromElement(org.w3c.dom.Element drugElement)
                                     throws
java.lang.Exception
```

Retrieves complete drug from the given drug element

Parameters:

drugElement - the XML element containing the drug details

Returns:

the Drug from the element

Throws:

java.lang.Exception -

Class DownloadIndexRequest

```
java.lang.Object
|
+--com.octo.android.robospice.request.SpiceRequest
    |
    +--com.fewstera.injectablemedicinesguide.dataDownload.DownloadIndexRequest
```

All Implemented Interfaces:

java.lang.Comparable

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DownloadIndexRequest
extends com.octo.android.robospice.request.SpiceRequest
```

Class responsible for downloading the drugs and all drug information's.

Author:

Aidan Wynne Fewster

Version:

1.0

Fields

__dataProgress

```
private DataProgress __dataProgress
```

__db

```
private DatabaseHelper __db
```

__drugIdTag

```
private java.lang.String __drugIdTag
```

__indexNameTag

```
private java.lang.String __indexNameTag
```

__indexRepeatTag

```
private java.lang.String __indexRepeatTag
```

__loginErrorTag

```
private java.lang.String __loginErrorTag
```

__password

```
private java.lang.String __password
```

__uniqueIds

```
private java.util.ArrayList __uniqueIds
```

__url

```
private java.lang.String _url
```

username

```
private java.lang.String _username
```

Constructors

DownloadIndexRequest

```
public DownloadIndexRequest(android.content.Context context,  
                             java.lang.String username,  
                             java.lang.String password)
```

Methods

downloadAndSaveIndex

```
private int downloadAndSaveIndex()  
    throws java.lang.Exception
```

Downloads the drug index XML and populates the database with the information

Returns:

the number of unique indexes within the database

Throws:

java.lang.Exception -

getUrl

```
private final java.lang.String getUrl()
```

Get URL for the drug indexes XML API

Returns:

the url

loadDataFromNetwork

```
public java.lang.Integer loadDataFromNetwork()  
    throws java.lang.Exception
```

Begins the request, this is called by the robospice service, when it's ready.

Returns:

the number of unique indexes within the database

Overrides:

loadDataFromNetwork in class com.octo.android.robospice.request.SpiceRequest

Throws:

java.lang.Exception -

loadXMLValues

```
private void loadXMLValues(android.content.Context context)
```

This method loads the XML tag names and values from the dataDownload.xml resource file. The values are stored in private attributes, so they can be used throughout the object.

Parameters:

context - the application context

parseIndexFromElement

```
private DrugIndex parseIndexFromElement(org.w3c.dom.Element drugElement)  
    throws  
java.lang.Exception
```

Retrieves drug index from the XML element

Parameters:

drugElement -

Returns:

the DrugIndex built from the XML elements.

Throws:

java.lang.Exception -

Class DownloadRequestListenerNotifier

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.dataDownload.DownloadRequestListenerNotifier
```

All Implemented Interfaces:

com.octo.android.robospice.request.notifier.RequestListenerNotifier

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DownloadRequestListenerNotifier
    extends java.lang.Object
    implements com.octo.android.robospice.request.notifier.RequestListenerNotifier
```

Default implementation of RequestListenerNotifier. It will notify listeners on the ui thread. I had to copy all the code from the robospice DefaultRequestListenerNotifier class, as the parameters within that class are private, so inheritance could not be used to modify the behaviour of the class. All that I have added is that when Request finishes the results are added to the DataProgress singleton. Original source: <https://github.com/stephanenicolas/robospice/blob/release/robospice-core-parent/robospice/src/main/java/com/o>

Author:

Andrew Clark, Aidan Wynne Fewster

Version:

1.1

1.0

com.octo.android.robospice.request.notifier.DefaultRequestListenerNotifier

Fields

`_dataProgress`

```
private final DataProgress _dataProgress
```

`handlerResponse`

```
private final android.os.Handler handlerResponse
```

Constructors

DownloadRequestListenerNotifier

```
public DownloadRequestListenerNotifier()
```


notifyListenersOfRequestNotFound

```
public void
notifyListenersOfRequestNotFound(com.octo.android.robospice.request.CachedSpiceRequest
request,
                                java.util.Set
listRequestListener)
```

notifyListenersOfRequestProgress

```
public void
notifyListenersOfRequestProgress(com.octo.android.robospice.request.CachedSpiceRequest
request,
                                java.util.Set listeners,
com.octo.android.robospice.request.listener.RequestProgress progress)
```

notifyListenersOfRequestSuccess

```
public void
notifyListenersOfRequestSuccess(com.octo.android.robospice.request.CachedSpiceRequest
request,
                                java.lang.Object result,
                                java.util.Set listeners)
```

post

```
private void post(java.lang.Runnable r,
                  java.lang.Object token)
```

Class

DownloadRequestListenerNotifier.NotFoundRunnable

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.dataDownload.DownloadRequestListenerNotifier
```

All Implemented Interfaces:

java.lang.Runnable

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

private static class **DownloadRequestListenerNotifier.NotFoundRunnable**

extends java.lang.Object
implements java.lang.Runnable

Fields

listeners

```
private final java.util.Set listeners
```

Constructors

DownloadRequestListenerNotifier.NotFoundRunnable

```
public DownloadRequestListenerNotifier.NotFoundRunnable(java.util.Set  
listeners)
```

Methods

run

```
public void run()
```

Class

DownloadRequestListenerNotifier.ProgressRunnable

```
java.lang.Object  
|  
+--com.fewstera.injectablemedicinesguide.dataDownload.DownloadRequestListenerNo
```

All Implemented Interfaces:

java.lang.Runnable

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
private static class DownloadRequestListenerNotifier.ProgressRunnable
```

```
extends java.lang.Object
```

```
implements java.lang.Runnable
```

Fields

listeners

```
private final java.util.Set listeners
```

progress

```
private final com.octo.android.robospice.request.listener.RequestProgress  
progress
```

Constructors

DownloadRequestListenerNotifier.ProgressRunnable

```
public DownloadRequestListenerNotifier.ProgressRunnable(java.util.Set  
listeners,  
com.octo.android.robospice.request.listener.RequestProgress progress)
```

Methods

run

```
public void run()
```

Class

DownloadRequestListenerNotifier.ResultRunnable

```
java.lang.Object  
|  
+--com.fewstera.injectablemedicinesguide.dataDownload.DownloadRequestListenerNo
```

All Implemented Interfaces:

```
java.lang.Runnable
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
private static class DownloadRequestListenerNotifier.ResultRunnable  
extends java.lang.Object  
implements java.lang.Runnable
```

Fields

listeners

```
private final java.util.Set listeners
```

result

```
private java.lang.Object result
```

spiceException

```
private com.octo.android.robospice.persistence.exception.SpiceException  
spiceException
```

Constructors

DownloadRequestListenerNotifier.ResultRunnable

```
public DownloadRequestListenerNotifier.ResultRunnable(java.util.Set  
listeners,  
                                                    java.lang.Object  
result)
```

DownloadRequestListenerNotifier.ResultRunnable

```
public DownloadRequestListenerNotifier.ResultRunnable(java.util.Set  
listeners,  
com.octo.android.robospice.persistence.exception.SpiceException  
spiceException)
```

Methods

run

```
public void run()
```

Class DownloadService

```
java.lang.Object
|
+--android.content.Context
|
|   +--android.content.ContextWrapper
|   |
|   |   +--android.app.Service
|   |   |
|   |   |   +--com.octo.android.robospice.SpiceService
|   |   |   |
|   |   |   |   +--com.octo.android.robospice.UncachedSpiceService
|   |   |   |   |
|   |   |   |   |   +--com.fewstera.injectablemedicinesguide.dataDownload.Downl
```

All Implemented Interfaces:

android.content.ComponentCallbacks2

< [Constructors](#) > < [Methods](#) >

```
public class DownloadService
extends com.octo.android.robospice.UncachedSpiceService
```

RobospiceService class for handling the download of data. This is an uncached service as the data is downloaded infrequently, so the cache will most likely have expired by the next time the request is made.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

com.octo.android.robospice.SpiceService

Constructors

DownloadService

```
public DownloadService()
```

Methods

createDefaultNotification

```
public android.app.Notification createDefaultNotification()
```

Returns the Notification to be used whilst the Service is running. This allows for a notification to be displayed within the notification center whilst download is in progress. Suppressing deprecation, as deprecated method have to be used for older device notifications

Returns:

the notification to display This code is very similar to the code within the SpiceService class as found here

<https://github.com/stephanenicolos/robospice/blob/release/robospice-core-parent/robospice/src/main/java/com/octo/android/robospice/SpiceService.java#L100>

Overrides:

createDefaultNotification in class com.octo.android.robospice.SpiceService

createRequestRequestListenerNotifier

```
protected com.octo.android.robospice.request.notifier.RequestListenerNotifier  
createRequestRequestListenerNotifier()
```

Gets the request listener notifier

Returns:

the request listener notifier

Overrides:

createRequestRequestListenerNotifier in class com.octo.android.robospice.SpiceService

getThreadCount

```
public int getThreadCount()
```

Get the max amount of threads

Returns:

the max amount of threads

Overrides:

getThreadCount in class com.octo.android.robospice.SpiceService

Class DatabaseHelper

```
java.lang.Object
|
+--android.database.sqlite.SQLiteOpenHelper
|
+--com.fewstera.injectablemedicinesguide.database.DatabaseHelper
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

public class **DatabaseHelper**
extends android.database.sqlite.SQLiteOpenHelper

Class for handling database interactions This class is used for managing the database. It allows for the selection, insertion and deletion of the database data.

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

CREATE_TABLE_DRUGS

```
private static final java.lang.String CREATE_TABLE_DRUGS
```

CREATE_TABLE_DRUG_CALCS

```
private static final java.lang.String CREATE_TABLE_DRUG_CALCS
```

CREATE_TABLE_DRUG_INDEX

```
private static final java.lang.String CREATE_TABLE_DRUG_INDEX
```

CREATE_TABLE_DRUG_INFORMATIONS

```
private static final java.lang.String CREATE_TABLE_DRUG_INFORMATIONS
```

DATABASE_VERSION


```
private static final int DATABASE_VERSION
```

F_KEY_DRUG_ID

```
private static final java.lang.String F_KEY_DRUG_ID
```

KEY_CONCENTRATION_UNITS

```
private static final java.lang.String KEY_CONCENTRATION_UNITS
```

KEY_DOSE_UNITS

```
private static final java.lang.String KEY_DOSE_UNITS
```

KEY_FACTOR

```
private static final java.lang.String KEY_FACTOR
```

KEY_HEADER_HELPER

```
private static final java.lang.String KEY_HEADER_HELPER
```

KEY_HEADER_TEXT

```
private static final java.lang.String KEY_HEADER_TEXT
```

KEY_ID

```
private static final java.lang.String KEY_ID
```

KEY_INDEX_NAME

```
private static final java.lang.String KEY_INDEX_NAME
```

KEY_INFUSION_LABEL

```
private static final java.lang.String KEY_INFUSION_LABEL
```

KEY_INFUSION_UNITS

```
private static final java.lang.String KEY_INFUSION_UNITS
```

KEY_NAME

```
private static final java.lang.String KEY_NAME
```

KEY_SECTION_TEXT

```
private static final java.lang.String KEY_SECTION_TEXT
```

KEY_TIME_REQ

```
private static final java.lang.String KEY_TIME_REQ
```

KEY_WEIGHT_REQ

```
private static final java.lang.String KEY_WEIGHT_REQ
```

TABLE_DRUGS

```
private static final java.lang.String TABLE_DRUGS
```

TABLE_DRUG_CALCS

```
private static final java.lang.String TABLE_DRUG_CALCS
```

TABLE_DRUG_INDEXES

```
private static final java.lang.String TABLE_DRUG_INDEXES
```

TABLE_DRUG_INFOS

```
private static final java.lang.String TABLE_DRUG_INFOS
```

Constructors

DatabaseHelper

```
public DatabaseHelper(android.content.Context context)
```

DatabaseHelper

```
public DatabaseHelper(android.content.Context context,  
                      java.lang.String dbPrefix)
```

Methods

createDrug

```
public long createDrug(Drug drug)
```

Saves the given drug to the database, including its DrugInformation's

Parameters:

drug - the drug to save

Returns:

the id of the inserted row.

createDrugCalcInfo

```
public long createDrugCalcInfo(DrugCalculatorInfo drugCalculatorInfo)
```

Saves the given DrugCalculatorInfo to the database

Parameters:

drugCalculatorInfo - the information to save

Returns:

the id of the inserted DrugCalculatorInfo

createDrugIndex

```
public long createDrugIndex(DrugIndex index)
```

Saves the given drug index to the database

Parameters:

index - the index to save

Returns:

the id of the inserted index

createDrugInfo

```
private long createDrugInfo(long drugId,  
                             DrugInformation info)
```

Saves the given DrugInformation to the database

Parameters:

drugId - the id that the DrugInformation belongs to
info - the DrugInformation to save

Returns:

the id of the inserted drug information

cursorToDrug

```
private Drug cursorToDrug(android.database.Cursor cursor)
```

Populates a drug from the database cursor

Parameters:

cursor - the cursor of the drug

Returns:

the populated drug

cursorToDrugCalculatorInfo

```
private DrugCalculatorInfo cursorToDrugCalculatorInfo(android.database.Cursor  
cursor)
```

Creates a DrugCalculatorInfo from the database cursor

Parameters:

cursor - the database cursor

Returns:

the populated DrugCalculatorInfo

cursorToDrugIndex

```
private DrugIndex cursorToDrugIndex(android.database.Cursor cursor)
```

Populates a DrugIndex with data from a database cursor

Parameters:

cursor - the database cursor

Returns:

the populated DrugIndex

cursorToDrugInfo

```
private DrugInformation cursorToDrugInfo(android.database.Cursor cursor)
```

Creates a DrugInfo from a database cursor

Parameters:

cursor - the database cursor

Returns:

the populated DrugInfo

getAllDrugIndexes

```
public java.util.List getAllDrugIndexes()
```

Retrieves all the DrugIndex's from the database.

Returns:

a list of all the DrugIndex's

getAllDrugsWithCalcs

```
public java.util.List getAllDrugsWithCalcs()
```

Retrieves a list of all Drugs with a calculator

Returns:

a list the Drugs with calculators

getDrugCalcInfoFromDrugId

```
public DrugCalculatorInfo getDrugCalcInfoFromDrugId(int id)
```

Retrieves the drugs calculator information for its id

Parameters:

id - the id of the Drug

Returns:

the DrugCalculatorInfo for that Drug

getDrugFromId

```
public Drug getDrugFromId(int id)
```

Retrieves a Drug from the database which has the specified id

Parameters:

id - the id of the drug to retrieve

Returns:

the drug

getDrugInformationsFromDrugId

```
public java.util.ArrayList getDrugInformationsFromDrugId(int id)
```

Gets a list of DrugInformations for the given drug id

Parameters:

id - the id of the Drug

Returns:

list of DrugInformation's

onCreate

```
public void onCreate(android.database.sqlite.SQLiteDatabase db)
```

Overrides:

onCreate in class android.database.sqlite.SQLiteOpenHelper

onUpgrade

```
public void onUpgrade(android.database.sqlite.SQLiteDatabase db,  
                      int oldVersion,  
                      int newVersion)
```

Overrides:

onUpgrade in class android.database.sqlite.SQLiteOpenHelper

truncateAll

```
public void truncateAll()
```

truncateCalcs

```
public void truncateCalcs()
```

truncateIndexes

```
public void truncateIndexes()
```

Class Drug

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.models.Drug
```

All Implemented Interfaces:

```
java.lang.Comparable
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class Drug
extends java.lang.Object
implements java.lang.Comparable
```

Class that represents the model of a Drug

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

_calculatorInfo

```
private DrugCalculatorInfo _calculatorInfo
```

_drugInformations

```
private java.util.ArrayList _drugInformations
```

_id

```
private int _id
```

_name

```
private java.lang.String _name
```

Constructors

Drug

```
public Drug()
```

Methods

addDrugInformation

```
public void addDrugInformation(DrugInformation drugInfo)
```

Add new information to the drug

Parameters:

drugInfo - DrugInformation to add

compareTo

```
public int compareTo(Drug test)
```

Compares a drug to another drug

Parameters:

test - the drug to test against

Returns:

the result of the comparison

getCalculatorInfo

```
public DrugCalculatorInfo getCalculatorInfo(DatabaseHelper db)
```

Get the DrugCalculatorInfo for the drug

Parameters:

db - the database

Returns:

the DrugCalculatorInfo or null if there isn't any

getDrugInformations

```
public java.util.ArrayList getDrugInformations()
```

Get an ArrayList of all the drug information's

Returns:

the list of DrugInformation's

getDrugInformations

```
public java.util.ArrayList getDrugInformations(DatabaseHelper db)
```

Get an ArrayList of all the drug information's from the database

Parameters:

db - the database

Returns:

getId

```
public int getId()
```

Get id of the drug (drug-no)

Returns:

the id

getName

```
public java.lang.String getName()
```

Get drugs name

Returns:

the name

setId

```
public void setId(int id)
```

Sets the drug's id

Parameters:

id - the id

setName

```
public void setName(java.lang.String name)
```

Set drug name

Parameters:

name - the name

toString

```
public java.lang.String toString()
```

Outputs a Drug as a string (Used by the ListAdapters)

Returns:

the String for outputing the Drug as a string

Overrides:

toString in class java.lang.Object

Class DrugCalculatorInfo

```
java.lang.Object
```

```
|  
|--com.fewstera.injectablemedicinesguide.models.DrugCalculatorInfo
```

[< Fields](#) > [< Constructors](#) > [< Methods](#) >

```
public class DrugCalculatorInfo  
extends java.lang.Object
```

Class that represents the model of a drugs calculator information

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

__concentrationUnits

```
private java.lang.String __concentrationUnits
```

__doseUnits

```
private java.lang.String __doseUnits
```

__drugId

```
private int __drugId
```

__factor

```
private java.lang.Integer __factor
```

__infusionRateLabel

```
private java.lang.String __infusionRateLabel
```

__infusionRateUnits

```
private java.lang.String __infusionRateUnits
```

__patientWeightRequired

```
private boolean _patientWeightRequired
```

_timeRequired

```
private boolean _timeRequired
```

Constructors

DrugCalculatorInfo

```
public DrugCalculatorInfo()
```

Methods

getConcentrationUnits

```
public java.lang.String getConcentrationUnits()
```

Gets the concentration units

Returns:

the concentration units

getDoseUnits

```
public java.lang.String getDoseUnits()
```

Gets the dose units

Returns:

the dose units

getDrugId

```
public int getDrugId()
```

Gets the ID of the drug this calculator belongs to

Returns:

the id

getFactor

```
public java.lang.Integer getFactor()
```

Gets the factor of the calculation

Returns:

the factor

getInfusionRateLabel

```
public java.lang.String getInfusionRateLabel()
```

Gets the infusion rate label

Returns:

the infusion rate label

getInfusionRateUnits

```
public java.lang.String getInfusionRateUnits()
```

Gets the infusion rate units

Returns:

the infusion rate units

isPatientWeightRequired

```
public boolean isPatientWeightRequired()
```

Checks if the patient weight is required for the calculation

Returns:

true if its needed, false otherwise

isTimeRequired

```
public boolean isTimeRequired()
```

Checks if the time is required for the calculation

Returns:

true if its needed, false otherwise

setConcentrationUnits

```
public void setConcentrationUnits(java.lang.String concentrationUnits)
```

Sets the concentration units

Parameters:

concentrationUnits - the concentration units

setDoseUnits

```
public void setDoseUnits(java.lang.String doseUnits)
```

Sets the dose units

Parameters:

doseUnits - the dose units

setDrugId

```
public void setDrugId(int drugId)
```

Sets the ID of the drug this calculator belongs to

Parameters:

drugId - the id

setFactor

```
public void setFactor(java.lang.Integer factor)
```

Sets the factor of the calculation

Parameters:

factor - the factor

setInfusionRateLabel

```
public void setInfusionRateLabel(java.lang.String infusionRateLabel)
```

Sets the infusion rate label

Parameters:

infusionRateLabel - the infusion rate label

setInfusionRateUnits

```
public void setInfusionRateUnits(java.lang.String infusionRateUnits)
```

Sets the infusion rate units

Parameters:

infusionRateUnits - the infusion rate units

setPatientWeightRequired

```
public void setPatientWeightRequired(boolean patientWeightRequired)
```

Sets if the patient weight is required for the calculation

Parameters:

patientWeightRequired - true if its needed, false otherwise

setTimeRequired

```
public void setTimeRequired(boolean timeRequired)
```

Sets if the time is required for the calculation

Parameters:

timeRequired - true if its needed, false otherwise

Class DrugIndex

```
java.lang.Object  
|  
+--com.fewstera.injectablemedicinesguide.models.DrugIndex
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DrugIndex  
extends java.lang.Object
```

Class that represents the model of a DrugIndex

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

_drugId

```
private int _drugId
```

_name

```
private java.lang.String _name
```

Constructors

DrugIndex

```
public DrugIndex(int drugId,  
                 java.lang.String name)
```

Methods

getDrugId

```
public int getDrugId()
```

Get the id of the drug that this Index belongs to

Returns:

the id

getName

```
public java.lang.String getName()
```

Get the name of this index

Returns:

the name

toString

```
public java.lang.String toString()
```

Converts the DrugIndex to string (used by ListAdapter)

Returns:

the drugs name

Overrides:

toString in class java.lang.Object

Class DrugInformation

```
java.lang.Object
|
+--com.fewstera.injectablemedicinesguide.models.DrugInformation
```

< [Fields](#) > < [Constructors](#) > < [Methods](#) >

```
public class DrugInformation
extends java.lang.Object
```

Class that represents the model of a piece of information a drug contains

Author:

Aidan Wynne Fewster

Version:

1.0

1.0

Fields

_headerHelper

```
private java.lang.String _headerHelper
```

_headerText

```
private java.lang.String _headerText
```

_id

```
private int _id
```

`_sectionText`

```
private java.lang.String _sectionText
```

Constructors

DrugInformation

```
public DrugInformation(int id,  
                      java.lang.String headerText,  
                      java.lang.String headerHelper,  
                      java.lang.String sectionText)
```

Constructor used when creating from the database

Parameters:

id - the drug id that this belongs to
headerText - the header text
headerHelper - the heading help
sectionText - the context of the information

DrugInformation

```
public DrugInformation(java.lang.String headerText,  
                      java.lang.String headerHelper,  
                      java.lang.String sectionText)
```

Constructor used when first creating a drug information (When not stored within DB)

Parameters:

headerText - the header text
headerHelper - the heading help
sectionText - the context of the information

Methods

getHeaderHelper

```
public java.lang.String getHeaderHelper()
```

Gets the header help

Returns:

the heading help

getHeaderText

```
public java.lang.String getHeaderText()
```

Gets the header text

Returns:

the header text

getId

```
public int getId()
```

Gets the drug id

Returns:

the id

getSectionText

```
public java.lang.String getSectionText()
```

Gets the context of the information

Returns:

the information

INDEX

A

[aboutClick](#) ... 39
[addDrug](#) ... 49
[addDrugInformation](#) ... 46
[addDrugInformation](#) ... 80
[addDrugInformationToDrug](#) ... 58
[addSectionsDrugInfo](#) ... 59
[addSucceededTag](#) ... 50
[Auth](#) ... 2
[Auth](#) ... 2

B

[beforeDownloadStart](#) ... 25
[BrowseDrugsActivity](#) ... 5
[BrowseDrugsActivity](#) ... 6

C

[calcsHaveDownloaded](#) ... 50
[calculate](#) ... 17
[calculateClick](#) ... 10
[calculateDose](#) ... 17
[calculateInfusionRate](#) ... 17
[calculatorClick](#) ... 39
[checkIfFinished](#) ... 26
[clearNotificationsForRequest](#) ... 65
[compareTo](#) ... 80
[connectionError](#) ... 35
[createDefaultNotification](#) ... 71
[createDrug](#) ... 75
[createDrugCalcInfo](#) ... 75
[createDrugIndex](#) ... 75
[createDrugInfo](#) ... 76
[createRequestRequestListenerNotifier](#) ... 71
[cursorToDrug](#) ... 76
[cursorToDrugCalculatorInfo](#) ... 76
[cursorToDrugIndex](#) ... 76
[cursorToDrugInfo](#) ... 77
[CalcDrugSelectActivity](#) ... 7
[CalcDrugSelectActivity](#) ... 8
[CALCS_FAIL](#) ... 24
[CalculateActivity](#) ... 9
[CalculateActivity](#) ... 10
[Calculator](#) ... 14
[Calculator](#) ... 16
[CommonActivity](#) ... 22
[CommonActivity](#) ... 22
[CREATE TABLE DRUG CALCS](#) ... 72
[CREATE TABLE DRUG INDEX](#) ... 72
[CREATE TABLE DRUG INFORMATIONS](#) ... 72
[CREATE TABLE DRUGS](#) ... 72

D

[decreaseFinishedCountBy](#) ... 50
[delete](#) ... 41
[displayAbout](#) ... 22
[displayInfo](#) ... 46
[displayToast](#) ... 11
[doInBackground](#) ... 37
[downloadAndSaveCalcs](#) ... 55
[downloadAndSaveIndex](#) ... 62
[drugsCalcStarted](#) ... 50
[drugsDownloadHasStarted](#) ... 50
[DATABASE_VERSION](#) ... 72
[DatabaseHelper](#) ... 72
[DatabaseHelper](#) ... 75
[DatabaseHelper](#) ... 75
[DataProgress](#) ... 48
[DataProgress](#) ... 49
[DEBUG_NAME](#) ... 38
[DOWNLOAD_COMPLETE](#) ... 40
[DownloadCalculationsRequest](#) ... 53
[DownloadCalculationsRequest](#) ... 55
[DownloadDataActivity](#) ... 23
[DownloadDataActivity](#) ... 25
[DownloadDataActivity.calcsDownloadRequestListener](#) ... 29
[DownloadDataActivity.calcsDownloadRequestListener](#) ... 29
[DownloadDataActivity.drugsDownloadRequestListener](#) ... 30
[DownloadDataActivity.drugsDownloadRequestListener](#) ... 30
[DownloadDataActivity.drugsDownloadRequestListener](#) ... 30
[DownloadDataActivity.indexDownloadRequestListener](#) ... 31
[DownloadDataActivity.indexDownloadRequestListener](#) ... 32
[DownloadDrugsRequest](#) ... 56
[DownloadDrugsRequest](#) ... 58
[DownloadIndexRequest](#) ... 60
[DownloadIndexRequest](#) ... 62
[DownloadRequestListenerNotifier](#) ... 64
[DownloadRequestListenerNotifier](#) ... 64
[DownloadRequestListenerNotifier.NotFoundRunnable](#) ... 66
[DownloadRequestListenerNotifier.NotFoundRunnable](#) ... 67
[DownloadRequestListenerNotifier.ProgressRunnable](#) ... 67
[DownloadRequestListenerNotifier.ProgressRunnable](#) ... 68
[DownloadRequestListenerNotifier.ResultRunnable](#) ... 68
[DownloadRequestListenerNotifier.ResultRunnable](#) ... 69
[DownloadRequestListenerNotifier.ResultRunnable](#) ... 69
[DownloadService](#) ... 70
[DownloadService](#) ... 70
[Drug](#) ... 79
[Drug](#) ... 80
[DRUG_FAIL](#) ... 24
[DrugCalculatorInfo](#) ... 82
[DrugCalculatorInfo](#) ... 84

[DrugIndex](#) ... 87
[DrugIndex](#) ... 88
[DrugInformation](#) ... 89
[DrugInformation](#) ... 90
[DrugInformation](#) ... 90

E

[enableCalculator](#) ... 46
[ERROR_CONCENTRATION](#) ... 15
[ERROR_DOSE](#) ... 15
[ERROR_IR](#) ... 15
[ERROR_TIME](#) ... 15
[ERROR_WEIGHT](#) ... 15
[EXTRA_DRUG_ID](#) ... 5
[EXTRA_DRUG_ID](#) ... 38
[EXTRA_INDEX_NAME](#) ... 5
[EXTRA_TEST](#) ... 38

F

[fetchDrugs](#) ... 59
[F_KEY_DRUG_ID](#) ... 73

G

[getActivityClass](#) ... 44
[getAllDrugIndexes](#) ... 77
[getAllDrugsWithCalcs](#) ... 77
[getCalculatorInfo](#) ... 81
[getConcentration](#) ... 17
[getConcentrationUnits](#) ... 84
[getDosCalcHtml](#) ... 11
[getDose](#) ... 18
[getDoseUnits](#) ... 84
[getDoubleFromEditText](#) ... 11
[getDownloadComplete](#) ... 41
[getDrugCalcInfoFromDrugId](#) ... 77
[getDrugFromId](#) ... 78
[getDrugId](#) ... 84
[getDrugId](#) ... 88
[getDrugInformations](#) ... 81
[getDrugInformations](#) ... 81
[getDrugInformationsFromDrugId](#) ... 78
[getDrugList](#) ... 50
[getFactor](#) ... 85
[getFinishedCount](#) ... 51
[getHeaderHelper](#) ... 90
[getHeaderText](#) ... 91
[getId](#) ... 81
[getId](#) ... 91
[getIndexSize](#) ... 51
[getInfusionRate](#) ... 18
[getInfusionRateLabel](#) ... 85
[getInfusionRateUnits](#) ... 85
[getInstance](#) ... 51
[getIRCalcHtml](#) ... 11
[getName](#) ... 82
[getName](#) ... 88
[getSavedPassword](#) ... 3
[getSavedUsername](#) ... 3
[getSectionText](#) ... 91
[getString](#) ... 41
[getString](#) ... 42
[getSucceededTags](#) ... 51
[getThreadCount](#) ... 71
[getTime](#) ... 18
[getType](#) ... 18
[getUri](#) ... 55
[getUri](#) ... 59
[getUri](#) ... 62
[getWeight](#) ... 18

H

[handlerResponse](#) ... 64

I

[increaseFinishedCount](#) ... 51
[instance](#) ... 49
[invalidLogin](#) ... 26
[isConcentrationValid](#) ... 19
[isDoseValid](#) ... 19
[isIRValid](#) ... 19
[isLoggedIn](#) ... 3
[isLoginError](#) ... 52
[isPatientWeightRequired](#) ... 85
[isTimeRequired](#) ... 85
[isTimeValid](#) ... 19
[isValid](#) ... 3
[isWeightValid](#) ... 19
[INDEX_FAIL](#) ... 24

K

[KEY_CONCENTRATION_UNITS](#) ... 73
[KEY_DOSE_UNITS](#) ... 73
[KEY_FACTOR](#) ... 73
[KEY_HEADER_HELPER](#) ... 73
[KEY_HEADER_TEXT](#) ... 73
[KEY_ID](#) ... 73
[KEY_INDEX_NAME](#) ... 73
[KEY_INFUSION_LABEL](#) ... 73
[KEY_INFUSION_UNITS](#) ... 74
[KEY_NAME](#) ... 74
[KEY_SECTION_TEXT](#) ... 74
[KEY_TIME_REQ](#) ... 74
[KEY_WEIGHT_REQ](#) ... 74

L

[listeners](#) ... 67
[listeners](#) ... 68
[listeners](#) ... 69
[loadCalcTypeSpinner](#) ... 11
[loadDataFromNetwork](#) ... 55
[loadDataFromNetwork](#) ... 59
[loadDataFromNetwork](#) ... 63
[loadDrugInformations](#) ... 46
[loadDrugToView](#) ... 46
[loadHeaderText](#) ... 12
[loadXMLValues](#) ... 56
[loadXMLValues](#) ... 60
[loadXMLValues](#) ... 63
[loginClick](#) ... 36
[loginComplete](#) ... 36
[loginErrorOccurred](#) ... 52
[loginFailed](#) ... 36
[logout](#) ... 4
[logout](#) ... 26
[LoggedInActivity](#) ... 33
[LoggedInActivity](#) ... 33
[LoginActivity](#) ... 34
[LoginActivity](#) ... 35
[LoginActivity.ValidateLoginTask](#) ... 36
[LoginActivity.ValidateLoginTask](#) ... 37

M

[MainActivity](#) ... 37
[MainActivity](#) ... 38

N

[notifyListenersOfRequestAdded](#) ... 65
[notifyListenersOfRequestAggregated](#) ... 65
[notifyListenersOfRequestCancellation](#) ... 65
[notifyListenersOfRequestFailure](#) ... 65
[notifyListenersOfRequestNotFound](#) ... 66
[notifyListenersOfRequestProgress](#) ... 66
[notifyListenersOfRequestSuccess](#) ... 66

O

[onCreate](#) ... 6
[onCreate](#) ... 8
[onCreate](#) ... 12
[onCreate](#) ... 26
[onCreate](#) ... 36
[onCreate](#) ... 39
[onCreate](#) ... 44
[onCreate](#) ... 47
[onCreate](#) ... 78
[onCreateOptionsMenu](#) ... 23
[onCreateOptionsMenu](#) ... 26
[onCreateOptionsMenu](#) ... 34
[onDestroy](#) ... 47
[onDownloadFail](#) ... 26
[onInfoClicked](#) ... 47
[onItemSelected](#) ... 12
[onNothingSelected](#) ... 12
[onOptionsItemSelected](#) ... 12
[onOptionsItemSelected](#) ... 23
[onOptionsItemSelected](#) ... 27
[onOptionsItemSelected](#) ... 34
[onPostExecute](#) ... 37
[onRequestFailure](#) ... 29
[onRequestFailure](#) ... 31
[onRequestFailure](#) ... 32
[onRequestNotFound](#) ... 29
[onRequestNotFound](#) ... 31
[onRequestNotFound](#) ... 32
[onRequestSuccess](#) ... 30
[onRequestSuccess](#) ... 31
[onRequestSuccess](#) ... 32
[onStart](#) ... 27
[onStop](#) ... 27
[onUpgrade](#) ... 78
[openCalcClick](#) ... 47

P

[parseCalcInfoFromElement](#) ... 56
[parseDrugFromElement](#) ... 60
[parseHtml](#) ... 47
[parseIndexFromElement](#) ... 63
[populateDrugsListView](#) ... 6
[populateDrugsListView](#) ... 8
[populateDrugDataLinks](#) ... 27
[post](#) ... 66
[prepareUrl](#) ... 4
[progress](#) ... 68
[PASSWORD_KEY](#) ... 40
[Preferences](#) ... 40
[Preferences](#) ... 41

R

[reset](#) ... 52
[result](#) ... 69
[run](#) ... 67
[run](#) ... 68
[run](#) ... 69

S

[saveCredentials](#) ... 4
[setConcentration](#) ... 20
[setConcentrationUnits](#) ... 86
[setCredentials](#) ... 4
[setDose](#) ... 20
[setDoseUnits](#) ... 86
[setDownloadComplete](#) ... 42
[setDrugId](#) ... 86
[setFactor](#) ... 86
[setId](#) ... 82
[setIndexSize](#) ... 52
[setInfusionRate](#) ... 20
[setInfusionRateLabel](#) ... 86
[setInfusionRateUnits](#) ... 87
[setName](#) ... 82
[setPatientWeightRequired](#) ... 87
[setString](#) ... 42
[setTime](#) ... 20
[setTimeRequired](#) ... 87
[setType](#) ... 20
[setupUI](#) ... 13
[setWeight](#) ... 21
[shouldDrugsListStart](#) ... 52
[shouldStartCalcsDownload](#) ... 53
[showMessage](#) ... 27
[showRequiredValues](#) ... 13
[showTime](#) ... 13
[showWeight](#) ... 13
[spiceException](#) ... 69
[startCalcInfoDownload](#) ... 28
[startDrugDataDownload](#) ... 28
[startDrugDataDownloads](#) ... 28
[startIndexDownload](#) ... 28
[startSplashScreenThread](#) ... 44
[startTextChangedListener](#) ... 6
[startTextChangedListener](#) ... 8
[submitCalculation](#) ... 13
[SplashActivity](#) ... 43
[SplashActivity](#) ... 43
[SUCCESS](#) ... 15

T

[toggleDose](#) ... 13
[toggleInfusionRate](#) ... 13
[toString](#) ... 82
[toString](#) ... 89
[truncateAll](#) ... 78
[truncateCalcs](#) ... 79
[truncateIndexs](#) ... 79
[TABLE DRUG CALCS](#) ... 74
[TABLE DRUG INDEXS](#) ... 74
[TABLE DRUG INFOS](#) ... 74
[TABLE DRUGS](#) ... 74
[TYPE DOSE FROM IR](#) ... 15
[TYPE IR FROM DOSE](#) ... 15
[TYPE NOTHING SELECTED](#) ... 15

U

[updateCalculationtype](#) ... 14
[updateClick](#) ... 39
[updateCompletePrefs](#) ... 28
[updateDownloadDrugProgress](#) ... 28
[UPDATE_DATE_KEY](#) ... 40
[USERNAME_KEY](#) ... 40

V

[validate](#) ... 21
[validateAndSubmit](#) ... 14
[viewDrugsClick](#) ... 39
[ViewDrugActivity](#) ... 45
[ViewDrugActivity](#) ... 46

W

[warnAboutWeight](#) ... 14
[warnWeight](#) ... 21
[WAIT_TIME](#) ... 43
[WARN_WEIGHT](#) ... 15