

CS Brain Training

1.0

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Chapter 1

Welcome

Authors

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Todo Connect to SQL for Login/Register and Games

Finish up Games with more questions

Chapter 2

q

==Question 1 How many times will the word "hello" appear?

```
c = 5
a = 7
b = 8
c = b - c
```

```
for i in range(0, c): print("hello")
```

a) 5 b) 7 c) 8 d) 3

==Question 2 A ladybug has two methods: `move()`, which moves her one space in the direction she's facing, and `rotate()`, which rotates the direction she's facing 90 degrees clockwise.

If the ladybug is on a board like the one below, what instruction would you need to use to get the ladybug from point A (where she sits looking North) to point B.

```
. . . . . A. .X.X. .X. . .X. .X.X. .B.
```

*a) rotate, move, rotate, move, rotate x3, move, rotate, move, rotate x3 b) rotate x3, move, rotate, move, rotate x3, move, rotate, move, rotate c) move, rotate, move, rotate, move x3, rotate, move d) rotate, move x2, rotate, move, rotate, move

==Question 3 You have a program like the one below. What would be returned if you call `F(3)`?

```
def F(n): if n == 0: return 0 elif n == 1: return 1 else: return F(n-1)+F(n-2)
```

*a) 2 b) 1 c) 3 d) 5

==Question 4 Which of these is used as an escape character in strings?

a) / b) \ c) ' d) "

==Question 5 What will `c` be equal to at the end of this program?

```
a = 3
b = 2
c = a + b
b = 4
a = a + b
c = c + a
```

*a) 12 b) 5 c) 10 d) 7

==Question 6 What will `c` be equal to at the end of this program?

```
a = 4
b = 5
c = a
d = c
```

```
if (a + 2 > b + 1): c = 2 * c else: c = c / 2
```

a) 2 b) 4 c) 5 d) 3

==Question 7 What will print?

```
a = "foo"
b = "bar"
c = " "
d = a + b + c + a + b
print("d")
```

a) d b) foobar foobar c) foobarfoobar d) foobar

==Question 8 What will print?

```
a = "foo"
b = "bar"
c = " "
d = a + b + c + a + b
print(d)
```

a) d b) foobar foobar c) foobarfoobar d) foobar

==Question 9 What will print?

a = 5 b = 5

```
if (a - b < 0): print("foo") elif (5 == 6): print("baf") elif (7 == 8): print("bof") else: print("bar")
```

a) foo b) bar c) baf d) bof

==Question 10 What will the following code print?

```
mystring = "Hello" mystring += " world." print mystring
```

a) Hello World. b) Helloworld. c) Hello d) wolrd.

Chapter 3

CS-Brain-Training

App Project for CSCI 3308

Chapter 4

Todo List

page Welcome (p. 1)

Connect to SQL for Login/Register and Games

Finish up Games with more questions

Chapter 5

Namespace Index

5.1 Packages

Here are the packages with brief descriptions (if available):

com.roninsamakun.csbraintraining	15
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Hierarchical Index

6.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Class Index

7.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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com.roninsamakun.csbraintraining.BuildConfig	17
com.roninsamakun.csbraintraining.ServerRequests.fetchUserDataAsyncTask	18
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com.roninsamakun.csbraintraining.ServerRequests	24
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Chapter 8

Namespace Documentation

8.1 Package com.roninsamakun.csbraintraining

Packages

- package **test**

Classes

- class **ApplicationTest**
- class **BuildConfig**
- class **GameActivity**
- interface **GetUserCallback**
- class **LoginActivity**
- class **MainActivity**
- class **MainInterface**
- class **R**
- class **RegisterActivity**
- class **ServerRequests**
- class **User**
- class **UserLocalStore**

8.1.1 Detailed Description

Automatically generated file. DO NOT MODIFY

8.2 Package com.roninsamakun.csbraintraining.test

Classes

- class **BuildConfig**
- class **MainActivityTest**

8.2.1 Detailed Description

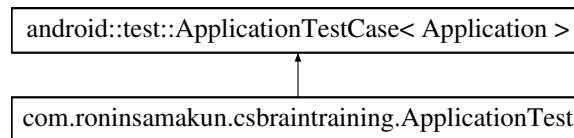
Automatically generated file. DO NOT MODIFY

Chapter 9

Class Documentation

9.1 com.roninsamakun.csbraintraining.ApplicationTest Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.ApplicationTest:



9.1.1 Detailed Description

Testing Fundamentals

The documentation for this class was generated from the following file:

- app/src/androidTest/java/com/roninsamakun/csbraintraining/ApplicationTest.java

9.2 com.roninsamakun.csbraintraining.test.BuildConfig Class Reference

Static Public Attributes

- static final boolean **DEBUG** = Boolean.parseBoolean("true")
- static final String **APPLICATION_ID** = "com.roninsamakun.csbraintraining.test"
- static final String **BUILD_TYPE** = "debug"
- static final String **FLAVOR** = ""
- static final int **VERSION_CODE** = 1
- static final String **VERSION_NAME** = "1.0"

The documentation for this class was generated from the following file:

- app/build/generated/source/buildConfig/test/debug/com/roninsamakun/csbraintraining/test/BuildConfig.java

9.3 com.roninsamakun.csbraintraining.BuildConfig Class Reference

Static Public Attributes

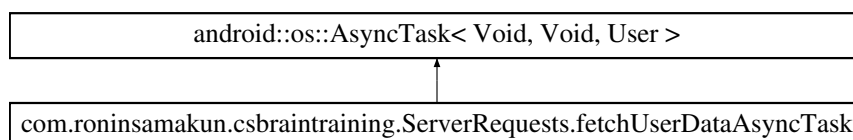
- static final boolean **DEBUG** = Boolean.parseBoolean("true")
- static final String **APPLICATION_ID** = "com.roninsamakun.csbraintraining"
- static final String **BUILD_TYPE** = "debug"
- static final String **FLAVOR** = ""
- static final int **VERSION_CODE** = 1
- static final String **VERSION_NAME** = "1.0"

The documentation for this class was generated from the following file:

- app/build/generated/source/buildConfig/debug/com/roninsamakun/csbraintraining/BuildConfig.java

9.4 com.roninsamakun.csbraintraining.ServerRequests.fetchUserDataAsyncTask Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.ServerRequests.fetchUserDataAsyncTask:



Public Member Functions

- **fetchUserDataAsyncTask** (**User** user, GetUserCallback userCallBack)

Protected Member Functions

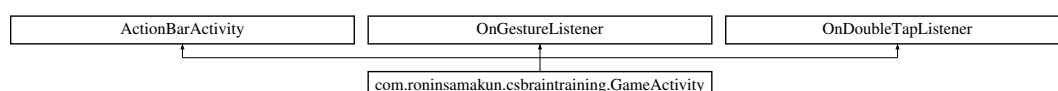
- **User doInBackground** (Void...params)
- void **onPostExecute** (**User** returnedUser)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/ServerRequests.java

9.5 com.roninsamakun.csbraintraining.GameActivity Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.GameActivity:



Public Member Functions

- void **questionSetup** ()
- boolean **onTouchEvent** (MotionEvent event)
- boolean **onSingleTapConfirmed** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent e)
- boolean **onDoubleTapEvent** (MotionEvent e)
- boolean **onDown** (MotionEvent e)
- void **onShowPress** (MotionEvent e)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onScroll** (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void **onLongPress** (MotionEvent e)
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onCreateOptionsMenu** (Menu menu)
- boolean **onOptionsItemSelected** (MenuItem item)

Protected Member Functions

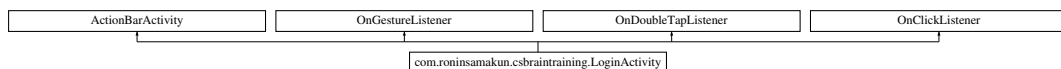
- void **onCreate** (Bundle savedInstanceState)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/GameActivity.java

9.6 com.roninsamakun.csbraintraining.LoginActivity Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.LoginActivity:



Public Member Functions

- void **onClick** (View v)
- boolean **onTouchEvent** (MotionEvent event)
- boolean **onSingleTapConfirmed** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent e)
- boolean **onDoubleTapEvent** (MotionEvent e)
- boolean **onDown** (MotionEvent e)
- void **onShowPress** (MotionEvent e)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onScroll** (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void **onLongPress** (MotionEvent e)
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onCreateOptionsMenu** (Menu menu)
- boolean **onOptionsItemSelected** (MenuItem item)

Protected Member Functions

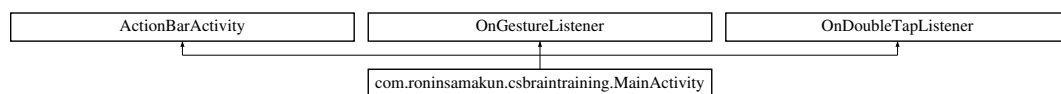
- void **onCreate** (Bundle savedInstanceState)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/LoginActivity.java

9.7 com.roninsamakun.csbraintraining.MainActivity Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.MainActivity:



Public Member Functions

- boolean **onTouchEvent** (MotionEvent event)
- boolean **onSingleTapConfirmed** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent e)
- boolean **onDoubleTapEvent** (MotionEvent e)
- boolean **onDown** (MotionEvent e)
- void **onShowPress** (MotionEvent e)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onScroll** (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void **onLongPress** (MotionEvent e)
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onCreateOptionsMenu** (Menu menu)
- boolean **onOptionsItemSelected** (MenuItem item)

Protected Member Functions

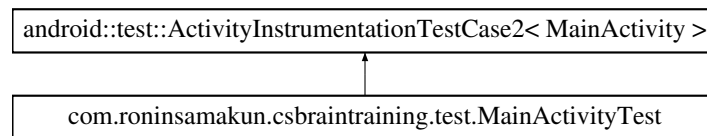
- void **onCreate** (Bundle savedInstanceState)
- void **onStart** ()
- void **onResume** ()
- void **onPause** ()
- void **onStop** ()
- void **onRestart** ()
- void **onDestroy** ()
- void **onSaveInstanceState** (Bundle outState)
- void **onRestoreInstanceState** (Bundle savedInstanceState)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/MainActivity.java

9.8 com.roninsamakun.csbraintraining.test.MainActivityTest Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.test.MainActivityTest:



Public Member Functions

- void **testTextViewNotNull** ()

Protected Member Functions

- void **setUp** () throws Exception

9.8.1 Detailed Description

Created by Casey C on 4/2/2015.

The documentation for this class was generated from the following file:

- app/src/androidTest/java/com/roninsamakun/csbraintraining/test/MainActivityTest.java

9.9 com.roninsamakun.csbraintraining.MainInterface Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.MainInterface:



Public Member Functions

- void **onClick** (View v)
- boolean **onTouchEvent** (MotionEvent event)
- boolean **onSingleTapConfirmed** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent e)
- boolean **onDoubleTapEvent** (MotionEvent e)
- boolean **onDown** (MotionEvent e)
- void **onShowPress** (MotionEvent e)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onScroll** (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void **onLongPress** (MotionEvent e)
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onCreateOptionsMenu** (Menu menu)
- boolean **onOptionsItemSelected** (MenuItem item)

Protected Member Functions

- void **onCreate** (Bundle savedInstanceState)
- void **onStart** ()

9.9.1 Member Function Documentation

9.9.1.1 void com.roninsamakun.csbraintraining.MainInterface.onClick (View v)

This method controls what happens depending on what gets clicked

Parameters

v	It is the view that controls action based on what button is clicked
---	---

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/MainInterface.java

9.10 com.facebook.android.R Class Reference

Classes

- class **attr**
- class **color**
- class **dimen**
- class **drawable**
- class **id**
- class **layout**
- class **string**
- class **style**
- class **styleable**

The documentation for this class was generated from the following file:

- app/build/generated/source/r/debug/com/facebook/android/R.java

9.11 com.roninsamakun.csbraintraining.R Class Reference

Classes

- class **anim**
- class **attr**
- class **bool**
- class **color**
- class **dimen**
- class **drawable**
- class **id**
- class **integer**
- class **layout**
- class **menu**
- class **string**
- class **style**

- class **styleable**

The documentation for this class was generated from the following file:

- app/build/generated/source/r/debug/com/roninsamakun/csbraintraining/R.java

9.12 android.support.v7.appcompat.R Class Reference

Classes

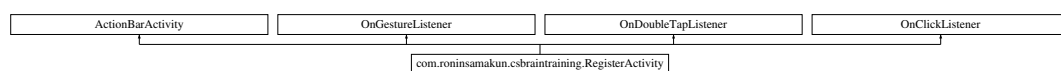
- class **anim**
- class **attr**
- class **bool**
- class **color**
- class **dimen**
- class **drawable**
- class **id**
- class **integer**
- class **layout**
- class **string**
- class **style**
- class **styleable**

The documentation for this class was generated from the following file:

- app/build/generated/source/r/debug/android/support/v7/appcompat/R.java

9.13 com.roninsamakun.csbraintraining.RegisterActivity Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.RegisterActivity:



Public Member Functions

- void **onClick** (View v)
- boolean **onTouchEvent** (MotionEvent event)
- boolean **onSingleTapConfirmed** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent e)
- boolean **onDoubleTapEvent** (MotionEvent e)
- boolean **onDown** (MotionEvent e)
- void **onShowPress** (MotionEvent e)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onScroll** (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void **onLongPress** (MotionEvent e)
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onCreateOptionsMenu** (Menu menu)
- boolean **onOptionsItemSelected** (MenuItem item)

Protected Member Functions

- void **onCreate** (Bundle savedInstanceState)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/RegisterActivity.java

9.14 com.roninsamakun.csbraintraining.ServerRequests Class Reference

Classes

- class **fetchUserDataAsyncTask**
- class **StoreUserDataAsyncTask**

Public Member Functions

- **ServerRequests** (Context context)
- void **storeUserDataInBackground** (**User** user, GetUserCallback userCallBack)
- void **fetchUserDataAsyncTask** (**User** user, GetUserCallback userCallBack)

Static Public Attributes

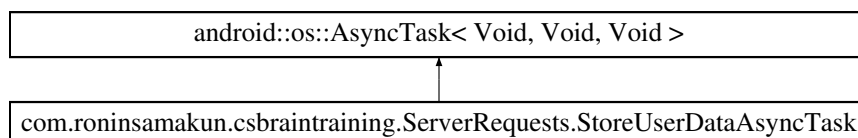
- static final int **CONNECTION_TIMEOUT** = 1000 * 15
- static final String **SERVER_ADDRESS** = "http://redruby67.host22.com/"

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/ServerRequests.java

9.15 com.roninsamakun.csbraintraining.ServerRequests.StoreUserDataAsyncTask Class Reference

Inheritance diagram for com.roninsamakun.csbraintraining.ServerRequests.StoreUserDataAsyncTask:



Public Member Functions

- **StoreUserDataAsyncTask** (**User** user, GetUserCallback userCallBack)

Protected Member Functions

- Void **doInBackground** (Void...params)
- void **onPostExecute** (Void result)

9.15.1 Detailed Description

parameter sent to task upon execution progress published during background computation result of the background computation

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/ServerRequests.java

9.16 com.roninsamakun.csbraintraining.User Class Reference

Public Member Functions

- **User** (String user_name, String email, String password, int age)
- **User** (String user_name, String password)

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/User.java

9.17 com.roninsamakun.csbraintraining.UserLocalStore Class Reference

Public Member Functions

- **UserLocalStore** (Context context)
- void **storeUserData** (**User** user)
- **User** **getLoggedInUser** ()
- void **setUserLoggedIn** (boolean loggedIn)
- boolean **getUserLoggedIn** ()
- void **clearUserData** ()

Static Public Attributes

- static final String **SP_NAME** = "userDetails"

The documentation for this class was generated from the following file:

- app/src/main/java/com/roninsamakun/csbraintraining/UserLocalStore.java

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