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# Chapter 1

## Namespace Index

### 1.1 Packages

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

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## Chapter 2

# Hierarchical Index

### 2.1 Class Hierarchy

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## Chapter 3

# Class Index

### 3.1 Class List

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<a href="#">com.example.harrispaul.aggregator.Checkbox</a>	10
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<a href="#">com.example.harrispaul.aggregator.ImageId</a>	15
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<a href="#">com.example.harrispaul.aggregator.SingleProductCustomBaseAdapter</a>	23



## Chapter 4

# Namespace Documentation

### 4.1 Package com.example.harris paul.aggregator

#### Packages

- package [test](#)

#### Classes

- class [BuildConfig](#)
- class [R](#)
- class [ApplicationTest](#)
- class [Checkbox](#)
- class [CheckBoxAdapter](#)
- class [Deals](#)
- class [DealsCustomAdapter](#)
- class **DownloadImageTask**
- class [FlyInMenu](#)
- class [Help](#)
- class [ImageId](#)
- class [ItemContent](#)
- class [LoadImage](#)
- class [MainActivity](#)
- class [MyCustomBaseAdapter](#)
- class [MyItem](#)
- class [MyItemAdapter](#)
- class [OpenApp](#)
- class [ProductContent](#)
- class [SingleProductCustomBaseAdapter](#)
- class [ExampleUnitTest](#)

#### 4.1.1 Detailed Description

Automatically generated file. DO NOT MODIFY

## 4.2 Package com.example.harrispaul.aggregator.test

### Classes

- class [BuildConfig](#)

### 4.2.1 Detailed Description

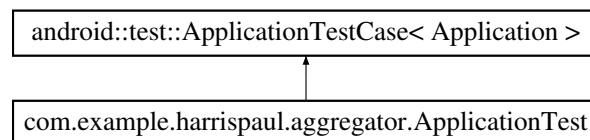
Automatically generated file. DO NOT MODIFY

## Chapter 5

# Class Documentation

### 5.1 com.example.harrispaul.aggregator.ApplicationTest Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.ApplicationTest:



#### 5.1.1 Detailed Description

##### Testing Fundamentals

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

- app/src/androidTest/java/com/example/harrispaul/aggregator/ApplicationTest.java

### 5.2 com.example.harrispaul.aggregator.BuildConfig Class Reference

#### Static Public Attributes

- static final boolean **DEBUG** = Boolean.parseBoolean("true")
- static final String **APPLICATION\_ID** = "com.example.harrispaul.aggregator"
- 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/example/harrispaul/aggregator/BuildConfig.java

### 5.3 com.example.harrispaul.aggregator.test.BuildConfig Class Reference

## Static Public Attributes

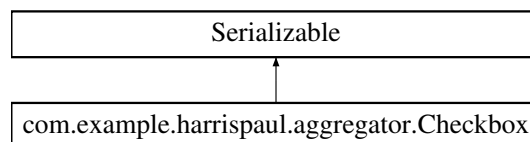
- static final boolean **DEBUG** = Boolean.parseBoolean("true")
- static final String **APPLICATION\_ID** = "com.example.harrispaul.aggregator.test"
- static final String **BUILD\_TYPE** = "debug"
- static final String **FLAVOR** = ""
- static final int **VERSION\_CODE** = 1
- static final String **VERSION\_NAME** = "1.0"

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

- app/build/generated/source/buildConfig/androidTest/debug/com/example/harrispaul/aggregator/test/Build-Config.java

## 5.4 com.example.harrispaul.aggregator.Checkbox Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.Checkbox:



## Public Member Functions

- void **setName** (String id)
- String **getName** ()
- void **setToggle** (Integer id)
- Integer **getToggle** ()

### 5.4.1 Detailed Description

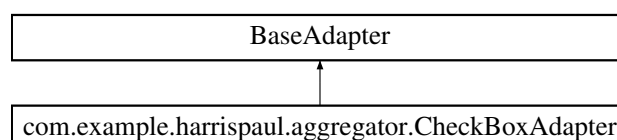
Created by Azhar on 4/19/2016. This class creates the checkboxes required for the filtering function

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

- app/src/main/java/com/example/harrispaul/aggregator/Checkbox.java

## 5.5 com.example.harrispaul.aggregator.CheckBoxAdapter Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.CheckBoxAdapter:



## Classes

- class **ViewHolder**



## Public Member Functions

- **CheckBoxAdapter** (Context context, ArrayList< [Checkbox](#) > results)
- int **getCount** ()
- Object **getItem** (int position)
- long **getItemId** (int position)
- View **getView** (int position, View convertView, ViewGroup parent)

### 5.5.1 Detailed Description

Created by Azhar on 4/19/2016. This class creates the checkbox Adapter required for the list of brands filter in the filtering function

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

- app/src/main/java/com/example/harrispaul/aggregator/CheckBoxAdapter.java

## 5.6 com.example.harrispaul.aggregator.Deals.DataFetcher Interface Reference

### Public Member Functions

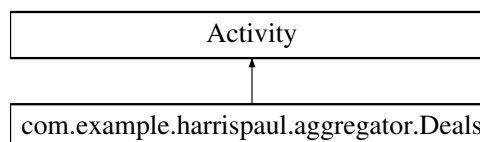
- Call< [MyItem](#) > **getData** ()

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

- app/src/main/java/com/example/harrispaul/aggregator/Deals.java

## 5.7 com.example.harrispaul.aggregator.Deals Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.Deals:



## Classes

- interface [DataFetcher](#)

### Public Member Functions

- void [dealIntent](#) (View v)
- void [HomeIntent](#) (View v)
- void [HelpIntent](#) (View v)

### Protected Member Functions

- void [onCreate](#) (Bundle savedInstanceState)

### 5.7.1 Detailed Description

Created by HarrisPaul on 3/30/2016. This class renders the deals. This class makes use of "Retrofit", a HTTP Client for making requests to the server and parsing the returned json objects

### 5.7.2 Member Function Documentation

#### 5.7.2.1 void com.example.harrisPaul.aggregator.Deals.dealIntent ( View v )

Action to be taken when deals tab is invoked from the deals tab

#### 5.7.2.2 void com.example.harrisPaul.aggregator.Deals.HelpIntent ( View v )

Action to be taken when help button is invoked from the deals tab

#### 5.7.2.3 void com.example.harrisPaul.aggregator.Deals.HomeIntent ( View v )

Action to be taken when home button is invoked from the deals tab

#### 5.7.2.4 void com.example.harrisPaul.aggregator.Deals.onCreate ( Bundle savedInstanceState ) [protected]

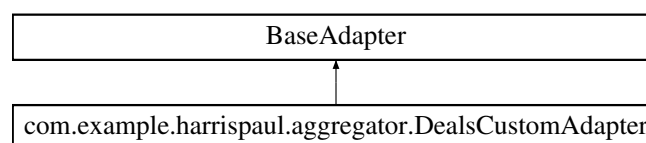
Action to be taken when product is searched from the deals tab

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

- app/src/main/java/com/example/harrisPaul/aggregator/Deals.java

## 5.8 com.example.harrisPaul.aggregator.DealsCustomAdapter Class Reference

Inheritance diagram for com.example.harrisPaul.aggregator.DealsCustomAdapter:



### Classes

- class **ViewHolder**

### Public Member Functions

- **DealsCustomAdapter** (Context context, ArrayList< [ItemContent](#) > results)
- int **getCount** ()
- Object **getItem** (int position)
- long **getItemId** (int position)
- View **getView** (int position, View convertView, ViewGroup parent)

## Public Attributes

- ImageView **img**

### 5.8.1 Detailed Description

Created by Harrispaul on 4/4/2016. This class renders the deals. This class makes use of "Retrofit", a HTTP Client for making requests to the server and parsing the returned json objects

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

- app/src/main/java/com/example/harrispaul/aggregator/DealsCustomAdapter.java

## 5.9 com.example.harrispaul.aggregator.ExampleUnitTest Class Reference

### Public Member Functions

- void **addition\_isCorrect** () throws Exception

### 5.9.1 Detailed Description

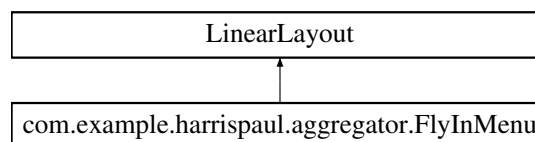
To work on unit tests, switch the Test Artifact in the Build Variants view.

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

- app/src/test/java/com/example/harrispaul/aggregator/ExampleUnitTest.java

## 5.10 com.example.harrispaul.aggregator.FlyInMenu Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.FlyInMenu:



## Classes

- enum [MenuState](#)

### Public Member Functions

- **FlyInMenu** (Context context, AttributeSet attrs, int defStyle)
- **FlyInMenu** (Context context, AttributeSet attrs)
- **FlyInMenu** (Context context)
- void **toggleMenu** ()

### Protected Member Functions

- void **onAttachedToWindow** ()
- void **onLayout** (boolean changed, int left, int top, int right, int bottom)

## Protected Attributes

- int **currentContentOffset** = 0
- [MenuState](#) **menuCurrentState** = MenuState.CLOSED

## Static Protected Attributes

- static final int **menuMargin** = 150

### 5.10.1 Detailed Description

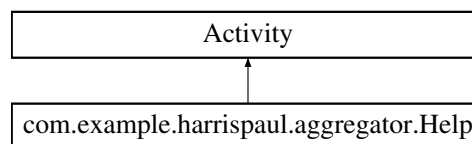
Created by Harris paul on 4/18/2016. This class renders the flyin menu to all the tabs/intents that include it.

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

- app/src/main/java/com/example/harris paul/aggregator/FlyInMenu.java

## 5.11 com.example.harris paul.aggregator.Help Class Reference

Inheritance diagram for com.example.harris paul.aggregator.Help:



## Public Member Functions

- void [dealIntent](#) (View v)
- void [HomeIntent](#) (View v)
- void [HelpIntent](#) (View v)

## Protected Member Functions

- void **onCreate** (Bundle savedInstanceState)

### 5.11.1 Detailed Description

Created by Harris paul on 4/19/2016. This class renders the [Help](#) tab.

### 5.11.2 Member Function Documentation

#### 5.11.2.1 void com.example.harris paul.aggregator.Help.dealIntent ( View v )

Action to be taken when the deals tab is invoked from the help tab

#### 5.11.2.2 void com.example.harris paul.aggregator.Help.HelpIntent ( View v )

Action to be taken when the help tab is invoked from the help tab

### 5.11.2.3 void com.example.harrispaul.aggregator.Help.HomeIntent ( View v )

Action to be taken when the home tab is invoked from the help tab

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

- app/src/main/java/com/example/harrispaul/aggregator/Help.java

## 5.12 com.example.harrispaul.aggregator.Imageld Class Reference

### Public Member Functions

- **Imageld** (Bitmap bm, String id)
- String **getId** ()
- Bitmap **getBm** ()

### 5.12.1 Detailed Description

Created by Harrispaul on 4/4/2016.

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

- app/src/main/java/com/example/harrispaul/aggregator/Imageld.java

## 5.13 com.example.harrispaul.aggregator.MyItem.ImageLink Class Reference

### Public Member Functions

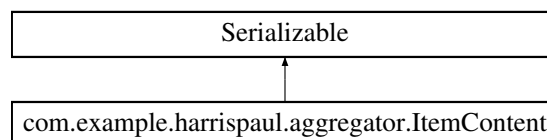
- String **getUrl** ()

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

- app/src/main/java/com/example/harrispaul/aggregator/MyItem.java

## 5.14 com.example.harrispaul.aggregator.ItemContent Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.ItemContent:



### Public Member Functions

- void **setBrand** (String id)
- String **getBrand** ()
- void **setId** (String id)
- String **getId** ()

- void **setSellingPrice** (String price)
- String **getSellingPrice** ()
- void **setMaxPrice** (String price)
- String **getmaxPrice** ()
- void **setTitle** (String title)
- String **getTitle** ()
- void **setImgid** (String imgid)
- String **getImgid** ()
- void **setDescription** (String description)
- String **getDescription** ()

#### 5.14.1 Detailed Description

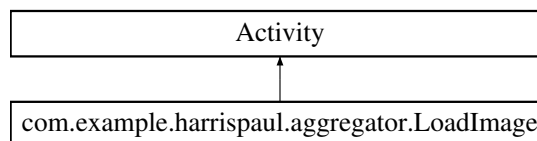
Created by Harris paul on 3/25/2016. This class is used to set the variables in the products array and their attributes accordingly.

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

- app/src/main/java/com/example/harris paul/aggregator/ItemContent.java

### 5.15 com.example.harris paul.aggregator.LoadImage Class Reference

Inheritance diagram for com.example.harris paul.aggregator.LoadImage:



#### Protected Member Functions

- void **onCreate** (Bundle savedInstanceState)

#### 5.15.1 Detailed Description

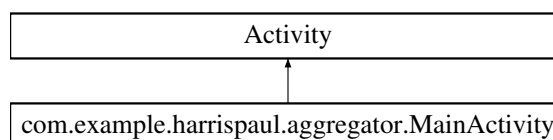
Created by Harris paul on 3/25/2016. This class is used to load the images into their appropriate fields based on their id's

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

- app/src/main/java/com/example/harris paul/aggregator/LoadImage.java

### 5.16 com.example.harris paul.aggregator.MainActivity Class Reference

Inheritance diagram for com.example.harris paul.aggregator.MainActivity:



## Public Member Functions

- void [dealIntent](#) (View v)
- void [HomeIntent](#) (View v)
- void [HelpIntent](#) (View v)
- void **checkboxToggled** (View v)

## Static Public Attributes

- static Comparator< [ItemContent](#) > [StringAscComparator](#)
- static Comparator< [ItemContent](#) > [StringDescComparator](#)

## Protected Member Functions

- void [onCreate](#) (Bundle savedInstanceState)

### 5.16.1 Detailed Description

Created by Harrispaul on 3/14/2016. The main activity that appears on the home page. All the views, classes and fragments are initiated / called from this class

### 5.16.2 Member Function Documentation

#### 5.16.2.1 void com.example.harrispaul.aggregator.MainActivity.dealIntent ( View v )

Action to be taken on deal button invoking when in the Main activity

#### 5.16.2.2 void com.example.harrispaul.aggregator.MainActivity.HelpIntent ( View v )

Action to be taken on [Help](#) button invoking when in the Main activity

#### 5.16.2.3 void com.example.harrispaul.aggregator.MainActivity.HomeIntent ( View v )

Action to be taken on Home button invoking when in the Main activity

#### 5.16.2.4 void com.example.harrispaul.aggregator.MainActivity.onCreate ( Bundle *savedInstanceState* ) [protected]

The attributes for the fly in menu are set in here Store search query input by the user using this class

An Async task running in the background that fetches the product details from flipkart server

Detect the product that the user selects and call an intent that fetches the details of that product from all the servers.

### 5.16.3 Member Data Documentation

#### 5.16.3.1 Comparator<ItemContent> com.example.harrispaul.aggregator.MainActivity.StringAscComparator [static]

**Initial value:**

```
= new Comparator<ItemContent>() {
    public int compare(ItemContent app1, ItemContent app2) {
```

```

        float price1 = Float.parseFloat(app1.getSellingPrice());
        float price2 = Float.parseFloat(app2.getSellingPrice());
        if(price1 > price2){
            return 1;
        } else {
            return -1;
        }
    }
}

```

Get the Max price from the list of products

#### 5.16.3.2 `Comparator<ItemContent> com.example.harrispaul.aggregator.MainActivity.StringDescComparator` [static]

**Initial value:**

```

= new Comparator<ItemContent>() {
    public int compare(ItemContent app1, ItemContent app2) {
        float price1 = Float.parseFloat(app1.getSellingPrice());
        float price2 = Float.parseFloat(app2.getSellingPrice());
        if (price2 > price1) {
            return 1;
        } else {
            return -1;
        }
    }
}

```

Get the Min price from the list of products

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

- `app/src/main/java/com/example/harrispaul/aggregator/MainActivity.java`

## 5.17 `com.example.harrispaul.aggregator.FlyInMenu.MenuState` Enum Reference

**Public Attributes**

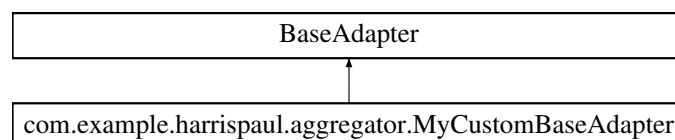
- **CLOSED**
- **OPEN**

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

- `app/src/main/java/com/example/harrispaul/aggregator/FlyInMenu.java`

## 5.18 `com.example.harrispaul.aggregator.MyCustomBaseAdapter` Class Reference

Inheritance diagram for `com.example.harrispaul.aggregator.MyCustomBaseAdapter`:





## Classes

- class **ViewHolder**

## Public Member Functions

- **MyCustomBaseAdapter** (Context context, ArrayList< [ItemContent](#) > results)
- int **getCount** ()
- Object **getItem** (int position)
- long **getItemId** (int position)
- View **getView** (int position, View convertView, ViewGroup parent)

## Public Attributes

- ImageView **img**

### 5.18.1 Detailed Description

Created by Harrispaul on 3/25/2016.

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

- app/src/main/java/com/example/harrispaul/aggregator/MyCustomBaseAdapter.java

## 5.19 com.example.harrispaul.aggregator.MyItem Class Reference

## Classes

- class [ImageLink](#)

## Public Member Functions

- ArrayList< [ImageLink](#) > **getImageUrls** ()
- ArrayList< [MyItem](#) > **getItemList** ()
- String **getDescription** ()
- String **getTitle** ()
- String **getUrl** ()

### 5.19.1 Detailed Description

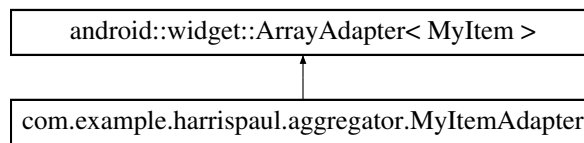
Created by Azhar on 21/4/16. Class for the retrofit adapter element

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

- app/src/main/java/com/example/harrispaul/aggregator/MyItem.java

## 5.20 com.example.harrispaul.aggregator.MyItemAdapter Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.MyItemAdapter:



### Public Member Functions

- **MyItemAdapter** (Activity context, List< [MyItem](#) > items)
- View **getView** (int position, View convertView, ViewGroup parent)

#### 5.20.1 Detailed Description

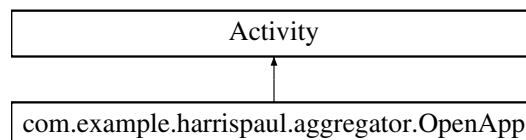
Created by Azhar on 22/4/16. The retrofit array adapter class

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

- app/src/main/java/com/example/harrispaul/aggregator/MyItemAdapter.java

## 5.21 com.example.harrispaul.aggregator.OpenApp Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.OpenApp:



### Public Member Functions

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

#### 5.21.1 Detailed Description

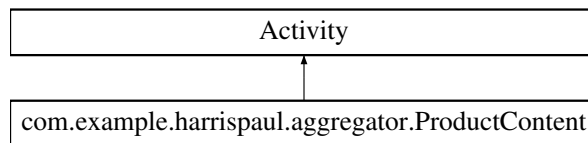
Created by Harrispaul on 3/14/2016. The class that runs first when the app opens and it renders the splash screen

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

- app/src/main/java/com/example/harrispaul/aggregator/OpenApp.java

## 5.22 com.example.harrispaul.aggregator.ProductContent Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.ProductContent:



### Public Member Functions

- void **HomeIntent** (View v)
- void **deallIntent** (View v)
- void **HelpIntent** (View v)

### Protected Member Functions

- void **onCreate** (Bundle savedInstanceState)

#### 5.22.1 Detailed Description

Created by Harrispaul on 3/28/2016. The class that renders the 4 products from each of the sites and shows a comparison

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

- app/src/main/java/com/example/harrispaul/aggregator/ProductContent.java

## 5.23 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

## 5.24 com.example.harrispaul.aggregator.R Class Reference

### Classes

- class **anim**

- class **array**
- class **attr**
- class **bool**
- class **color**
- class **dimen**
- class **drawable**
- class **id**
- class **integer**
- class **layout**
- class **menu**
- class **mipmap**
- class **string**
- class **style**
- class **styleable**

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

- `app/build/generated/source/r/debug/com/example/harrispaul/aggregator/R.java`

## 5.25 android.support.design.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/design/R.java`

## 5.26 android.support.v7.recyclerview.R Class Reference

### Classes

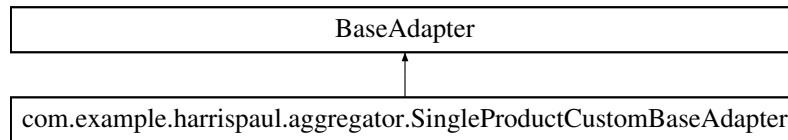
- class **attr**
- class **dimen**
- class **id**
- class **styleable**

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

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

## 5.27 com.example.harrispaul.aggregator.SingleProductCustomBaseAdapter Class Reference

Inheritance diagram for com.example.harrispaul.aggregator.SingleProductCustomBaseAdapter:



### Classes

- class **ViewHolder**

### Public Member Functions

- **SingleProductCustomBaseAdapter** (Context context, ArrayList< [ItemContent](#) > results)
- int **getCount** ()
- Object **getItem** (int position)
- long **getItemId** (int position)
- View **getView** (int position, View convertView, ViewGroup parent)

### Public Attributes

- ImageView **img**

#### 5.27.1 Detailed Description

Created by Harrispaul on 3/30/2016. The class that renders each of the 4 products from each of the sites and that shows a comparison

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

- app/src/main/java/com/example/harrispaul/aggregator/SingleProductCustomBaseAdapter.java

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