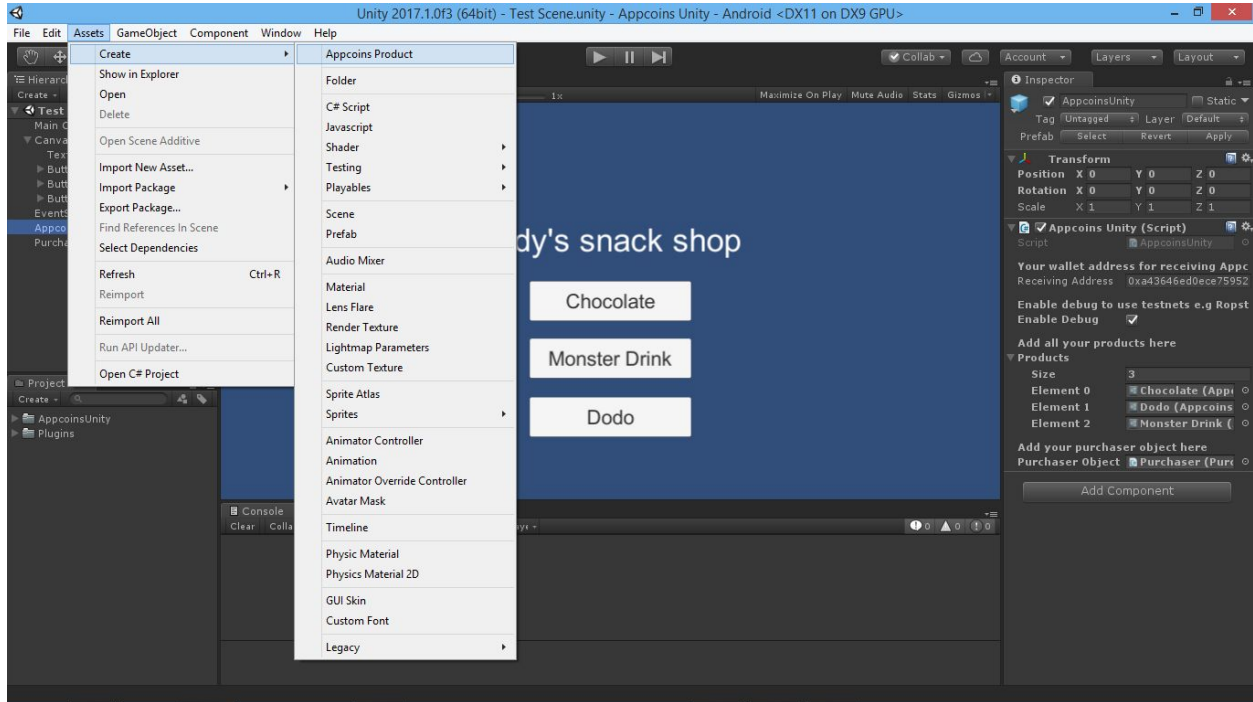


Appcoins Unity Plugin

Note: this is an unofficial unity plugin for appcoins in-app billing

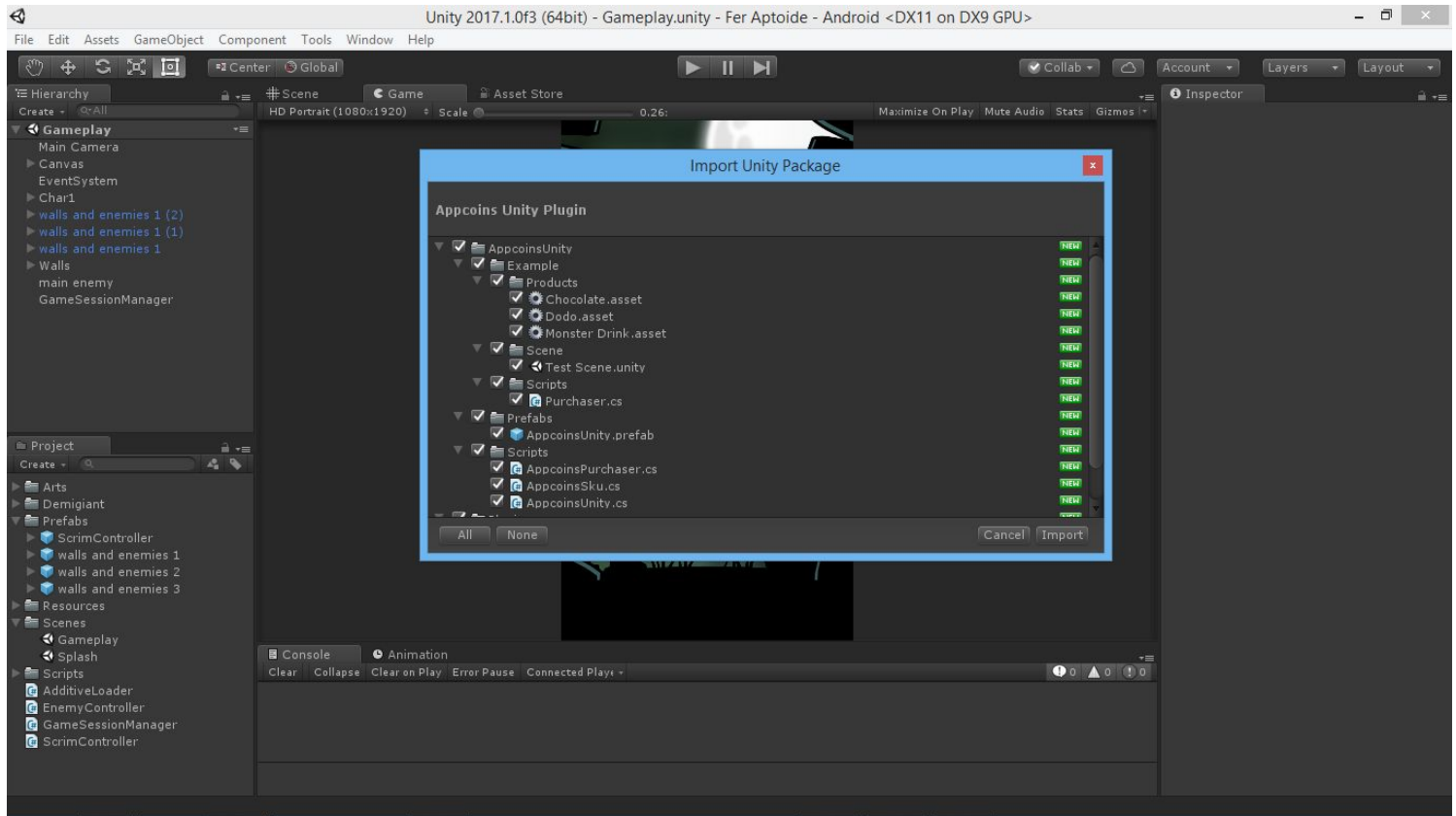


About Appcoins Unity Plugin

This plugin is developed from an excerpt of the Super Crossbar Challenge game. We thought it would be of great help if we can help other unity developers who would be integrating the Appcoins In-App Billing into their game save precious time by providing our solution as a plugin. Note that there is no restriction to what you can do with the plugin.

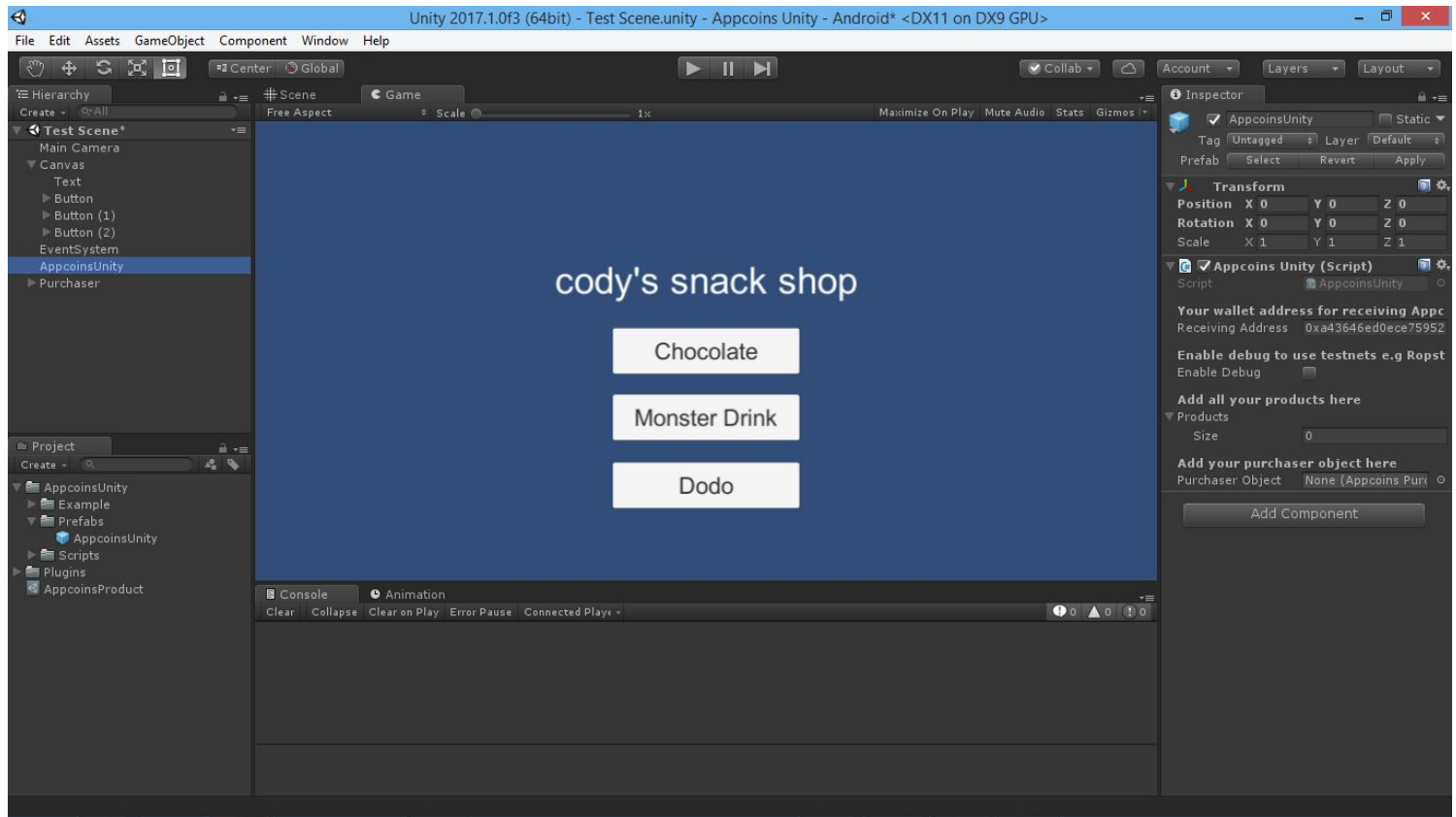
Integrating plugin in your game

1. Download the plugin package from the unity assets store or [github repository](#) and open the package in your unity project, make sure to import everything in the unitypackage.



2. From the Assets/AppcoinsUnity/Prefabs folder drag and drop the AppcoinsUnity prefab into your scene or hierarchy window.

Note: do not change the name of the AppcoinsUnity prefab.



3. In the inspector window where you have receiving address change the text to your appcoins wallet address where you would like to receive your appcoins.

4. check the enable debug checkbox If you would like to be able to use testnets like Ropsten for testing your Appcoins in-app billing integration.

Note: Uncheck this in production to avoid testnet purchases.

5. Now you need to create in-app products.

To create an AppcoinsProduct click Assets/Create/Appcoins Product and fill in the product info. Create as many as your in app products.



6. Drag and drop all the product you created to the field on the AppcoinsUnity gameobject where you have products.

Note: in the image below i created and added 3 products Chocolate, Dodo and Monster Drink



7. Now lets create our purchaser class in Unity C# by inheriting from the AppcoinsPurchaser Class.

```
//add this namespace to your script to give you access to the plugin classes.
using Codeberg.AppcoinsUnity;

public class Purchaser : AppcoinsPurchaser {

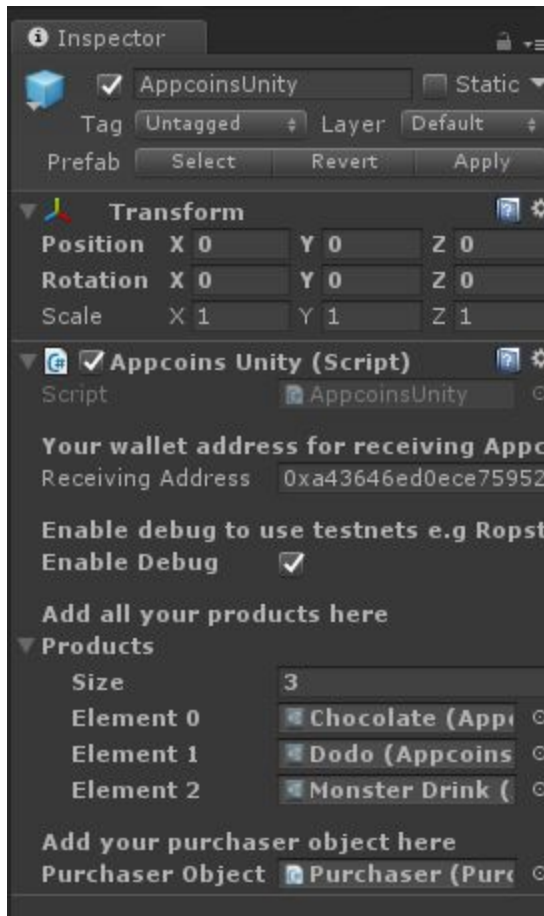
    //method get called on successful purchases
    public override void purchaseSuccess (string skuid)
    {
        base.purchaseSuccess (skuid);
        //purchase is successful release the product
    }
    //method get called on failed purchases
    public override void purchaseFailure (string skuid)
    {
        base.purchaseFailure (skuid);
        //purchase failed perhaps show some error message
    }

    //example methods to initiate a purchase flow
    //the string parameter of the makePurchase method is the skuid you specified in the inspector for
    //each product
    public void buyDodo(){
        makePurchase ("dodo");
    }

    public void buyMonster(){
        makePurchase ("monster");
    }

    public void buyChocolate(){
        makePurchase ("chocolate");
    }
}
```

8. Now create an object in your scene and add the purchaser script you created to it. Now drag and drop the purchaser object to the slot where you have the Purchaser Object on the AppcoinsUnity prefab you added to your scene earlier.



9. Now we need to build the project. The appcoins sdk which this plugin depends on has many dependencies which causes lots of issues when you try to build it using the unity default build system or unity gradle but luckily unity allows us to export to android studio. Do not panic this is very simple. Goto your build settings in unity, change the build system to Gradle(New), check the export project checkbox and click export at the bottom of the build settings window.



10. After the project has finished exporting, we can import into Android Studio, open android studio and import project File/New/Import Project then locate the exported project folder.

Note: Use Android Studio 3.0+ and set project min sdk in the android manifest file to 21

11. Open the project's gradle script and add or change this lines

Unity uses an older version of gradle so change to 3.0.0 or higher

```
buildscript {
    ...

dependencies {
    classpath 'com.android.tools.build:gradle:3.0.0'
}
}

allprojects {
    repositories {
        google()
        jcenter()
        maven { url "https://dl.bintray.com/asf/asf" }
        flatDir {
            dirs 'libs'
        }
    }
}

dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    api 'com.asfoundation:appcoins:0.2.3a'
    compile(name: 'appcoinsunity-release', ext:'aar')
}

android {
    ...

    defaultConfig {
        multiDexEnabled true
    }
    dexOptions {
        javaMaxHeapSize "2g"
    }

    compileOptions {
        sourceCompatibility 1.8
        targetCompatibility 1.8
    }
}
```

12. Open the UnityPlayerActivity java class from the src folder and add or change the code below.

```
@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    UnityAppcoins.instance.onActivityResult(requestCode, resultCode, data);
}
```

Congratulations! now sync gradle project, Rebuild project and build APK.