

# Cartoon GUI Pack

Cartoon GUI Pack is a customizable, mobile-friendly game UI pack containing many elements that can be used to create a complete game with a cartoon look. While the sprites themselves do not depend on any specific Unity version, the accompanying demo project requires Unity 5.0.0 or higher.

## Asset structure

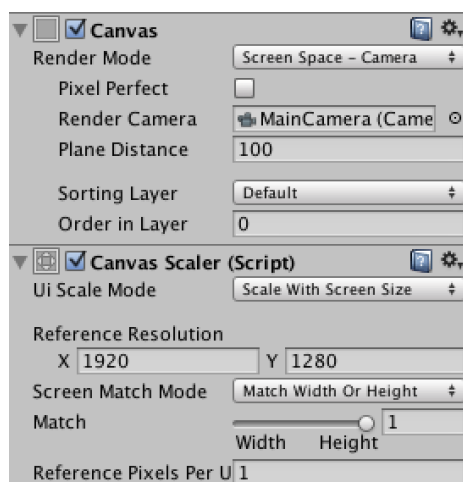
After importing the asset package into your Unity project, you will see all the resources provided live in the GUIPackCartoon folder. This folder is further subdivided into the following subfolders:

- Sprites: Contains the .psd files and exported .png files of all the graphics contained in this pack.
- Demo: Contains all the assets of an example project that makes use of all the sprites included the pack via Unity's UI system. Please note the demo and its accompanying source code are only intended as an example showcasing what you can build with this game UI pack. Feel free to use it as a starting point and extend it as you see fit for your own game!
- Screenshots: Contains the .psd files for the asset screenshots, which are useful as a reference.
- Documentation: Contains the documentation of this pack.

## Some notes regarding the demo project

This game UI pack contains a complete demo project with full C# source code that you can use as a starting point for your own game. While the source code is not intended to be a universal framework, it can be a very useful reference when it comes to learning how to approach the implementation of a game UI using Unity's built-in UI system.

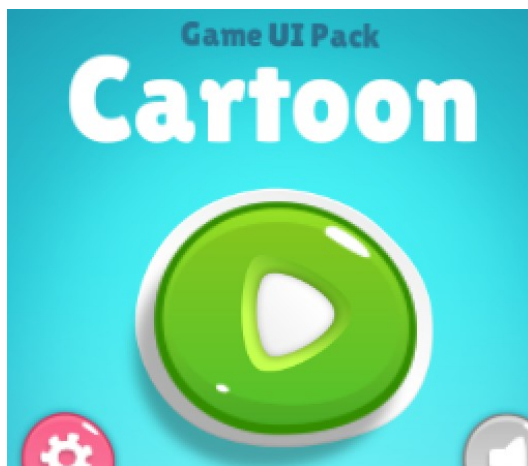
All the scenes in the demo project make use of Unity's Canvas to display their contents. The Canvas render mode is set to *Screen Space - Camera* and the canvas scaler is set to *Scale With Screen Size* UI scale mode. This, together with extensive use of anchors when positioning UI elements, makes it possible to automatically scale the UI across multiple resolutions (please note we have optimized the demo for panoramic aspect ratios). You can find more details about how this works in the official Unity documentation: <http://docs.unity3d.com/es/current/Manual/HOWTO-UIMultiResolution.html>.



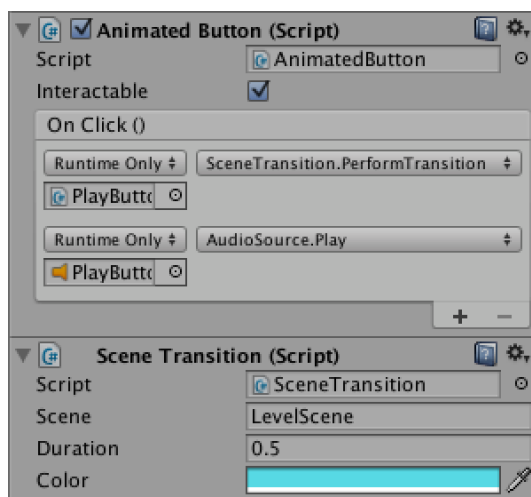
Note that we are using a reference resolution of 1920x1280, which works well across a wide range of aspect ratios. This is particularly useful for mobile development, where screen sizes vary wildly between devices.

The demo project makes extensive use of Unity built-in UI features, but also provides some useful extensions. Two of the most notable ones are the *SceneTransition* component and the *PopupOpener* component.

The *SceneTransition* component provides functionality to transition from one scene to another. Using it is very simple. Consider the following example, where we have a *Play* button in the home scene that should transition to the levels scene when clicked:



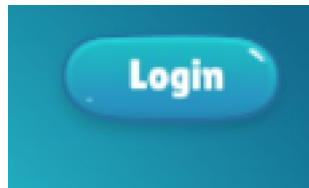
We only need to add a *SceneTransition* component to the *PlayButton* game object.



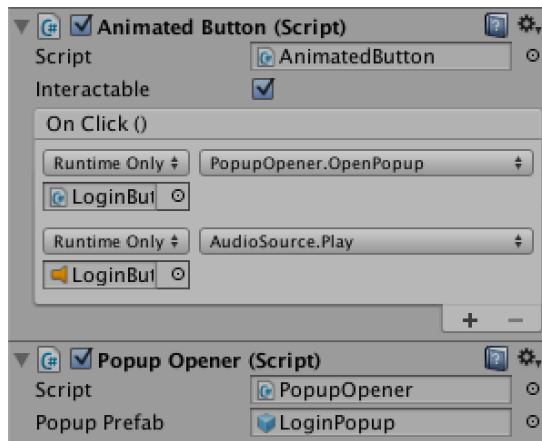
The *SceneTransition* component carries out the logic needed to smoothly fade out from the current scene into the new one. You can specify the destination scene name and the duration and color of the transition.

Note how the very same *PlayButton* calls the *SceneTransition*'s *PerformTransition* method in order to start the transition when clicked. You can make this call in code, too.

The *PopupOpener* component provides functionality to open a popup and darkening the background behind it. Using it is, again, very simple. Consider the following example, where we have a *Login* button in the home scene that should open a login popup when clicked:



We only need to add a *PopupOpener* component to the *LoginButton* game object.



The *PopupOpener* component carries out the logic needed to open a popup in the current scene. You need to specify the popup prefab to open (a game object that contains a *Popup* component).

Note how the very same *LoginButton* calls the *PopupOpener's* *OpenPopup* method in order to open the popup when clicked. You can make this call in code, too.

## Help

If you need help or have an idea for additional content you would like to be included in this pack, please write us to [support@ricimi.com](mailto:support@ricimi.com). We are always happy to help!