

INVENTORY COG

In-depth Tutorial Series:

https://www.youtube.com/watch?v=P6x02ldUI94&list=PLjKOAiXvjF-Vji1h y12gAWRbBE4hYjuo

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Introduction

Inventory Cog™ is a collection of components designed to make creating a full functioning inventory system with Unity quick and easy. This system provides support for equipping/storing, looting/dropping, repairs, breakdowns, upgrades, crafting, storing, and trading/merchants. There is also a host of UI and support elements to help you provide a robust experience to your users. All categories and items are instantiated per character and support multiple characters/players.

When combined with Stats Cog™ items can also directly affect your character's stats when equipped or consumed.

Equip Points



To place physical copies of weapons/armor on to your character(s) you will need to Equip Points to locations where you would like them to appear.

These points are visualized by Gizmos as spheres.

If the character is using an armature, make sure to create these equip points on the appropriate bone transform so it will move with the character during animations.

Equip Points are designed for non-skinned mesh objects.

Equip Point Id - String name

for the equip point. Strings are used to allow items to be easily swapped between characters

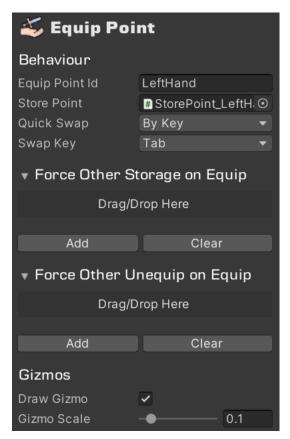
Store Point - Object reference to a <u>store point</u> on the same character, if supplied items will moved to this location when stored

Quick Swap - Method used for Quick Swap (By Button, By Key, Manual)

Swap Button - Button used for quick swap on this point

Swap Key - Key used for quick swap on this point **Force Other Storage on Equip** - List of equip points that should automatically store any equipped items when an item is equipped to this point **Force Other Unequip on Equip** - List of equip points that should automatically unequip any items they have when an item is equipped to this point.

Note on **Force Other** options: This exists for cases where you might have a 2-handed item or dual-wielding. Example a shield in the right hand needs to be stored or unequipped to put a 2-handed weapon in the left hand.



Skinned Equip Points

Skinned Equip Points are designed to handle replacing skinned mesh components on your character for things such as armor, hair, etc. Usually this will reside at the root of your armature and can be seen in the demo scenes. This component derives from Equip Point and so has all the same features, plus those found below.



Bone Source - Provides a bone source for mapping the replacement skinned mesh **Default Skin** - Original skinned mesh to deactivate while this item is equipped

Skinned Bone Remapper



If your new item does not share every bone named, the same and in the same order as on your armature you can add a Skinned Bone Remapper to the equippable object. Pressing "Automap" will grab the bones and populate them for you. You may do this manually as well if you desire. If you need to change names you can also do so here after mapping.

Note on skinned meshes: If you delete the armature (which is acceptable) on your item

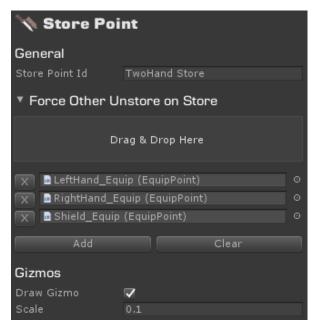
it will not render at design time, it will still show up at runtime when mapped.

Drag and Drop

Many of the custom editors support drag and drop. Anywhere you see this symbol means you can drag and drop items into the editor.

Store Points

Store points represent physical locations on your character to store items that were equipped but are not currently active. These are represented by Gizmos as cubes (see image in Equip Points for reference).

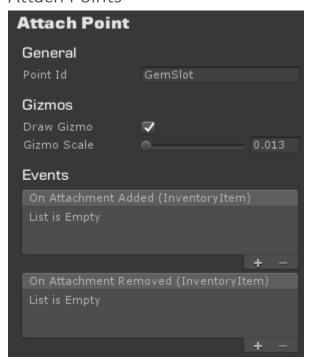


Store Point Id - String value used to reference this store point

Force Other Unstore on Store – List of Equip Points that should remove any items from their Store Point and restore them to an Equipped state.

Note on **Force Other** option: As with the force options in Equip Points this is designed to handle things such as two-handed weapons. In this example let's say there is a bow equipped with a sword and shield stored. When the bow is stored the sword and shield will automatically become equipped again.

Attach Points



Attach points serve to allow you to physically add one or more attachments to an object. Examples include a gemstone, scope, silencer, otc.

Point Id - String value used to reference this store point

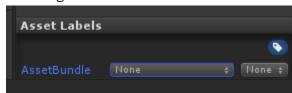
onAttachmentAdded - Raised when an attachment is added to the slot

onAttachmentRemoved - Raised when an attachment is removed from the slot.

DLC Support

Starting with version 1.10 Inventory Cog has full support for DLC (downloadable content). In order to setup DLC packages and use them in your game there are only a couple of steps you need to follow.

Creating an Asset Bundle



Items used specifically for Inventory Cog should be in a bundle separate from other DLC. You can assign any folder or item to a bundle by selecting the "Asset Labels" tab in the Inspector and creating or assigning a bundle to it.

To actually compile your Asset Bundle a tool has been included for your use. Simply create a new Game Object and add the DLC Bundler component.



Bundler Output - Path where the bundle will be created.

Bundle Options - Options used when creating the bundle (covered in Unity API)

Build Target - Target to use when building the bundle.

Retrieving your DLC

Once your bundle(s) have been created and uploaded you will need to download and consume them. Another simple component has been created for this. Somewhere prior to your first playable level create a new Game Object and add the Inventory DLC Updater component.



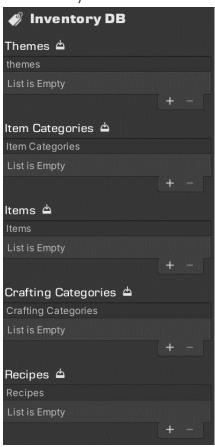
Target Platform - This is used to determine which platform the DLC is valid for. You can have multiple instances of the Inventory DLC Updater (one for each platform you support) and only the one set for the active platform will update.

Host - Top-level URL for accessing the bundle files **Bundle Files** - List of files to retrieve from the host **Include Manifest File** - If checked for each file specified the updater will also try and retrieve a ".manifest" file from the same location

Buffer Kb - Size of the download buffer in Kb **Progress** - Slider to use display update progress (optional)

onDLCUpdate - Fired each time data is readonDLCComplete - Fired when all updates are complete

Inventory DB



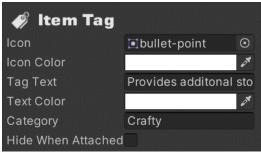
The Inventory DB is a top-level MonoBehaviour that keeps track of globally available items such as Categories (Items and Crafting), Recipes, and a global list of all items in your game.

To begin, create a new Empty GameObject in your scene and add the "Inventory DB" component. This component will mark your object as "DontDestoryOnLoad" and will follow from scene to scene. Feel free to put this object in multiple scenes for development as they will simply override each other.

As you go through creating your items, categories and recipes do not forget to add them to your Inventory DB. While items can be passed without placing them in the Inventory DB they will not appear globally and risks errors.

The items available for placing here are covered in detail in later sections of the documentation.

Item Tags



Item tags provide visual tags for Inventory Items and can be created by right-clicking in your "Project" pane and selecting Create/TOCK/Inventory/Item Tag. These tags can provide Icons and Text for an inventory item with unique colors being applied to each. (As of 2021.2f.0 this can also be done directly from the Inventory Coq editor).

Icon - Sprite to display in UI

Icon Color - Color to apply to Sprite in UI

Tag Text - Text to display in UI

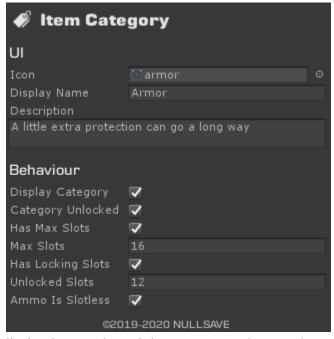
Text Color - Color to apply to text in UI

Category - Category of Tag (can be used for filtering in UI)

Hide When Attached - If checked this tag will be hidden from the UI if the item is attached to another item.

Item Categories

Item Categories are required by the Inventory Cog[™] to sort your items appropriately. In some cases, you may not need to separate items into groupings, in this event it is still necessary to create a single Item Category to contain all your items. Item Categories are creating by right-clicking in your "Project" pane and selecting Create/TOCK/Inventory/Item Category. (As of 2021.2f.0 this can also be done directly from the Inventory Cog editor).



Icon - Sprite asset to associate with your category

Display Name - Name to display for this category

Description – Descriptive details for category

Pun Relative Path – (Only displays when Photon PUN 2 is installed) Lists the relative path under Resources that all objects using the category are placed for network instancing

Display Category - Determines whether the category should be displayed in various UI elements (checked by default)

Category Unlocked - Determines if the category is unlocked. Items associated with this category will not be lootable unless this option is checked (checked by default) **Has Max Slots** - When checked this option

limits the number of slots or spaces that can be used in this category

Max Slots - Sets the maximum number of items in this category allowed at one time in inventory

Has Locking Slots - Checking this box will allow you to have slots appear as "locked" and unusable (useful for upgrade/unlock behaviors)

Unlocked Slots - Sets how many slots are unlocked.

Ammos Is Slotless - If checked this option will not count Inventory Items marked as "Ammo" against the slot count

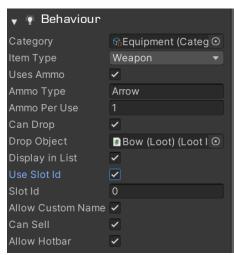
Item Categories are instantiated to each instance of Inventory Cog™ and do support having different values on different characters. These values are automatically saved by Inventory Cog™ when you invoke the InventoryStateSave method.

When Stats Cog[™] is installed additional options will be available to set certain items as either "Static" values (normal) or based on Stat Values / Stat Expressions. These will operate in the same way as Stat Values & Expressions defined in Stats Cog[™] documentation.

Inventory Items

The heart of Inventory Cog[™] is Inventory Items. These items can be equipped, stored, dropped, looted, bought, and sold. If you have Stats Cog[™] installed as well, they can even modify your character's stats. (As of 2021.2f.0 this can also be done directly from the Inventory Cog editor).

These items are extremely versatile, and the editor is broken down into collapsible sections. We will cover those sections individually below.



Category - Scriptable Object reference which determines what category this item belongs to

Item Type - Specifies the type of item this is options include: Consumable, Weapon, Armor, Shield, Ammo, Ingredient, Quest Item, Journal, Component, Attachment and Container. (note: Weapon, Consumable, Ammo, Attachment and Container are special types that affect how the item is used. All other times are for your use and do not affect behavior)

Uses Ammo - Sets if the item requires ammo (only available for Weapon item type)

Ammo Type – String value denoting type of ammo to use (for Weapon item type) or type of ammo to be (for Ammo item type)

Ammo Per Use - Specifies how much ammo is required for each use

Can Drop - Determines if the item can be dropped once looted (useful for things like quest items)

Drop Object - Prefab to instantiate when the item is dropped

Display in List - Determines if the item should be displayed in the inventory UI

Use Slot Id - Not specifically used by Inventory Cog[™] but available for your use and consumed by Slot Item UI

Slot Id - Specifies which Slot Id to use

Allow Custom Name - If checked player can assign a custom name to this item **Can Sell** - Item can only be sold to vendors if this option is checked

Allow Hotbar - If checked this item can be assigned to the Hotbar



* Not available for Container item types **Stackable** - Determines if the item can be stacked into a single slot

Count Per Stack - Sets the maximum number that can be in a single stack

Has Max Stacks - If checked only a certain

number of stacks will be allowed at any one time

Max Stacks - Sets the maximum number of stacks allowed

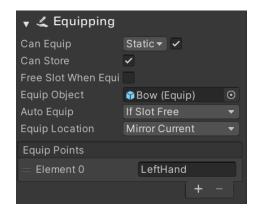


*Only available for Container item types **Must Empty To Hold** - If checked the item
must not be storing any other items to be
added to the inventory

Has Max Slots - If checked the number of slots available in the container will be limited **Max Slots** - Sets the maximum number of

slots for the container

Has Max Weight – If checked the item will only be able to contain up to a certain weight **Max Weight** – The maximum weight allowed in the container



*Not available for Attachment items

Can Equip – If checked the item can be physically equipped to the character

Can Store - Determines if, once equipped, the item can be stored

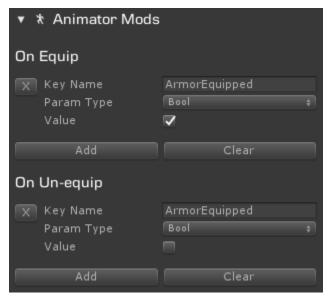
Free Slot When Equipped - If checked the item will not display in the inventory or count against maximum slots when equipped to the player

Equip Object - Prefab of the item to equip to the character

Auto Equip - Sets how to automatically equip the item when looted (Never, If Slot Free, Always)

Equip Location - Sets where to auto equip looted item (Mirror Current, Always Equip, Always Store)

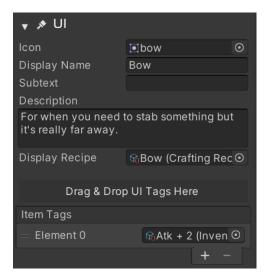
Equip Points - List of strings corresponding to equip points on the character the item can be equipped. If there are more than one Inventory Cog^{TM} will use the first free slot (if any) or the first slot listed (if none are free)



*Not available for Attachment items Sometimes you want to change the way your character moves, or acts based on what items they have equipped, Animator Mods helps do that.

On Equip - List of animator mods to set when the item is equipped to the character

On Un-equip - List of animator mods to set when the item is no longer equipped to the character



Icon - Icon to display for the item in the UI

Display Name - Name to display in the UI for the item

Subtext - UI subtext for item

Description - Description of the item

Display Recipe - Recipe (if any) to display on UI in association with this item

Item Tags - Array of Item Tags for the item. These tags are reorderable and will be displayed in the order they appear here.

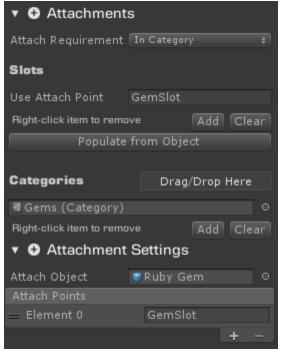


In some inventory UIs you may which to display a preview model to the player, this section is created for that purpose.

Object - Prefab to instance when previewing

the item

Scale - Scale to set the object to in preview



*Not available for Attachment items

Attach Requirements - Requirements to use to allow an attachment to be added to this item (None Allowed, In Category, In Item List)

Slots - List of attachment slots available for item. The "Use Attach Point" is per slot and tells the slot where to physically equip the item (if anywhere) **Populate from Object** - Automatically creates a

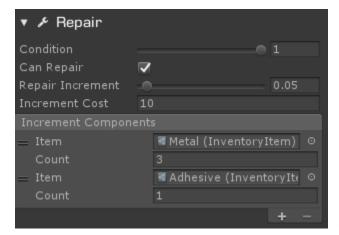
slot for each Attach Point in the Equip Object **Categories** - List of categories an attachment item can be in

Items - List of specific attachments that are allowed on this item

* Only available for Attachment items

Attach Object - Physical Game Object to attach to the item (if any)

Attach Points - A list of points the attachment can be added to

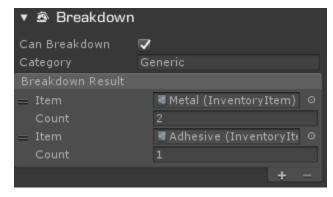


possible based on the player's current inventory)

Condition - The default condition level for the item

Can Repair - If check the item can be repaired when the condition is less than 1
Repair Increment - Amount of condition to restore with each usage of Cost/Components
Increment Cost - Cost associated with repairing the item 1 increment (not currently used but available for you)

Increment Components - A list of other Inventory Items (and their count) needed to repair this item 1 increment. (Inventory Cog™ will automatically repair an item as much as



The Breakdown section allows you to provide a way for the player to break an item down into other components.

Can Breakdown - Determines if the item can be broken down

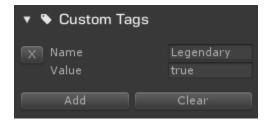
Category - String representing the category of breakdown (useful for filtering weapon/armor/etc)

Breakdown Result - A list of other Inventory Items (and their count) that will be added to the player's inventory when this item is

broken down



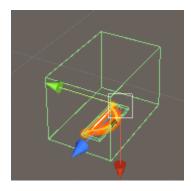
Rarity - Base rarity for the item **Weight** - Base weight for the item **Value** - Base value for the item



Introduced with version 1.4 **Custom Tags** can be used to filter items in your lists and for any custom features you wish to add. These tags are saved/loaded with the rest of the inventory.

Creating a Loot/Drop Item

Most items will need the ability to be picked up from the ground or dropped to the ground by the player from their inventory. To do this we will create a prefab which we can place in the "Drop Object" of an Inventory Item covered in the previous section.



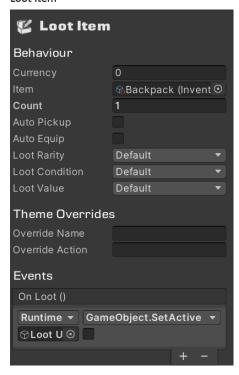
To begin, drag your model into the scene. Add any Rigidbody and colliders you wish.

If you're using a collider to pick up your object add a trigger collider as well. (Seen left as the larger green bounding box)

Next add either a Loot Item or a Loot Item With UI component to your model.

Once setup you can drag the object into a prefab and assign to the Inventory Item "Drop Object" if desired.

Loot Item



Currency - Amount of currency to add

Item - Reference to Inventory Item to add when looted

Count - Number of the item to add to inventory

Auto Pickup - If checked player will automatically pickup loot item when inside collider

Auto Equip - If **not** checked the item will not be auto equipped even if the Inventory Item's Auto Equip is set to If Slot Free or Always

Loot Rarity - Determines what rarity to assign when looted (Default, Constant, Random Between Constants)

Loot Condition -Determines what condition to assign when looted (Default, Constant, Random Between Constants)

Loot Value -Determines what value to assign when looted (Default, Constant, Random Between Constants)

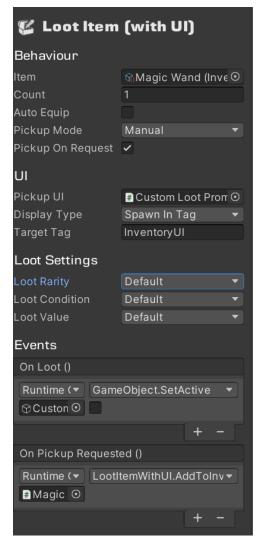
OnLoot - Event fired when item is looted

Override Name - Force name to use inside themed prompt **Override Action** - Force action name to use inside themed prompt

On Loot - Event fired when the player loots the item

Loot Item With UI

Extended from the Loot UI component, this component allows you to specify custom UI options for your items.



Item - Reference to Inventory Item to add when looted
Count - Number of the item to add to inventory
Auto Equip - If not checked the item will not be auto
equipped even if the Inventory Item's Auto Equip is set
to If Slot Free or Always

Pickup Mode - Sets how to pick up the object (Manual, By Button, By Key)

Pickup Button – Button to monitor for pickup (By Button only)

Pickup Key – Button to monitor for pickup (By Key only) **Pickup On Request** – Adds to inventory immediately on request if checked, otherwise added is done manually **Pickup UI** – Prefab or GameObject reference of a Pickup Menu UI to show for this item.

Display Type - Sets how to display the prompt (Activate Game Object, Spawn On First Canvas, Spawn In Transform, Spawn In Tag)

Parent Transform - Transform to place prefab in (Spawn In Transform only)

Target Tag - Name of tag to find and place prefab in (Spawn In Tag only)

On Loot - Event fired when item is looted
On Pickup Requested - Event fired when pick up of item is requested

Creating Equip Objects

In order to physically equip an object to your character you will need a prefab to use when equipping. No special components are needed for this but there are a few tricks that may come in handy for getting your item positioned just right.

To begin with create an Empty Game Object in your scene and name it as desired. For this example, it will be referred to as NewEquipObject. Next add your model as a child, which we will refer to as BaseModel.

With your character and the object in the scene press play. Once your scene has started, press the pause button and return to the scene view.

Now drag NewEquipObject into whichever Equip Point you wish to use. Unity will automatically adjust the scaling. Most likely the item will not be positioned exactly how you want it.

Adjust the BaseModel (not NewEquipObject) until it is positioned and rotated as desired. Once complete you can drag the NewEquipObject to create a prefab.

The object is now setup and can be assigned to the Inventory Item "Equip Object".

Creating Item Previews

Item previews are used in the UI only and don't require any special components added to them. Setup is quite like Equip Objects, placing the model inside of an Empty Game Object parent.

To adjust Item Previews, open the preview at run time and adjust the child offset as needed to center in your view.

Inventory Cog™

The Inventory Cog™ component is the heart of the Inventory Cog™ system and should be added to every player and non-player character that needs to track inventory. As mentioned in the introduction all objects (even the Scriptable Objects) are instantiated per use and cleanly support multiple characters without any additional setup. These inventories can all be saved and loaded individually.

As of 2021.2f.0 all subcomponents needed can be created and edited directly from this inspector. Like Inventory Items, the Inventory Cog^{TM} is broken down into sections for easy display and use.

Inventory DB



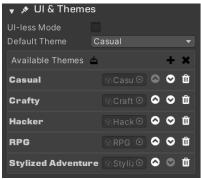
Active DB – (Read-only) Reference to the active <u>Inventory DB</u> in the scene.

Apply to Prefab - If the active reference is a prefab checking

this button will apply any changes made directly to the prefab, otherwise changes will be limited to active scene.

Use PUN Instancing - If checked equipment and attachments will be instanced with Photon PUN (only visible of Photon PUN is installed)

UI & Themes



UI-less Mode – If checked no UI will be created or used for this instance. Useful for NPCs or networked players.

Default Theme - Theme to use by default at startup **Available Themes** - List of themes allowed to be used

Item Categories

<u>Item Categories</u> can be created and edited from this section. Existing categories can also be dragged and dropped from the section header.

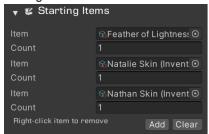
Item Tags

<u>Item Tags</u> can be created and edited from this section. Existing categories can also be dragged and dropped from the section header.

Item List

Inventory Items_Item_Categories can be created and edited from this section. Existing categories can also be dragged and dropped from the section header.

Starting Items



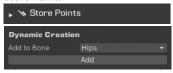
Contains a list of items (and their counts) that a player starts the game with. Items are added to the inventory at startup in the order they are listed here.

Equip Points



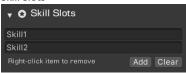
Conveniently displays list of all <u>Equip Points</u> attached to the character. If you're using a humanoid rig, you can also automatically create new points and attached them to a selected bone.

Store Points



Conveniently displays list of all <u>Store Points</u> attached to the character. If you're using a humanoid rig, you can also automatically create new points and attached them to a selected bone.

Skill Slots



Skills are an abstract concept in this system. They can be used for spells, abilities, etc. Skill Slots are areas you can assign these items to. In the case of this example a player can only have 2 skills active/assigned at a time.

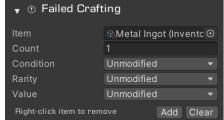
Crafting Categories

<u>Crafting Categories Item Categories</u> can be created and edited from this section. Existing categories can also be dragged and dropped from the section header.

Crafting Recipes

<u>Crafting Recipes_Item_Categories</u> can be created and edited from this section. Existing categories can also be dragged and dropped from the section header.

Failed Crafting

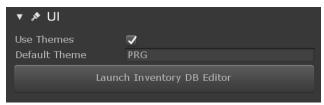


For some games you may wish to create an item or items because of a failed attempt at crafting. This section allows you to define what is created when crafting fails.

Events



Contains a list of useful events that are fired under different conditions.



not found the 1st one in the list will be used.

Default

X 0

Raycasting

Raycast Offset

Starting Items

Max Distance

X Item Count **Use Themes** - This should always be checked. The ability to work without themes is left for older projects and will be removed in future.

Default Theme – Name of the theme to load by default. If a theme matching that name is

Raycast Culling – Sets which layer(s)

Starting Items - Contains a list of items (and their counts) that a player starts the game with



Failed Crafting Result - Contains a list of items (and their counts) to add to a player's inventory when they attempt to craft and there is no recipe that corresponds to the attempt. This is separate from when a player attempts to craft a known recipe and fails.

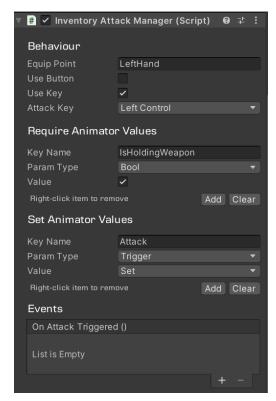
Note: While playing a Debug view becomes available showing you all items and counts currently in inventory.

■ Arrow (InventoryI ○

Clear

Inventory Attack Manager

This component aids with setting up basic attacks and can trigger animator changes, damage triggers and more. Multiple instances of the Attack Manager can be added to an object, each instance works with a single equip point, easily allowing options like dual wielding with separate keys/buttons for each point.



Equip Point - Name of the equip point to work with. **Use Button** - When checked the attack manager will monitor a button for input to trigger the attack

Attack Button - Button to monitor

Use Key - When checked the attack manager will monitor a Key for input to trigger the attack

Attack Key - Key to monitor

Required Animator Values - Optional list of values that are required to match on the animator in order for an attack to be triggered.

Set Animator Values - Optional list of values to set on the animator when an attack is triggered **onAttackTriggered** - Event fired whenever an attack is triggered by the Attack Manager.

API

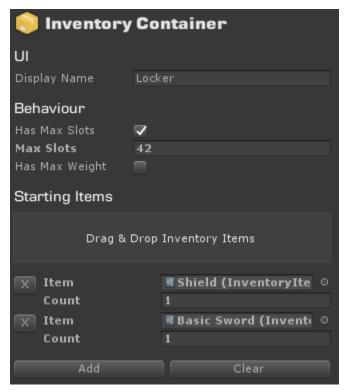
Attack() - Triggers an attack on the specified Equip

Point as long as the required conditions are met.

Attack(InventoryItem item) - Equips the supplied item to the Equip Point (if not already equipped) and triggers an attack as long as required conditions are met.

Inventory Containers

Inventory Containers allow players to store or retrieve items from a container. Like Inventory Cog™ instances containers states can be saved and loaded.



Display Name – Name to display in the UI **Has Max Slots** – When checked the container will have a maximum number of storage slots

Max Slots - Sets the maximum number of slots for a container

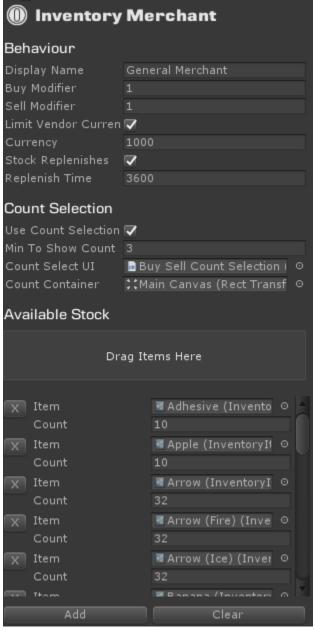
Has Max Weight - If checked the item will only be able to contain up to a certain weight

Max Weight – The maximum weight allowed in the container

Starting Items - Lists all items (and their counts) the container has at the beginning of the game

Inventory Merchants

Inventory Merchants provide your player with a way to buy and sell goods in game.



Display Name - Name to display in UI
Buy Modifier - Amount to multiply item
value by when buying from player
Sell Modifier - Amount to multiply item
value by when selling to player
Limit Vendor Currency - When check the
merchant will start with a limited amount of
currency
Currency - Amount of currency merchant
starts with
Stock Replenishes - When checked stock
will automatically replenish over time
Replenish Time - Second to wait before

Use Count Selection - Left for compatibility with older versions. Themes replaces the need for this section and its children.

replenishing stock

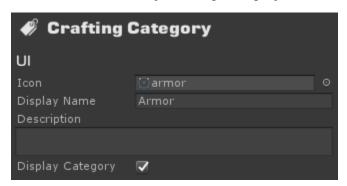
Available Stock – Default stock to start with (and replenish if set)

Crafting

The crafting system built-in to Inventory Cog™ allows your players to combine objects to either upgrade an item or create new items. Crafting can be completed instantly or over time (both game and real-world time).

Crafting Category

Like Inventory Items, Crafting Recipes need to have a category assigned to them for sorting and separating. If you aren't using multiple categories a single master category is still needed. You can create a category by right-clicking in the "Project" pane and selecting Create/TOCK/Inventory/Crafting Category.



Icon - Icon to display for category in UI
Display Name - Name to display in UI
Description - Description of category
Display Category - When checked the
category will appear in category lists

Crafting Recipes

In order to craft an upgrade or new item a recipe is needed for Inventory Cog™. Like other larger items Crafting Recipe is divided into sections.



Icon - Icon to display in UI
Display Name - Name to display in UI
Description - Description of the recipe



Crafting Category - Category the recipe belongs to **Unlocked** - Recipes cannot be crafted unless they are unlocked

Display In List - Sets if the recipe should be displayed in UI lists

Rarity - Rarity to assign to recipe

Value - Currency value of recipe

Craft Type - Type of recipe (Create or Upgrade)

Craft Time - Time used to complete crafting (Instant, Game Time, Real Time)

Craft Seconds - Seconds needed to complete crafting (Game Time and Real Time only)

Success Chance - Chance the recipe will craft successful (0 - never, 1 - always)



This section only shows for "Upgrade" types

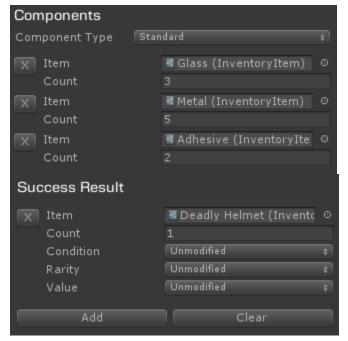
Base Item - Item to be removed and upgraded

Min Condition – Minimum condition of item required to upgrade

Max Condition - Maximum allowed

condition of item to upgrade

Min Rarity - Minimum rarity of item required to upgrade **Max Rarity** - Maximum allowed rarity of item to upgrade



Called Additional Components for "Upgrade" types

Component Type - Type of component reference to use (Standard/Advanced)
Standard Components - Lists items (and counts) required to complete recipe
Advanced Components - Lists items, counts, min/max condition and min/max rarity required to complete recipe

Success Result - Lists items to be added to inventory if the recipe is completed successful

Item - Inventory Item to add **Count** - Number of the item to add to inventory

Condition - Change to apply to base condition (Unmodified, Average Of Components, Lowest of Components, Highest Of Components)

Rarity - Change to apply to base rarity (Unmodified, Average Of Components, Lowest of Components, Highest Of Components)

Value - Change to apply to base value (Unmodified, Average Of Components, Lowest of Components, Highest Of Components)

When Stats Cog™ is installed, additional options will be available to set certain items as either "Static" values (normal) or based on Stat Values / Stat Expressions. These will operate in the same way as Stat Values & Expressions defined in Stats Cog™ documentation.

UI Components

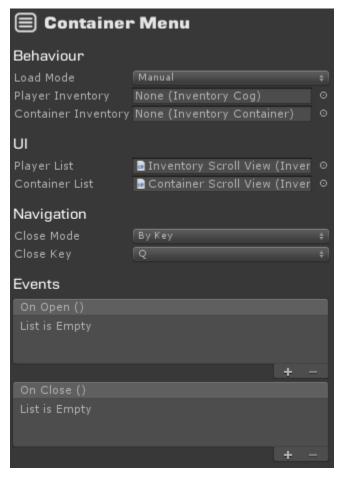
Inventory Cog™ comes with an array of built-in UI components for you to use. You are not required to use any of them and can easily roll your own with the API or using the built-in options as base classes.

Menu Components

Several portions of Inventory Cog™ allow for you to provide menu interfaces. These interface not only display information to your player but will also pass information down to child components so you don't have to manually set a reference to the Inventory or Stats Cogs.

Container Menu UI

Used in association with Inventory Containers.



Load Mode - Determines how to load data into the UI (Manual or On Enable); Inventory Cog[™] will automatically call load methods when the menu is opened via Inventory Cog[™]

Player Inventory - Reference to the player's Inventory Cog[™] (automatically populated if opened via Inventory Cog[™])

Container Inventory - Reference to the Inventory Container being interacted with (automatically populated if opened via Inventory Cog[™])

Player List – Reference to Inventory Item List used to display the player's inventory **Container List** – Reference to Inventory Item List used to display the container's inventory

Close Mode - Determines how to close the menu (Manually, By Button, By Key) **Close Button** - Button to monitor for close

(By Button only)

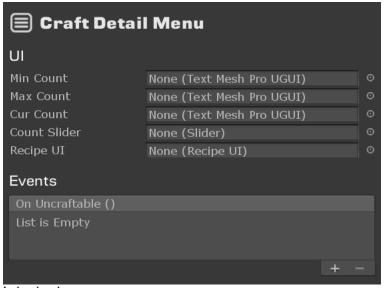
Close Key – Key to monitor for close (By Key only)

On Open - Event fired when the menu is opened

On Close – Event fired when the menu is closed

Craft Detail Menu UI

This menu displays details for a specific recipe and allows you to craft one or more instances of it.



allowed craft count (always 0 or 1 when invoked directly through Inventory Cog)

Max Count - Displays maximum

Min Count - Displays the minimum

Max Count - Displays maximum number that can be crafted with components on hand.

Cur Count - Displays the currently selected count to craft

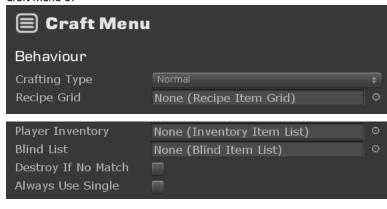
Count Slider - Used to select/display craft count

Recipe UI - Displays details about the recipe

On Uncraftable - Fires whenever a recipe cannot be crafted with components on hand or the recipe

is locked

Craft Menu UI



Craft Type - Selects the type of crafting to be done (Normal or Blind)

Recipe Grid - Displays all known recipes (Normal only)

Player Inventory - Displays the player's inventory (Blind only) Blind List - Displays components selected for crafting (Blind only) Destroy If No Match - When

checked components selected will be destroyed if no recipe is found (Blind only) **Always Use Single** - When checked only 1 component will be added at a time regardless of theme's desire to show Count Select (Blind only)

General UI

This element is always displayed while the theme is active. There are no elements to assign. It does, however, pass down references to Inventory & Stats Cogs just like a menu would.

Inventory Menu UI

This is the main menu for displaying inventory to your player. All Inventory Item List, Equip Point UI, Recipe List and Slot Item UI components that are children of this object will automatically be given a reference to the Inventory Cog[™]. Additionally, Slot Item UI components will have their LoadSlot method called.



Open Mode - Determines how to open the menu (Manually, By Button, By Key)

Open Rutton - Button to monitor

Open Button - Button to monitor for open (By Button only)

Open Key - Key to monitor for open (By Key only)

Close Mode - Determines how to

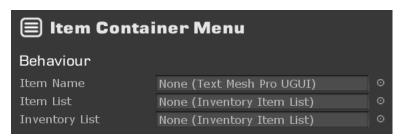
close the menu (Manually, By Button, By Key)

Close Button - Button to monitor for close (By Button only)

Close Key - Key to monitor for close (By Key only)

Item Container Menu UI

Provides support for working with containers found in the environment.



Item Name - Displays the name of the container

Item List - Displays the contents of the container

Inventory List - Displays the player's inventory

Item Container Menu UI

Provides support for working with containers found in the environment.



close (By Key only)

Close Mode - Determines how to close the menu (Manually, By Button, By Key)

Close Button – Button to monitor for close (By Button only)

Close Key - Key to monitor for

Item Manager Menu UI

Provides support for working with a single item.



close (By Key only)

Close Mode - Determines how to close the menu (Manually, By Button, By Key)

Close Button – Button to monitor for close (By Button only)

Close Key - Key to monitor for

Item Menu UI

Provides support for context menus within menus. These are used in the Stylized Adventure Inventory demo.



Allow Auto Wrap - When checked navigation from first item to last or vise-versa will be allowed

Enable Click Select - If checked menu options will be monitored for click events **Navigation Mode** - Determines how to navigation between options (Manually, By Button, By Key)

Nav Button – Button to monitor for navigation (By Button only)

Back Key - Key to monitor to select previous (By Key only)

Next Key - Key to monitor to select next (By Key only)

Invert Input - If true input is inverted

Allow Auto Repeat - If true input will automatically be repeated

Repeat Delay - Seconds to wait before repeating input

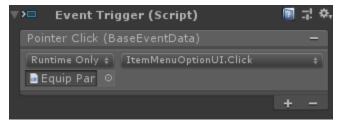
Selection Mode - Determines how to submit selection (Manually, By Button, By Key)

Button Submit - Button to monitor for submit (By Button only)

Key Submit - Key to monitor for submit (By Key only)

Item Menu Option

This component needs to be added to each element in the Item Menu UI that is available for selection.

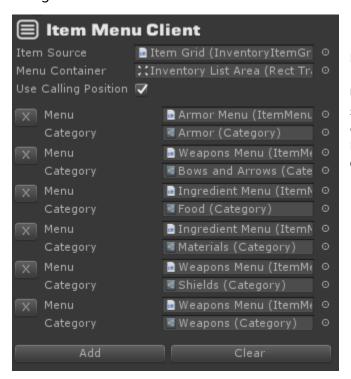


There are four events available on this component: On Selected, On Un Selected, On Submit and On Click.

If you wish to enable mouse support, you will need to add an Event Trigger that calls the Click event (as seen left)

Item Menu Client

The Item Menu Client provides a middleman between the original menu and the Item Menu being called.



Item Source - Inventory Item List to monitor for item submission

Menu Container - Transform to assign as parent to opened menu

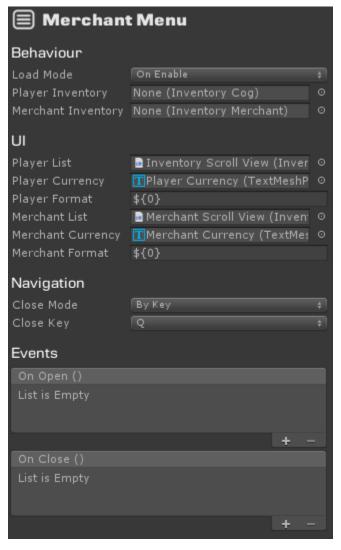
Use Calling Position - When checked the spawned menu will be placed at the center of the submitted item

Menu - Item Menu UI to display

Category - Category of item to display menu for

Merchant Menu UI

Used in association with Inventory Merchants.



Load Mode – Determines how to load data into the UI (Manual or On Enable); Inventory Cog[™] will automatically call load methods when the menu is opened via Inventory Cog[™]

Player Inventory - Reference to the player's Inventory Cog[™] (automatically populated if opened via Inventory Cog[™])

Merchant Inventory - Reference to the Inventory Merchant being interacted with (automatically populated if opened via Inventory Cog™)

Player List - Reference to Inventory Item List used to display the player's inventory

Player Currency - TextMeshPro component to display player's available currency

Player Format - Format to use when displaying currency, {0} is replaced with currency value

Merchant List - Reference to Inventory Item List used to display the merchant's inventory

Merchant Currency - TextMeshPro component to display merchant's available currency

Merchant Format – Format to use when displaying currency, {0} is replaced with currency value

Close Mode - Determines how to close the menu (Manually, By Button, By Key)

Close Button - Button to monitor for close

(By Button only)

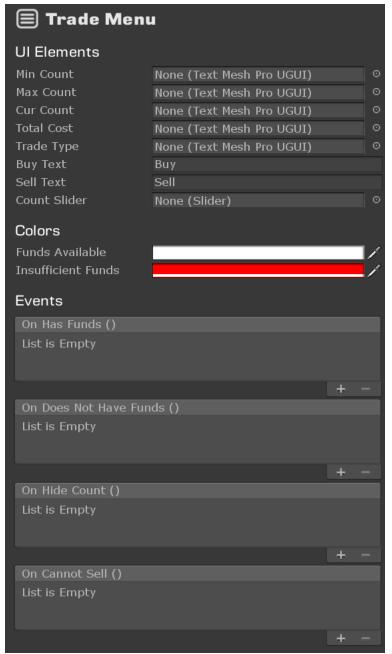
Close Key – Key to monitor for close (By Key only) **On Open** – Event fired when the menu is opened **On Close** – Event fired when the menu is closed

Pickup Menu UI

Used for menus opened by Loot Item With UI. No parameters are used with this component. However, references to the Inventory Cog™ and Loot Item With UI are passed in.

Trade Menu UI

Used for displaying details about a specific item transaction.



Min Count - Displays the minimum allowed trade count (always 0 or 1 when invoked directly through Inventory Cog)

Max Count - Displays maximum

number that can be bought/sold with item count on hand for player/vendor.

Cur Count - Displays the currently selected count to trade

Count Slider – Used to select/display trade count

Total Cost - The total value (with modifiers) times the selected count

Trade Type – Displays the type of trade (buy/sell)

Trade Type - Displays the type of transaction in progress

Buy Text - Text to display in "buy" mode

Sell Text - Text to display in "sell" mode

Funds Available - Color to apply to the "Total Cost" if enough currency is available for transaction

Insufficient Funds - Color to apply to the "Total Cost" if not enough currency is available for transaction

On Has Funds – Fired when enough funds are available

On Does Not Have Funds - Fired when not enough funds are available

On Hide Count - Fired then the "max count" does not meet the theme's minimum requirement to show counts

On Cannot Sell - Fired when the item is not marked as "Can Sell"

Count Select UI

Used with modals to select counts



Count Slider - Slider used to adjust selected count

Title - TextMeshPro object to place title on **Min Count** - TextMeshPro object to place minimum allowed count on

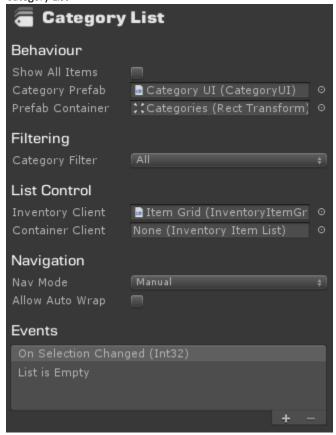
Max Count - TextMeshPro object to place maximum allowed count on

Cur Count – TextMeshPro object to place current selected count on

List Components

In many cases you will want to display a list of items in the Player's inventory, a container, etc. Components in this section aid with that display.

Category List



Show All Items – If checked an additional "All Items" category will be displayed at the start of the list

All Items Icon – Icon to display for the "All Items" category

All Items Text - Text to display for the "All Items" category

Category Prefab – Category UI prefab to use for each item in list

Prefab Container - Transform parent to place items in

Category Filter - Filter to use when displaying categories (All, In List, Not In List) when either In List or Not In List is selected Inventory Categories can be dragged and dropped into the list.

List Control - The Inventory Item List, if provided, will have its category updated to reflect the category selected by this component

Container Control - The Inventory Item List, if provided, will have its category updated to reflect the category selected by this component

Navigation Mode - Determines how to

navigate categories (Manually, By Button, By Key)

Nav Button - Button to monitor for navigation (By Button only)

Back Key - Key to monitor to select previous (By Key only)

Next Key - Key to monitor to select next (By Key only)

Allow Auto Wrap - If check movement between first/last items is allowed

On Selection Changed - Event fired when selected category changes

Crafting Category List



Show All Items - If checked an additional "All Items" category will be displayed at the start of the list

All Items Icon - Icon to display for the "All Items" category

All Items Text - Text to display for the "All Items" category

Category Prefab - Category UI prefab to use for each item in list

Prefab Container - Transform parent to place items in

Recipe Client - Recipe List, if provided, will have its category updated to reflect the category selected by this component

Category Filter - Filter to use when displaying categories (All, In List, Not In List) when either In List or Not In List is selected Inventory Categories can be dragged and dropped into the list.

Navigation Mode - Determines how to navigate categories (Manually, By Button, By Key)

Nav Button – Button to monitor for navigation (By Button only)

Back Key - Key to monitor to select previous (By Key only)

Next Key - Key to monitor to select next (By Key only)

Allow Auto Wrap - If check movement between first/last items is allowed

On Selection Changed - Event fired when selected category

Inventory Component List



List Type - Type of list to display for (Breakdown or Repair)

Item Source – Inventory Item List to monitor for selection

Component Prefab - Prefab to display for each component associated with item

selected in Item Source

Component Container - Transform parent for prefabs

Inventory Item List

This base class is used to support the Inventory Item Grid and Inventory Item Scroll List components. It should **not** be added to any object directly.

Inventory Item Grid

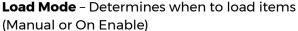
Displays inventory items in a grid. As a larger component this item is divided into sections. As covered in the Menu Components section Inventory CogTM, Container and Merchant can be

automatically populated, and load methods automatically called when opened by the Inventory CogTM. The Category Filter can also be overridden by a Category List.



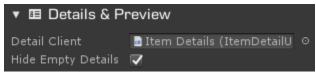
Reference to relevant selected source

Item UI Prefab - Prefab to instance for each item

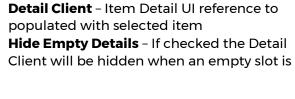


List Source - Data source for list (Inventory Cog, Inventory Container or Inventory Merchant)

Inventory Cog/Container/Merchant -



selected





Clear

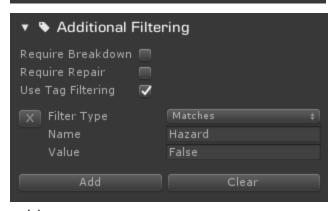
Page Mode - Determines how to handle paging of items (All Available or Only Used)

Grid Size - Layout of grid, should reflect grid per page or all items if not using paging

Hide Select Indicator - When checked the selected item indicator will not be displayed if input is locked

Category Filter - Determines which categories to display items for (All, In List, Not In List)

Categories - Categories can be dragged and dropped for In List and Not In List



that support breakdown will be displayed

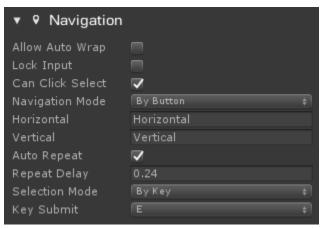
Require Repair - If checked only items that
support repair and have a condition of less
than 1 will be displayed

Require Breakdown - If checked only items

Use Tag Filtering - If checked only items that match **all** tag filters will be displayed **Filter Type** - Type of filter to apply (Matches, Exists, Does Not Exist)

Name - Name of tag to check for Value - Value of tag to compare (Matches

only)



Allow Auto Wrap - When checked movement between first/last items will be allowed

Lock Input - When checked input to component will be disabled

Can Click Select – If checked items will be monitored for click events

Navigation Mode – Determines how to navigate items (Manually, By Button, By Key)

Horizontal - Button to monitor for horizontal movement (By Button only)

Vertical - Button to monitor for vertical movement (By Button only)

Left - Key to monitor for left movement (By Key only)

Right - Key to monitor for right movement (By Key only)

Up - Key to monitor for up movement (By Key only)

Down - Key to monitor for down movement (By Key only)

Allow Auto Repeat - If true input will automatically be repeated

Repeat Delay - Seconds to wait before repeating input

Selection Mode - Determines how to submit selection (Manually, By Button, By Key)

Button Submit - Button to monitor for submit (By Button only)

Key Submit - Key to monitor for submit (By Key only)

Inventory Item Scroll List

Displays inventory items in a scroll view. As a larger component this item is divided into sections. As covered in the Menu Components section Inventory CogTM, Container and Merchant can be automatically populated, and load methods automatically called when opened by the Inventory CogTM. The Category Filter can also be overridden by a Category List.



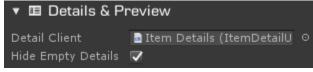
Load Mode - Determines when to load items (Manual or On Enable)

List Source - Data source for list (Inventory Cog, Inventory Container or Inventory Merchant)

Inventory Cog/Container/Merchant -

Reference to relevant selected source

Item UI Prefab - Prefab to instance for each item



Detail Client - Item Detail UI reference to populated with selected item

Hide Empty Details - If checked the Detail Client will be hidden when an empty slot is

selected



Line Height - Height of each line including any padding in the Horizontal/Vertical Layout Group.

Padding - Extra padding to apply



Category Filter - Determines which categories to display items for (All, In List, Not In List)

Categories - Categories can be dragged and dropped for In List and Not In List

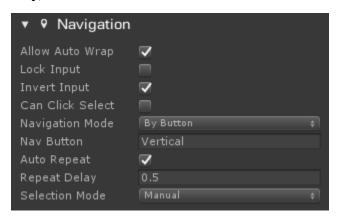


Require Breakdown - If checked only items that support breakdown will be displayed **Require Repair** - If checked only items that support repair **and** have a condition of less than 1 will be displayed

Use Tag Filtering - If checked only items that match **all** tag filters will be displayed **Filter Type** - Type of filter to apply (Matches, Exists, Does Not Exist)

Name - Name of tag to check for Value - Value of tag to compare (Matches

only)



Allow Auto Wrap - When checked movement between first/last items will be allowed

Lock Input - When checked input to component will be disabled

Can Click Select - If checked items will be monitored for click events

Navigation Mode - Determines how to navigate items (Manually, By Button, By Key) Nav Button - Button to monitor for movement (By Button only)

Back Key - Key to monitor to select previous

(By Key only)

Next Key - Key to monitor to select next (By Key only)

Allow Auto Repeat - If true input will automatically be repeated

Repeat Delay - Seconds to wait before repeating input

Selection Mode - Determines how to submit selection (Manually, By Button, By Key)

Button Submit - Button to monitor for submit (By Button only)

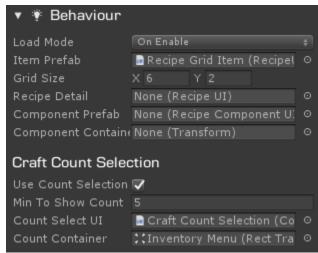
Key Submit - Key to monitor for submit (By Key only)

Recipe List

This base class is used to support the Recipe Item Grid and Recipe Scroll List components. It should **not** be added to any object directly.

Recipe Item Grid

Displays crafting recipes in a grid. As a larger component this item is divided into sections. As covered in the Menu Components section Inventory Cog™ can be automatically populated, and load methods automatically called when opened by the Inventory Cog™. The Category Filter can also be overridden by a Category List.



Load Mode - Determines when to load items (Manual or On Enable)

Item Prefab - Prefab to instance for each item

Grid Size - Layout of grid, should reflect grid per page or all items if not using paging

Recipe Detail - Recipe UI reference to update when selected item is changed

Component Prefab - Prefab to use to display required components

Component Container – Transform parent for prefab instances

Use Count Selection - When checked system will prompt user how many items to buy/sell

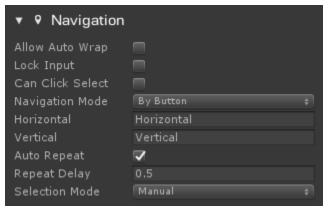
Min To Show Count - The minimum number of an item a user must be able to buy/sell in order to show count prompt (otherwise 1 item will be bought/sold each time)

Count Select UI - Prefab for selecting count

Count Container - Parent transform for count container (if any)



Category Filtering - List of strings corresponding to the scriptable object name of Crafting Categories to display. Note: this is the name in your "Project" pane **not** the Display Name



Allow Auto Wrap - When checked movement between first/last items will be allowed

Lock Input - When checked input to component will be disabled

Can Click Select - If checked items will be monitored for click events

Navigation Mode - Determines how to navigate items (Manually, By Button, By Key) Horizontal - Button to monitor for horizontal movement (By Button only)

Vertical - Button to monitor for vertical

movement (By Button only)

Left - Key to monitor for left movement (By Key only)

Right - Key to monitor for right movement (By Key only)

Up - Key to monitor for up movement (By Key only)

Down - Key to monitor for down movement (By Key only)

Allow Auto Repeat - If true input will automatically be repeated

Repeat Delay - Seconds to wait before repeating input

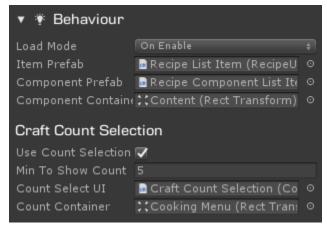
Selection Mode - Determines how to submit selection (Manually, By Button, By Key)

Button Submit - Button to monitor for submit (By Button only)

Key Submit - Key to monitor for submit (By Key only)

Recipe Scroll List

Displays crafting recipes in a scroll view. As a larger component this item is divided into sections. As covered in the Menu Components section Inventory Cog™ can be automatically populated, and load methods automatically called when opened by the Inventory Cog™. The Category Filter can also be overridden by a Category List.



Load Mode - Determines when to load items (Manual or On Enable)

List Source - Data source for list (Inventory Cog, Inventory Container or Inventory Merchant)

Inventory Cog/Container/Merchant -

Reference to relevant selected source

Item UI Prefab - Prefab to instance for each **Title** - TextMeshPro object to place title on **Min Count** - TextMeshPro object to place

minimum allowed count on

Max Count – TextMeshPro object to place maximum allowed count on

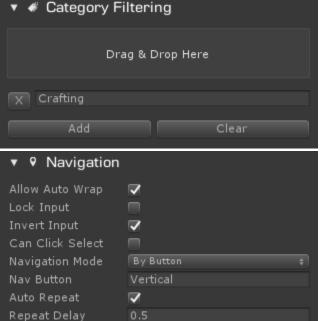
Cur Count - TextMeshPro object to place current selected count on

Count Slider - Slider used to adjust selected count



Line Height - Height of each line including any padding in the Horizontal/Vertical Layout Group.

Padding - Extra padding to apply



Category Filtering - List of strings corresponding to the scriptable object name of Crafting Categories to display. Note: this is the name in your "Project" pane **not** the Display Name

Allow Auto Wrap - When checked movement between first/last items will be allowed

Lock Input - When checked input to component will be disabled

Can Click Select - If checked items will be monitored for click events

Navigation Mode - Determines how to navigate items (Manually, By Button, By Key)

Nav Button – Button to monitor for movement (By Button only)

Back Key - Key to monitor to select previous

(By Key only)

Next Key - Key to monitor to select next (By Key only)

Allow Auto Repeat - If true input will automatically be repeated

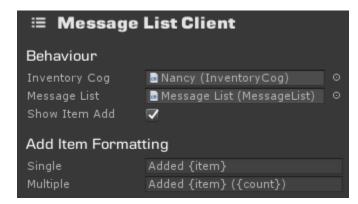
Repeat Delay - Seconds to wait before repeating input

Selection Mode - Determines how to submit selection (Manually, By Button, By Key)

Button Submit - Button to monitor for submit (By Button only)

Key Submit - Key to monitor for submit (By Key only)

Inventory Message List Client Subscribes to events to display messages



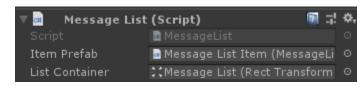
Inventory Cog - Instance of Inventory
Cog™ to monitor
Message List - Message list to send events

Show Add Item - When selected messages will be displayed when new items are added

Single - Text format to display when a single count is added

Multiple - Text format to display when multiple counts are added

Message List Displays a list of messages



Item Prefab - Prefab to instantiate for each message

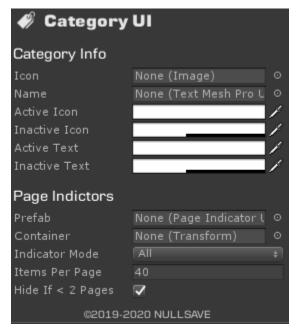
List Container – Transform parent for prefab instances

Item Elements

Each list or grid needs item elements to display. The components in this section provide those.

Category UI

Representing a single Category entry, the CategoryUI allows you to specify how an element is displayed in a category list or other custom UI. All elements are optional, use only the ones you wish.



Icon - Displays the Category Icon
 Name - Displays the Category Display Name
 Active Icon - Color to assign Icon if the Category is selected in the list

Inactive Icon - Color to assign Icon when the Category is **not** selected in the list

Active Text - Color to assign Display Name if the Category is selected in the list

Inactive Text - Color to assign Display Name when the Category is **not** selected in the list

Page Indicators - The Page indicators section allows you to specify a prefab that can be repeated in a list to display the pages associated with the Category.

Prefab - GameObject to instantiate for each page **Container** - Transform to parent the instantiated objects to

Indicator Mode - All (displays all pages even locked ones), All Unlocked (displayed all available

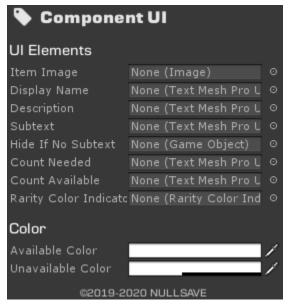
unlocked paged), Only Used (displays instance for used pages only)

Items Per Page - The number of items that are displayed on each page

Hide If < 2 Pages - When checked no indicators will be created unless there are at least 2 pages to display

Component UI

Representing a single crafting component entry, the ComponentUI allows you to specify how an element is displayed in a component list or other custom UI. All elements are optional, use only the ones you wish.



Item Image - Displays the InventoryItem icon
Display Name - Show the item's Display Name
Description - Shows the item's description
Subtext - Shows the item's subtext
Hide If No Subtext - Specifies a GameObject to set inactive if the item's subtext is empty or null
Count Needed - Displays the number of components required
Count Available - Displays the number of components in inventory
Rarity Color Indicator - Specifies a
RarityColorIndicator to update with the item
Available Color - Color to apply when the available

Available Color - Color to apply when the available count is greater or equal to the required count.

Applies to Image Icon, Display Name, Description, Subtext, Count Needed and Count Available

Unavailable Color - Color to apply when the

available count is less than the required count. Applies to the same objects as Available Color

Crafting Category UI



Category Name - TextMeshPro object to display Category Name

Category Image - Image to display Category Icon

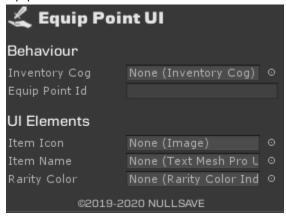
Active Color - Color to assign image when category is selected

Inactive Color - Color to assign to image

when category Is not selected

Active Text Color - Color to assign text when category is selected **Inactive Text Color** - Color to assign to text when category Is not selected

Equip Point UI



Inventory Cog - Reference to inventory to monitor (can be auto-populated by Inventory Menu)

Equip Point Id - ID of the equip point to monitor

Item Icon - Displays the item's Icon

Item Name - Shows the item's Display Name

Rarity Color - Binds to a Rarity Color Indicator

Item Detail UI

The Item Detail UI shows detailed information for an Inventory Item and is generally used on a prefab for lists. All elements are optional.



Category Sprite - Shows the icon associated with the item's Category

Category Name - Shows the Category's display name

Item Sprite - Shows the item's icon

Item Name - Shows the item's Display Name

Item Description - Shows the item's Description

Item Subtext - Shows the item's subtext

Item Preview - Supplies the Item Preview UI prefab to use when displaying the item's preview model

Recipe UI - UI to use for any associated Display Recipe **Custom Stat 1** - Specifies the name of the stat to

Stat 1 Display - Shows the specified Custom Stats

Custom Stat 2 - Specifies the name of the stat to display

Stat 2 Display - Shows the specified Custom Stats value

Ammo Type - Shows the item's ammo type

Value - Displays the item's value

Weight - Shows the item's weight

Condition Text - Shows the item's condition value **Condition Slider** - Sets a slider's value to reflect the item's condition

Rarity Color Indicator - Binds to a Rarity Color Indictor

Rarity Slider - Binds a slider to the item's rarity

Rarity Sprite – Specifies a sprite to be repeated for each 1x in the rarity value

Rarity Sprite Container – Sets the created sprite(s) parent transform

Sprite Size - Sets the sprite's RectTransform sizeDelta **Tag Prefab** - Specifies an Item Tag UI prefab to display for each tag in the item

Tag Container - Sets the created tag(s) parent transform

Item Preview UI

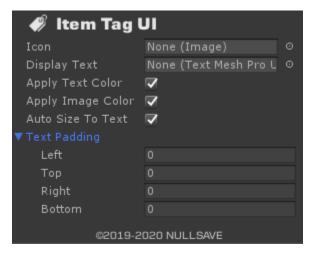
The Item Preview UI is used to create a prefab for displaying an item's preview model.



Preview Container - Sets the transform parent for the preview model

Item Tag UI

Used on a prefab, Item Tag UI, specifies how information for an Item Tag is displayed.



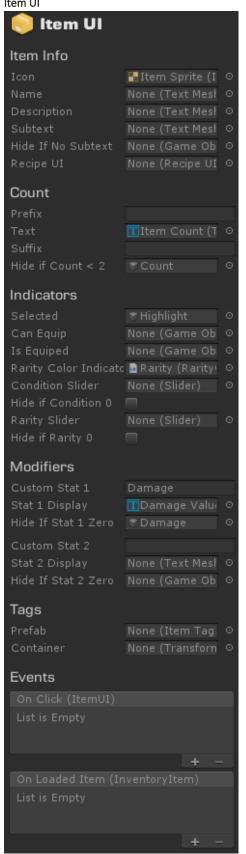
Icon - Shows the item's icon
Display Text - Shows the item's Display Name
Apply Text Color - When checked the "Display
Text" color will be updated to reflect the color in
Item Tag

Apply Image Color – When check the "Icon" color will reflect that in the Item Tag

Auto Size To Text – When check the object's RectTransform will be resized to fit the text

Text Padding – Padding to add to the RectTransform's size when "Auto Size To Text" is checked

Item UI



A less detailed Item information behaviour, Item UI, is used on prefabs; often ones consumed by lists. All elements are options

Icon - Shows the item's icon

Name - Shows the item's Display Name

Description - Shows the item's description

Subtext - Shows the item's subtext

Hide If No Subtext - Hides specified GameObject if subtext is null or empty

Recipe UI - UI to use for any associated Display Recipe

Prefix - Text to display before item's count

Text - Element to display item's count (with prefix and suffix)

Suffix - Text to display after item's count

Hide if Count < 2 - Specifies GameObject to display if item's count is less than 2

Selected - GameObject to show when item is selected in list

Can Equip - GameObject to show if the item can be equipped

Is Equipped - GameObject to show if the item is currently equipped or stored

Rarity Color Indicator - Rarity Color Indicator to bind to item

Condition Slider - Slider to bind to item's condition **Custom Stat 1** - Specifies the name of the stat to display Stat 1 Display - Shows the specified Custom Stat's value **Hide If Stat 1 Zero** - GameObject to hide if stat's value is zero

Custom Stat 2 - Specifies the name of the stat to display Stat 2 Display - Shows the specified Custom Stat's value **Hide If Stat 2 Zero** - GameObject to hide if stat's value is

Tag Prefab - Specifies an Item Tag UI prefab to display for each tag in the item

Tag Container - Sets the created tag(s) parent transform

Page Indicator UI

The Page Indicator UI is used with prefabs and requires an Image object.

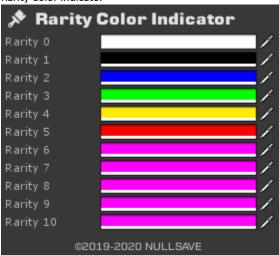


Active Color - Color to set image when page is active

Inactive Color - Color to set image when page is not active

Disabled Color - Color to set image if page is disabled

Rarity Color Indicator

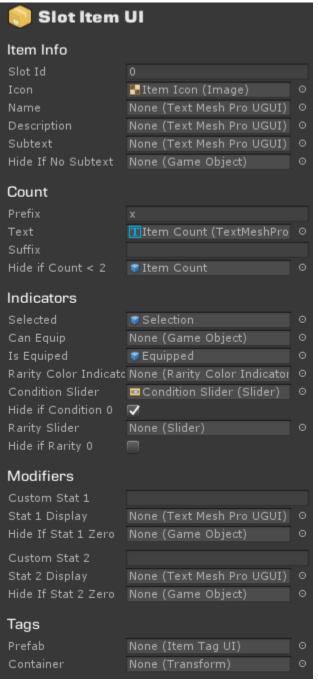


The Rarity Color Indicator is used with prefabs and requires an Image object.

Each possible Rarity value is given its own color which you can specify.

With themes enabled you do not need to set the colors; they will be ignored in favor of the colors listed in the theme.

Slot Item UI



Slot Id - Id of the slot to monitor **Icon** - Shows the item's icon Name - Shows the item's Display Name **Description** - Shows the item's description **Subtext** - Shows the item's subtext **Hide If No Subtext** - Hides specified GameObject if subtext is null or empty **Prefix** - Text to display before item's count **Text** - Element to display item's count (with prefix and suffix) Suffix - Text to display after item's count **Hide if Count < 2** - Specifies GameObject to display if item's count is less than 2 **Selected** - GameObject to show when item is selected in list **Can Equip** - GameObject to show if the item can be equipped Is Equipped - GameObject to show if the item is currently equipped or stored Rarity Color Indicator - Rarity Color Indicator to bind to item Condition Slider - Slider to bind to item's condition **Custom Stat 1** - Specifies the name of the

stat to display

Stat 1 Display - Shows the specified Custom Stat's value

Hide If Stat 1 Zero - GameObject to hide if stat's value is zero

Custom Stat 2 - Specifies the name of the stat to display

Stat 2 Display - Shows the specified Custom Stat's value

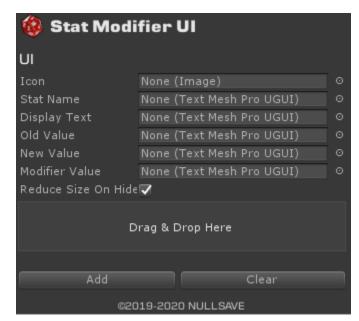
Hide If Stat 2 Zero - GameObject to hide if stat's value is zero

Tag Prefab - Specifies an Item Tag UI prefab to display for each tag in the item

Tag Container - Sets the created tag(s) parent transform

Stat Modifier UI Editor

The Stat Modifier UI, which requires Stats Cog™ to function, is used with prefabs to display the Stat Modifiers associated with an Inventory Item.



Icon - Shows the modifiers icon
Stat Name - Shows the name of the
StatValue targeted by the StatModifer
Display Text - Shows the modifiers
Display Text

Old Value - Shows the value of the StatValue without the modifier

New Value - Shows the value of the StatValue with the modifier

Modifer Value - Not currently used

Reduce Size On Hide - Not currently used

Hide On Equipped - GameObjects

dropped here will be hidden when the item is equipped.

Recipe Component UI

Representing a single crafting component

entry, the RecipeComponentUI allows you to specify how an element is displayed in a component list or other custom UI. All elements are optional, use only the ones you wish.



Item Image - Displays the InventoryItem icon
Display Name - Show the item's Display Name
Description - Shows the item's description
Subtext - Shows the item's subtext
Hide If No Subtext - Specifies a GameObject to set inactive if the item's subtext is empty or null
Count Needed - Displays the number of components required

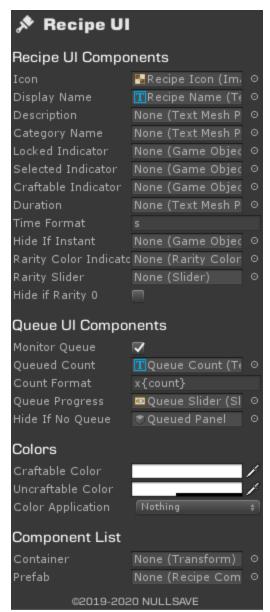
Count Available - Displays the number of components in inventory

Rarity Color Indicator - Specifies a
RarityColorIndicator to update with the item
Available Color - Color to apply when the available count is greater or equal to the required count.
Applies to Image Icon, Display Name, Description, Subtext, Count Needed and Count Available
Unavailable Color - Color to apply when the

available count is less than the required count. Applies to the same objects as Available Color

Recipe UI

Recipe UI items are used to display details about a Recipe and can be used with Recipe Lists.



Icon - Shows the recipe icon

Display Name - Shows the recipe display name

Description - Shows the recipe description

Category Name – Shows the recipe category name **Locked Indicator** – GameObject to show if the recipe is locked

Selected Indicator - GameObject to show if the recipe is selected in the list

Craftable Indicator - GameObject to show if the recipe can be crafted

Duration - TextMesh Pro object to display crafting time duration

Time Format - Format used to display crafting time **Hide If Instant** - GameObject to hide if recipe crafts instantly

Rarity Color Indicator - Object to display recipe's rarity **Rarity Slider** - Slider to display recipe's rarity

Hide if Rarity 0 - When checked color indicator and slider are hidden if rarity is zero.

Monitor Queue – If checked object will subscribe to crafting queue for the recipe and display updates

Queued Count - TextMesh Pro object used to display queued count

Count Format - Format to use when displaying queued count

Queue Progress - Slider to display queue progress **Hide if No Queue** - GameObject to hide if there are not items in the queue.

Craftable Color - Color to set display items to when the recipe can be crafted

Uncraftable Color - Color to set display items to when the recipe cannot be crafted

Container - Container to place component prefabs in **Prefab** - Prefab to instance for each component in the recipe.

Quick API Reference

AddItemToInventory	Adds an instance of an item to the local inventory. An integer value is returned of the number of that object that could not be added for space or weight reasons. This can be used to update the existing drop object (handled automatically by Lootltem)
BreakdownItem	Removes the supplied item from inventory and adds any breakdown components specified. If item is not marked as "Can Breakdown" the request is ignored, and the original item remains in inventory
Craft	Attempts to craft from either a recipe or a list of items. Returns a list of crafted items

Consumeltem	Consumes a "consumable" item. If you have Stats Cog installed this will also apply an instant effects as well.
DropItem	Drops an item from the inventory
EquipItem	Equips an item (if equipable)
GetBreakdownItems	Returns a list of items that can be broken down (you may optionally supply a list of categories to filter by)
GetCategory	Returns an instantiated copy of the Category
GetDisplayedCategories	Returns a list of Categories to be displayed
GetCraftableCount	Returns the number of times a player can craft the supplied recipe with the items currently in their inventory
GetCraftableRecipes	Returns a list of all recipes the player can currently craft with inventory on hand
GetCraftableRecipesByCategory	Gets all recipes in a list of categories the player can craft with on hand inventory
GetGroupedCounts	Returns a list of ItemReferences with the overall count of each item (including the count over multiple stacks as a single result)
GetItemByInstanceId	Used by save/load this returns a specific instance of an Inventory Item
GetItemByName	Retrieves a non-instantiated copy of an Inventory Item by its object name
GetItemTotal	Returns total count of a single object across all stacks
GetItemFromInventory	Returns the first instantiated copy of an item by its name or non-instantiated reference
GetItems	Returns a list of all items by list of categories
GetItemsWithTag	Returns a list of all items in a list of categories with supplied tag and value
GetPointByld	Returns Equip Point on character by Equip Point Id
GetPointToUse	Returns the recommend Equip Point to use for an item based on current point usage
GetRecipe	Returns first recipe that matches a list of components
GetRecipesByCategory	Returns a list of all Crafting Recipes with a specified crafting category list
GetRecipeCraftable	Returns true if Inventory contains the proper components and counts to craft supplied recipe
GetRepairable	Returns true if the supplied item can be repaired, has a condition of less than 1 and the required components are on hand
GetRepairableItems	Returns a list of all repairable items with an option to filter by list of categories
GetRepairMaxIncrements	Returns the total number of times an item can be repaired based on the inventory on hand and the items current condition
GetRepairNeededItems	Returns a list of all items needing repair (even if the items needed for repair are not available) with the option to filter by a list of categories
GetUnlockedRecipesByCategory	Returns a list of only recipes that have been unlocked, filtered by a list of categories

GetSelectedAmmo	Gets the currently selected Ammo Inventory Object based on the ammoType
InventoryStateLoad	Loads inventory from a file or stream
InventoryStateSave	Saves inventory to a file or stream
Menu Close	Closes the inventory menu
Menu Open	Opens the inventory menu
Removeltem	Removes an item from the inventory without resulting Drop or Consume
RepairItem	Repairs supplied item as much as possible with inventory on hand
SetSelectedAmmo	Set the current selected Ammo Inventory Item
StorePointByld	Returns Store Point on character by Store Point Id
TransferMenuClose	Closes the Transfer (container) menu
TransferMenuOpen	Opens the Transfer (container) menu
UITextShow	Shows the pickup UI
UITextHid	Hides the pickup UI
UnequipItem	Unequips an item
UnstorePointByld	Moves item from Store Point to Equip Point by Store Point Id
Useltem	Removes item from inventory

Change Log

Version 2022.Q2.2

Fixes

- Containers will now keep their contents when dropped
- Condition, Rarity and Value now persist on dropped objects

Version 2022.Q2.1

Changes

Updated onltemEquipped to invoke after display instancing and stats applied

Version 2022.Q2.0

Changes

- · Added ability to automatically remove item from hotbar when count reaches zero
- Added onThemeWindowOpened and onThemeWindowClosed events

Fixes

- Fixed issue where Raycast was not working on themes
- Fixed issue with recurring effects not properly removing
- Fixed editor not properly updating values at runtime

Version 2022.Q1.2

Breaking Changes

Removed obsolete support (classic non-themed UI)

Fixes

- Fixed issue with "Enable Raycast" object interaction mode
- Fixed issue with themes using "Hotbar"
- Fixed issue where correct count was not being removed when purchasing from merchant
- Fixed Headless Mode issue in Inventory Cog
- Fixed issue when trying to right a null string using [stream].WriteStringPacket

Updates

Inventory Loadouts add-on can now be on a child object of Inventory Cog

- Added "PUN Relative Path" to Category, provides relative path from "Resources" directory, allowing subfolders for orginization
- Removed prompts to add InventoryDB to scene (replaced with a button)
- Added "Share Tag" to Inventory Lists
- Removed obsolete support
- Added checks for "IsConnectedAndReady" when using Photon PUN
- Added "Item References" option to Loot Drop (as opposed to using prefab LootItems)
- Added automatic binding to "Shared Tag" for inventory lists & currency monitor
- Added Show/Hide UI methods to Inventory Theme
- Added PhotonView property to Inventory Cog when using Photon PUN (prevents loading when object is remote)

Version 2022.Q1.0

Changes

- Added Photon PUN support
- Added Save/Load ability to Loadouts
- Updated Inventory Loadouts editor
- Added "Rebind" button Skinned Equip Point

Fixes

• Fixed vendor issue where correct count was not being removed from vendor inventory when buying multiple items

Version 2021.2f.0

Changes

- Hotbar Add-On now available (InventoryHotbar)
- Loadout Add-On now available (InventoryLoadouts, replaces previous loadouts)
- Added "Crafty" theme (demos Hotbar, Item UI Tags)
- Added "Allow Hotbar" to InventoryItem
- InventoryCog now lists InventoryAttackManagers attached to object (AttackManagers)
- Added "Category" to ItemTag
- Added tooltips for InventoryCog
- Updated InventoryCog Editor UI
- Retired "Inventory DB Editor Window"
- Added ability to restrict categories in Tag List on Detail UI
- Added ability to include parsed equations in tag data (example "+{{Attack + Level + 10}})
 attack")
- Added "Unlocked" properties to Inventory Item
- Added "Description" to Inventory Merchant
- Added "Merchant Description" to Merchant Menu UI
- Added "Include Attachments" to Tags section of Item Detail UI

- Added "Hide When Attached" to Item Tag UI
- Added tooltips to several components
- Editor tweaks
- Added "Container Name" to ContainerMenuUI
- Added Consumable related events to InventoryListMonitor
- Removed "Stats & Effects Editor"
- Added ValidateExpression to StatsCog
- Removed Debug view from StatsCog
- Added tooltips for StatsCog
- Updated StatsCog Editor UI
- Added custom editor for Effects List
- Added ability to filter Effects List by category

- "Auto Use" is now properly grouped in editor
- EquipPoint now correctly invokes InventoryCog's onItemUnequipped event
- InventoryListMonitor now subscribes to InventoryCog events for better context updating
- Updated MenuOpen and MenuClose to work with Themes
- Added ClearUI method to Inventory Cog
- Fixed issue where theme would allow same window to be opened multiple times
- Updated to work with negative values

Version 2021.0f.0

Changes

- Added the ability to require stats-based condition to loot drops
- Added "Hide if Condition 1" to Item UI
- Added IPointerClickHandler to Item UI, Event Listener no longer needed for clicks
- Added public Close method to Inventory Menu UI
- Added "Themes" to Inventory Cog for quicker UI setup
- Created multiple prefab themes for use
- Added "Prompt" to Count Selection UI
- Added "Override Name" and "Override Action" to LootUI for use with Themes
- Added Item Manager Menu UI
- Added Item Context Actions
- Added Item Text and Item Text Append components
- Added Weight and Value to Item UI
- Added Repair Components to Item UI
- Updated Inventory Component UI to allow direct loading from items
- Added onStoredItemAdded and onStoredItemRemoved events to InventoryItem
- Improved how remove item deals with stacks
- Added StoreAllWithMaxRarity method to ContainerMenuUI
- · Added ability to unlock Categories, Crafting Categories and/or Recipes by using an item

- Added ability to mark items as "Auto Use"
- Crafting Categories are now instanced per Inventory Cog
- Crafting Categories & Recipes can now be marked as "Unlocked"
- Added Crafting Area component
- Added Craft Menu UI
- Added Craft Detail Menu UI
- Added Player Preview UI
- Updated sorting to use Ling
- Added Craft Queue Scroll List
- Added Craft Oueue UI
- Reduced code duplication
- Added Item Tooltip UI
- Added Merchant Context Actions
- Updated Merchant Menu to set value modifiers on Item Lists to reflect proper pricing
- Removed need to set Line Height in Item Scroll List
- Removed need to set Slots Per Page on Categories
- Added BlindItemList, BlindItemScrollList, BlindItemScrollGrid components
- Added "Empty Icon" to Equip Point UI and Skill Slot UI
- Added "Require Can Drop" to additional filters on item lists
- Added ability to specify a background for when no item is loaded in Item UI
- Active ammo can now be set by calling Equip for the ammo
- Added Projectile Weapon component
- Added Projectile to Inventory Item (ammo type items only)
- Added Ammo Icon and Ammo Count Format to EquipPointUI
- Added onItemAmmoChanged event to EquipPoint
- Added StatEffectUI and StatEffectListUI components
- Added editor for StatEffectUI

- Fixed SkillSlotUI applying skill incorrectly
- Fixed issue where Increment Cost was not being used during repairs
- Fixed issue where Component List was not displaying repair items properly
- Categories now properly save/load unlocked state
- Fixed issue where lists with multiple categories didn't properly honor sort
- Fixed issue where adding to inventory when you didn't have the space wouldn't always spawn the correct drop count
- Fixed issue with equipping to already used spot when item has multiple possible equip points
- Fixed issue where having Game Cog installed broke input if Game Cog was not present in scene
- Fixed issue where RemoveItem would spawn drop when removing more than 1 stack of item
- Fixed issue where equipping to Skinned Equip Point reset animator values or other equip objects
- Fixed issue where ammo count wasn't being updated in EquipPointUI
- Fixed damage modifiers not being applied properly

Breaking Changes

- Remove V1 UI properties, only affects projects prior to v1.8 that not already been updated
- Retired older demos

Version 1.12

Key New Features

- Added ability for player to give items custom names
- Added name modifiers to attachments
- Added skill slots
- Added support for loadouts

Updates

- Added support for auto creating attachment prefab
- Added "Always Fill Page" option when using "All Available" page mode in Item Grid
- Added "Inventory List Monitor" component, useful for updating UI command options
- Improved menu and prompt behavior
- You can now specify an offset for objects to spawn when dropped (default: 0, 1.5, 2)
- Added ItemContainerMenuUI component
- Added "Item Container UI" to item lists
- Added OpenItemContainer method to item lists
- Added InventoryItemScrollGrid component
- Added "Exclude Containers" to item lists filtering section
- Added "Enable Drag and Drop" to Item UI and Slot Item UI
- Added Sort UI component
- Improved Attachments and Attachment UI

Fixes

- Fixed error with Inventory DB Editor when first opening
- Corrected rebinding issue on Skinned Equip Points
- Corrected display issue with Show Locked Slots on Item Grid
- Fixed issue where on Selection Changed didn't always fire for Item Grids
- Corrected SetDetail issue on Item Scroll List when a null item is selected
- Corrected issue where Item Scroll List did not show details after hiding on a null item
- Fixed Stat Name and Modifier Value not being populated on Stat Modifier UI
- Fixed issue where in certain cases an item could be equipped to multiple slots at the same time
- Corrected issue with Equip Point UI not properly reflecting unequip

Version 1.11

Major Improvements

- Added Attachments
- Added Effects to Inventory Items & Attachments
- Stats Cog now included!

Updates & Fixes

- Added PromptUI
- Updated Store Point gizmo to reflect rotation
- Made Spawn Drop Manually into a dropdown call Spawn Drop (Automatic, Manual)
- Editor improvement
- Added "Refresh from Project" button to Inventory DB
- Top level Equip Object has location & rotation reset on equip
- Hierarchy Icons can now be enabled/disabled from Tools/NullSave menu
- Added ability to select Category with a click/tap
- Added Locked Indicator to ItemUI
- Added "Show Locked Slots" to Inventory item Lists
- Fixed "Hide Selection When Locked" on Item Grid

Breaking Changes

- Inventory Cog PickupUI, ContainerUI, MerchantUI is now required to be a PromptUI
- Removed useAutoPickup (replaced by Automatic option in Pickup Mode)
- Removed Stat Modifiers (use Stat Effects)
- Removed Custom Stats (use Stat Effects)
- Save/Load not backwards compatible

Version 1.10

Improvements

- Updated support for Game Cog
- Corrected issues with Display Recipe in UI

Version 191

- Added DLC support
- Added Icon to Recipe UI's editor
- Added Rarity to Recipe

- Added Rarity Slider & Color Indicator to Recipe UI
- Added Secondary Color to Recipe Component UI
- Added SetRarity(int) method to RarityColorIndicator
- Added null check to AddToInventory in InventoryCog
- Added ability to auto-load Inventory DB at runtime
- Added ability to Inventory DB to auto-create instance
- Updated save file version to 1.4 to support new abilities

Version 1.9

Improvements

- Removed ActivateByTag option to MenuOpenType enum
- Added null check for CraftingRecipe unsubscribe
- Updated InventoryMenuUI to try and find InventoryCog on "Player" tag if no inventory supplied
- Added empty checks to InventoryItemGrid navigation
- Added onZeroCount event to ItemUI
- Added Display Recipe to Inventory Item (UI section)
- Added Recipe UI to ItemUI and ItemDetailUI

Fixes

 Corrected issue where consuming an item to zero count would not remove from UI until UI was reopened

Version 1.8

Improvements

- Updated classes with OnTriggerEnter2D and OnTriggerExit2D methods
- Added welcome screen
- Removed DataStore from Shared
- Made EquipPoints property public in Inventory Cog
- Added RigFallback to Skinned Equip Point
- Added TakeAll method to InventoryContainer
- Removed InventoryCog parameter from InventoryContainer.StateLoad
- Added GetEquipPoint method to InventoryCog
- Added onColliderEnabled and onColliderDisabled events to DamageDealer
- Added 2D support to DamageDealer
- Added onTakeDamage to DamageReceiver
- Updated base TakeDamage method on DamageReceiver

Version 1.7

Improvements

- Added ValueSource enum (Static, StatValue)
- Added BooleanSource enum (Static, StatExpression)
- Added StatValue options for Max Slots and Unlocked Slots to ItemCategory
- Added StatsCog, MaximumSlots, and UnlockedSlots properties to ItemCategory
- Made StatsCog reference in InventoryCog public
- Added StatValue options for Value and Success Chance to Crafting Recipe
- Added GetValue and GetSuccessChance methods to Crafting Recipe
- Added InventoryCog property to Inventory Item
- Added Initialize method to Inventory Item
- Added CanEquip, CanRepair and CanBreakdown properties to Inventory Item
- Added BooleanSource options for Can Equip, Can Repair, and Can Breakdown to Inventory Item
- Added FirstCrafted, LastCrafted, SuccessCount and FailCount variables to Crafting Recipe
- Added StateSave and StateLoad methods to Crafting Recipe
- Added new Crafting Recipe items to save/load (backwards compatible)
- Added Initialize method to Crafting Recipe
- Added InventoryCog property to Crafting Recipe
- Added BooleanSource option for Unlocked to Crafting Recipe
- Added DisplayInList to Crafting Recipe (with support for BooleanSource)

Version 1.6

- Added Pickup, Container and Merchant raycasting
- Added ammo info to Equip Point UI
- Added GetEquippedAmmoCount to InventoryCog
- Updated EquipPoints to set damage dealer parent automatically (if StatsCog installed)
- Added craftTime (Instant, GameTime, RealTime) to Crafting Recipe
- Added craftType (Create, Upgrade) to Crafting Recipe
- Added craftSeconds to Crafting Recipe
- Added CraftingQueue to InventoryCog
- Added value to Crafting Recipe
- Added GetQueuedCount method to InventoryCog
- Added GetQueuedFirstProgress method to InventoryCog
- Added save/load support for CraftingQueue (backwards compatible)
- Added onCraftQueued event to InventoryCog
- Added onQueuedCraftComplete event to InventoryCog
- Added CompleteQueuedRecipe method to InventoryCog
- Added SlotItemUI MonoBehaviour (based on ItemUI)
- Added new "Cute Crafting" demo
- Added IsSlotIdUsed method to InventoryCog
- Added GetFirstFreeSlotId method to InventoryCog
- Added SlotId info to debug view

- Added Color Application to RecipeUI
- Added Crafting Categories to Inventory DB
- Updated Recipel Item Grid to load all categories if no list supplied
- Added Crafting Category List MonoBehaviour
- Added ItemCanUpgrade to InventoryCog
- Added Component Type (Standard/Advanced) to Crafting Recipe
- Added Advanced components to Crafting Recipe (set minimum condition/rarity levels)
- Added overload to GetItemTotalCount with minCondition & minRarity parameters
- Added Condition/Rarity sliders to Component UI
- Added Condition/Rarity sliders to Recipe Component UI
- Added Rarity slider to Item UI
- Added ActionRaycastTrigger and ActionRaycastTarget MonoBehaviours
- Added Currency to InventoryCog (added to save/load, backwards compatible)
- Added Inventory Merchant MonoBehaviour (supports save/load)
- Added InventoryMerchant to ListSource enum
- Added Merchant to InventoryItemList
- Added set to InventoryItemScrollList.SelectedItem property

- Fixed issue in Animator Mods where int and floats were being swapped
- Fixed error on InventoryItemScrollList when trying to select/unselect on null list

Breaking Changes

 Crafting Recipe's Category string has been replaced with a Scriptable Object that contains Display Name, Description, Icon and Display Category

Version 1.5

Improvements

- Added Drag & Drop support to Inventory Container editor
- Added scroll view to Inventory Container editor
- Updated editor scroll views to automatically scroll to bottom when adding a new items
- Added filtering to Category List
- Added Component list items to Recipe UI (allows you to show components on same item as recipe)

Fixes

- Updated Recipe List "Craft" methods to ignore requests for Locked recipes
- Fixed Quaternion save issue

Version 1.4

- Updated SkinnedEquipPoint to support multiple skinned meshes on a single object
- Added Recipes property to InventoryCog
- Added useAutoPickup to InventoryCog
- Added debug view to InventoryCog
- Added GetGroupedCounts to InventoryCog
- Added GetItemsWithTagValue to InventoryCog
- Added optional spawnDrop=true parameter to DropItem in InventoryCog
- Added CraftingFailed event to InventoryCog
- Added Container section to InventoryCog
- Added Removeltem method to InventoryCog
- Added Breakdown Category to InventoryItem
- Added CustomTags to InventoryItem
- Added GetCustomTag to InventoryItem
- Added SetCustomTag to InventoryItem
- Added Preview Object and Preview Scale to InventoryItem
- Added freeSlotWhenEquipped to InventoryItem
- Added successChance to CraftingRecipe
- Added failed result to CraftingRecipe
- Added failResult to CraftingRecipe
- Replaced InventoryMasterList scriptable object with InventoryDB monobehaviour (InventoryMasterList still exists for easy transfer)
- Moved recipes list to InventoryDB
- Added scroll views to long lists in editors
- Added IsLocked property to BasicCamera
- Updated InventoryStateLoad to check if file exists
- Updated InventoryCog.Craft overload to accept addToInventory and removeFromCounts optional parameters
- Updated BasicPersonController to set input to zero when input locked
- Added InputLocked to BasicCamera
- Updated BasicCamera to prevent movement while locked
- Corrected a wait for zero glitch in UIGrid navigation
- Completely redesigned UI list and grid components
- Added filtering by categories and tags to new List and Grid components
- Added CustomTagFilter object for use with new UI components
- Added Vertical and Horizontal properties to Padding (get)
- Added ContainerMenuUI MonoBehaviour
- Added Display Name to InventoryContainer
- Added TransferMenuOpen and TransferMenuClose methods to InventoryCog
- Added TriggerByButton and TriggerByKey to shared scripts
- Added PaddingDrawer to shared
- Fixed issue where SkinnedEquipPoint would fail if bone order different between source and target
- Added SkinnedBoneRemapper MonoBehaviour
- Added ClearItems method to InventoryContainer
- Added ItemMenuUl and ItemMenuClient MonoBehaviours
- Added RecipeUI MonoBehaviour
- Added CountSelectUI MonoBehaviour
- Added InventoryComponentList MonoBehaviour

- Added Condition Slider to ItemUI
- Updated save/load to include custom stats & tags (backwards compatible)
- Added MessageList MonoBehaviour to Shared
- Added MessageListItem MonoBehaviour to Shared
- Added InventoryMessageListClient MonoBehaviour
- Added Hide if Count < 2 to ItemUI
- Added Rarity Indicator to ItemDetailUI
- Added ItemPreviewUI MonoBehaviour
- Added Item Preview to ItemDetailUI
- Added RecipeItemGrid MonoBehaviour

- Corrected issue when attempting to equip null item
- Fixed load issues in InventoryCog
- ItemsUI replaced by InventoryItemList
- Item Description now shows up on Item UI editor

Breaking Changes

- ItemsGridUI replaced by InventoryItemGrid
- InventoryScrollListUI replaced by InventoryItemScrollList

Version 1.3

Improvements

- Added RarityColorIndicator MonoBehaviour
- Added RarityColorIndicator to ItemUI
- Added onLoadedItem event to ItemUI
- Added EquipPointUI MonoBehaviour
- Added freeSlotWhenEquipped to InventoryItem
- Added GetCategory to InventoryCog

Fixes

Fixed compatibility issue with Stats Cog

Version 1.2

- Lowered minimum version to 2018.4.0fl
- Moved Category from UI view to General view for Inventory Item
- Added custom editor for Inventory Container

- Fixed expand/collapse issue with category groups
- Fixed onClick display on Item UI

Version 11

Improvements

- Updated demos with Item Detection (Demo 1) and Storage Transfer (Demo 2)
- Added Custom Stats list to Inventory Item
- Added version number to save file to prevent future breaking changes
- Added GetCustomStatValue and SetCustomStatValue to InventoryItem
- Added InventoryMasterList to make it easier to use multiple Inventory Cog instances
- Added Container item type and associated behavior to InventoryItem
- Added InventoryContainer for chests, boxes, etc
- Added TriggerOnHasItem MonoBehaviour
- Added onLoot event to LootItem
- Added GetItems to InventoryCog
- Added AnimatorMods to InventoryItem

Fixes

- Removed unused Shared directory items
- EquipPoint events will now fire correctly

Breaking Changes

- Removed damageMod and healthMod properties from InventoryItem
- Removed availableCategories and availableItems from InventoryCog, replaced by masterList
- Save/Load format changed, old saved data will not load