

Taylor Made Code Core Documentation

About Taylor Made Code Core

This script was made to quickly and easily fit into any project as well as to be used by anyone at any skill level. This is achieved by the use of UnityEvents (A method to call code via GUI), this is the same system the base UI button use for on click.

Using Taylor Made Code Core

Taylor Made Code core is a collection of required scripts for other taylor made code assets. Thus is not meant to be used by the end user. Taylor Made Code Core is meant to just been installed so the other required scripts can be used.

Technical details

Requirements

- Taylor Made Code Core is compatible with unity Versions:
 - 2021.3 and later

Known limitations

- Taylor Made Code Core Version 2.1.0 includes the following issues:
 - No support for HDRP Render Pipeline.

Package Content

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art	Folder Containing all Art Assets
Taylor Made Code/Taylor Made Code Core/Art/Fonts	This folder contains all .ftt font files used for the custom editor system
Taylor Made Code/Taylor Made Code Core/Art/Fonts/LICENSE.txt	License for the ROBOTO font.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_BLACK.ttf	Standard ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_BLACK_ITALIC.ttf	Standard Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_BOLD.ttf	Bold ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_BOLD_ITALIC.ttf	Bold Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_ITALIC.ttf	Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_LIGHT.ttf	Light ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_LIGHT_ITALIC.ttf	Light Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_MEDIUM.ttf	Medium ROBOTO font ttf File.

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_MEDIUM_ITALIC.ttf	Medium Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_REGULAR.ttf	Regular ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_THIN.ttf	Thin ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Fonts/ROBOTO_THIN_ITALIC.ttf	Thin Italic ROBOTO font ttf File.
Taylor Made Code/Taylor Made Code Core/Art/Materials	This folder contains all materials used in demo scenes
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors	Folder contains twenty two materials of colors that will be used in demo scenes
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Apricot.mat	Apricot Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Beige.mat	Beige Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Black.mat	Black Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Blue.mat	Blue Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Brown.mat	Brown Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Cyan.mat	Cyan Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Gray.mat	Gray Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Green.mat	Green Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Lavender.mat	Lavender Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Lime.mat	Lime Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Magenta.mat	Magenta Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Maroon.mat	Maroon Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Mint.mat	Mint Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Navy.mat	Navy Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Olive.mat	Olive Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Orange.mat	Orange Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Pink.mat	Pink Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Purple.mat	Purple Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Red.mat	Red Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Teal.mat	Teal Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_White.mat	White Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Standard Colors/TMC_Yellow.mat	Yellow Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors	Folder contains twenty two transparent materials of colors what will be used in demo scenes
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Apricot_Transparent.mat	Transparent Apricot Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Beige_Transparent.mat	Transparent Beige Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Black_Transparent.mat	Transparent Black Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Blue_Transparent.mat	Transparent Blue Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Brown_Transparent.mat	Transparent Brown Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Cyan_Transparent.mat	Transparent Cyan Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Gray_Transparent.mat	Transparent Gray Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Green_Transparent.mat	Transparent Green Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Lavender_Transparent.mat	Transparent Lavender Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Lime_Transparent.mat	Transparent Lime Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Magenta_Transparent.mat	Transparent Magenta Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Maroon_Transparent.mat	Transparent Maroon Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Mint_Transparent.mat	Transparent Mint Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Navy_Transparent.mat	Transparent Navy Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Olive_Transparent.mat	Transparent Olive Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Orange_Transparent.mat	Transparent Orange Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Pink_Transparent.mat	Transparent Pink Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Purple_Transparent.mat	Transparent Purple Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Red_Transparent.mat	Transparent Red Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Teal_Transparent.mat	Transparent Teal Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_White_Transparent.mat	Transparent White Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Materials/Transparent Colors/TMC_Yellow_Transparent.mat	Transparent Yellow Colour Material that will be used in current and future Demo Scenes for other Taylor Made code assets
Taylor Made Code/Taylor Made Code Core/Art/Sprites	This folder contains all the sprites used as background to the custom UI elements. This allows effects like the drop shadows and other visual effects that would not be possible by not having the files
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_CORE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_JOYSTICK_BACKGROUND.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_JOYSTICK_SELECTOR.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_LOGO.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_ARROW_RIGHT.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_OPTION_BODY.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_OPTION_BODY_HEADER_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_SCRIPT_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_TITLE_HEADER_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_TITLE_OPTION_BUTTON_SELECTED.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DARK_TITLE_OPTION_BUTTON_UNSELECTED.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_DOCUMENTATION.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LANGUAGES_SELECTOR.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_OPTION_BODY_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_OPTION_BODY_HEADER_BASE.png	This Sprite is used by the TMC editor system.

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_SCIRPT_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_TITLE_HEADER_BASE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_TITLE_OPTION_BUTTON_SELECTED.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_LIGHT_TITLE_OPTION_BUTTON_UNSELECTED.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_MINUS.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_PAUSE.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_PLAY.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_PLUS.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_RANDOM_PLAY.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_REFRESH.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_STOP.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Art/Sprites/TMC_UI_TUTORIAL_VIDEOS.png	This Sprite is used by the TMC editor system.
Taylor Made Code/Taylor Made Code Core/Demo/DemoScene - Textures.unity	Scene laying out all the materials applied to cubes laid out in a grid fashion for you to quickly view all materials in this asset
Documentation/Documentation.pdf	Contains information about the Asset (About the Script, How to use the script, Requirements, Known limitations and technical documentation)
Documentation/Documentation.md	This is the markdown file that contains the same information as the Documentation.pdf file
Editor	Editor Directory where editor only scripts reside.
Editor/Taylor Made Code.Core.Editor.asmdef	Assembly definition for the editor scripts

File Directory	Description
Editor/TMC_Swap_Out_Model_Add_Scripts_Editor.cs	Custom editor file for the TMC_Swap_Out_Model_Add_Scripts file.
Prefabs	Deretory that all prefabs are located within.
Prefabs/Build Demo Buttons.prefab	Prefab that attaches hidden button to to allow all demo scenes to be build and exited via tab and clicking exit.
Taylor Made Code/Taylor Made Code Core/Scripts	Folder that contains all Scripts
Taylor Made Code/Taylor Made Code Core/Scripts/Taylor Made Code Core.asmdef	Assembly definition file for Taylor Made Code to improve organization and code compilation speed
Taylor Made Code/Taylor Made Code Core/Scripts/TMC.cs	TMC.cs handles non editor specific functionality
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Button_Functions.cs	This script is used demo scenes and contains a bunch of useful functions like pausing time, exiting the app ect
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Editor.cs	This file handles the Custom Editor system all Taylor made code assets
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_IObject.cs	This is the default interface the both TMC_ScriptableObject and TMC_Monobehaviour
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Monobehaviour.cs	This is Taylor Made Codes custom version of Unity's Monobehaviour
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_PreLoaded_Assets.cs	This is the file that handles loading all assets needed for TMC Editor scripts
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_ScriptableObject.cs	This is Taylor Made Codes custom version of scriptable object
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Swap_Out_Model_Add_Scripts.cs	This script is used by Normal AI (Patrol) to copy all components from one gameObject to Another.
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Tree_Node.cs	This is file that makes up our custom editor system
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_Utils.cs	This file contains utility code that is used in all of our products
Taylor Made Code/Taylor Made Code Core/Scripts/TMC_UXML.cs	This file contains a class critical to the TMC Custom editor system
Taylor Made Code/Taylor Made Code Core/Scripts/UI	UI folder to contain UI class, uss and UXML
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Script/	Folder that contains all UI scripts

File Directory	Description
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Scripts/TemplateForUI.cs	This is a template file that can be used as a base to make more TMC_UXML classes
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Scripts/TMC_List.cs	This is a class that is used to make the TMC_List UI function
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Scripts/TMC_Option_Body.cs	This is the class that is used to make the Option Body UI elements
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Scripts/TMC_Setup_Script.cs	This is the class that is used to make the TMC Setup Script UI element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/Scripts/TMC_Title.cs	This is the class that is used to make the TMC Title UI element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/USS/	Folder that contains all the USS files
Taylor Made Code/Taylor Made Code Core/Scripts/UI/USS/TMC_Option_Body.uss	The Stylesheet used for the Option Body UI element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/USS/TMC_Setup_Script.uss	The Stylesheet used for the Script Setup Script UI Element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/USS/TMC_Title_Bar.uss	The Stylesheet used for Title Bar UI Element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/USS/TMC_USS.uss	The default USS used for any UI elements made via TMC_Editor System
Taylor Made Code/Taylor Made Code Core/Scripts/UI/UXML/	Folder that contains all the UXML files
Taylor Made Code/Taylor Made Code Core/Scripts/UI/UXML/TMC_Option_Body.xml	UXML file for the TMC Option Body UI element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/UXML/TMC_Setup_Script.xml	UXML file for the Setup Script UI element
Taylor Made Code/Taylor Made Code Core/Scripts/UI/UXML/TMC_Title_Bar.xml	UXML file for the title bar UI element

Functions

None of the scripts should be used directly by the end user, and are only used by other Taylor Made Code Scripts.

- **Functions**

All functions for TMC.cs and TMC_Editor.cs will be covered in the documentation for the individual scripts.

- Functions in Copy Components Script

Scope	Return Value	Name	Parameters	Description
public	void	StartFunction	N/A	Function not used, but is required for TaylorMadeCodes internal custom editor system

Scope	Return Value	Name	Parameters	Description
public	void	SetupScript	N/A	Function not used, but is required for TaylorMadeCodes internal custom editor system
public	void	RemoveScript	N/A	Function not used, but is required for TaylorMadeCodes internal custom editor system
public	void	SwapWithAnotherObject	N/A	Function swaps all components from gameObject in GameObjectToSwapWith, into the GameObject that the script is attached too and then deletes its self
public	void	SetupThisGameObject	N/A	Function adds the basic minimum to the object to render a cube. (No materials are added so the cube will be pink)

• Variables

All variables for TMC.cs and TMC_Editor.cs will be covered in the documentation for individual scripts.

- Variables in Copy Components Script

Scope	namespace	Data Type	Name	Description
public	TaylorMadeCode	ScriptOptionData	SwapWithAnotherGameObject	This variable contains information about the SwapWithAnotherGameObject feature for the custom inspector
public	TaylorMadeCode	ScriptOptionData	KeepThisGameObject	This variable contains information about the KeepThisGameObject setting for the custom inspector
public	TaylorMadeCode	GameObject	GameObjectToSwapWith	This is the GameObject that the script will copy components from. This is only used when SwapWithAnotherObject is called.

Document / Code Revision History

Date	Reason
06/01/2022	Initial Creation
25/02/2022	Addition of documentation for the newly add Tmc_Copy_Component.cs

Date	Reason
12/08/2023	Updated to match the new changes done for v2.0.0. The code is a complete overhaul of the Taylor Made Code backend system. Some of the major changes, Swapped the UI system from the Dear ImGui derived system to the new Unity UI Toolkit. Also altered the code to use an abstraction layer. In plain english, we can now update and fix issues without having to update all other of our scripts at the same time. Meaning you get faster and more regular updates! In this update we have also added some default plain color materials that can you used by you and will be use in our other scripts demo scenes.
29/10/2023	Update to documnt and code to improve the V2.0.0 version of core. The New version is V2.1.0 and now TMC core supports Scriptable Objects for an upcoming new asset. Also Improved the TMC Core code to be over multiple files and namespaces to improve performance and readability