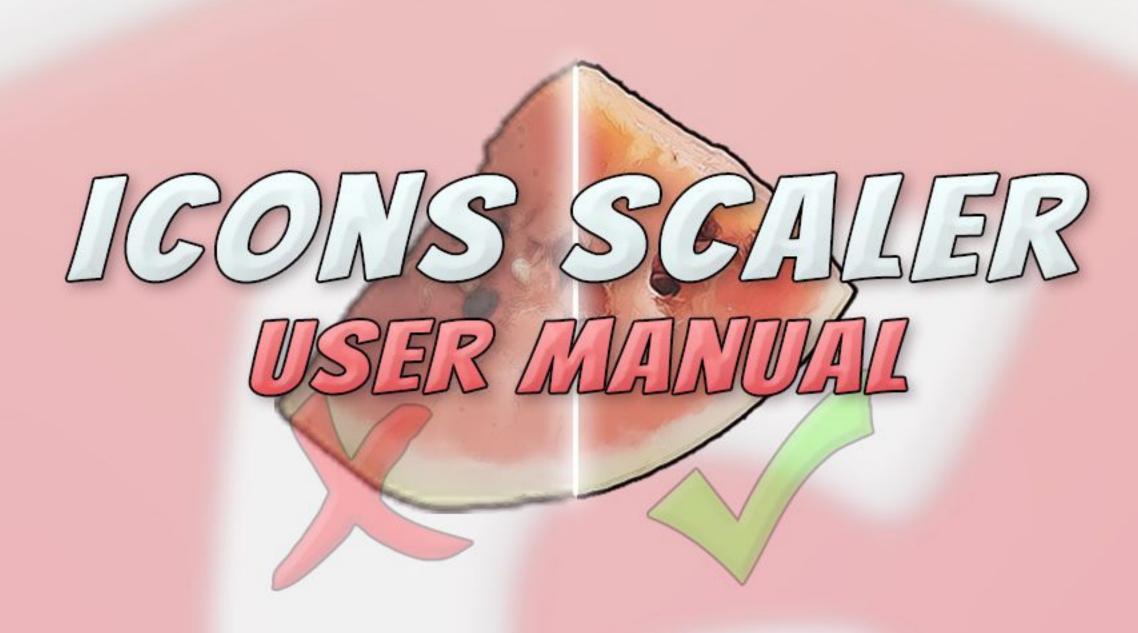
FINDOSSIBLE GAMES



7. BASE KNOULEDGE 2. USING IGONS SCALER 3. BONUS TOOLS

MIRODUGIONE

ICONS SCALER IS SYSTEM WHICH IS LOADING SPRITES, RESCAUNG THEM WITH SMART ALGORITHM AND MANAGING MEMORY.

IT'S DEDICATED TO USE WITH UI IMAGES.

YOU GAN GROOSE IMAGE FILES TO BE RESCALED AND USED AS SPRITES BY PROUDING PATH TO STREAMING ASSETS, ONLINE ADRESS, RESOURGES DIRECTORY PATH OR PROUDING TEXTURE FILE FROM PROJECT'S ASSETS DIRECTORY.

SUPPORT FOR ADDRESSABLES IS ALSO PROVIDED, JUST IMPORT ADDRESSABLES SYSTEM TO YOUR PROJECT

UF YOU WILL LIKE THIS PAGMAGE PLEASE WISH PAGE ON ASSET STORE AND RATE OR WRITE REVIEW D



7/3-BUSE MOMEROGE

ICONS SCRIER IS LOADING TEXTURE FILES AND USING THEM TO GENERATE SCALED SPRITES. FOR EXPLIPIE VOU GIN USE ONE FILE IN 256X256 SIZE IGONS SCRIER CAN GENERATE DIFFERENT, CREAT LOOKING SPRITES IN DIFFERENT DIMENSIONS UNTE SEXES OTHER IN CONGO OTHER IN TRONTGO



FOR EAGH ICON SIZE, THERE IS CENERATED ONE SPRITE, THEN UI IMACES CAN USE THIS ONE SPRITE IN A SHARED WAY.

ON THE LEFT - GENERATED SPRITE IN SOUSO FROM 512X512 SOURCE FILE ON THE RICHT - UI SCILLED STRIFTE FILE

IGONS SCRUER SYSTEM IS MANAGING MEMORY IN EFFICIENT WAY. YOU GAN DEFINE HOW MUGH MEMORY GAN BE USED UNTIL NOT USED SPRITES SHOULD BE UNIONDED. KEEPING NOT USED SPRITES IN MEMORY IS IMPORTANT BEGNUSE WHEN FOR EXIMPLE YOU GLOSE AND OPEN WHOLE INVENTORY WINDOW FEW TIMES IN ABOUT MINUTE, SPRITES WILL NOT NEED TO REALOAD EAGH TIME BUT WILL BE WEVED RIGHT AWAY.

WITH DEBUGGING WEW YOU GAN EASILY GHEGK WHAT IS GOING ON WITH YOUR LONDED SPRITES AND TEXTURES, HOW MANY MAGES ARE USING GERTAIN SPRITES AND HOW MUGH MEMORY THEY TAKE

YOU GAN DEFINE IF IMAGES WITH UNAGTIVE CAME OBJECTS SHOULD BE TREATED AS NOT NEEDED THEN UNLOADED WHEN MEMORY UMIT IS EXCEEDED AND LOADED AGAIN WHEN CAME OBJECT DECOMES ACTIVE ACAIN.

YOU DON'T NEED TO READ THIS IF YOU'RE NOT GURIOUS

EAGH TEXTURE CONTAINER HAVE OWN ID STORED AS HASH OF IT'S PATH TO TEXTURE FOR MANAGER TO QUIGNLY NAWGATE BETWEEN THEM AND TO IDENTIFY THEM WHEN NEEDED.

TO QUIGNLY NAUGATE AND IDENTIFY THEMS

TO CENERATE SPRITE, ALCORITIN NEEDS TEXTURED DATA WITH READ/WRITE ENABLED, THIS OPTION IS TANTIC MORE MEMORY BUT AFTER WE CET PINEL ARRAY OF TEXTURE, SYSTEM IS UNIOADING TEXTURE

WITH READ/WRITE ENABLED SO WE USE LOWEST AMOUNT OF MEMORY.

EAGH SPRITE HAVE OWN ID FOR IT'S TEXTURE CONTAINER

Draw Details Containers Sprites cloaks.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 14 gloves.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 15 ingots.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 16 Loaded book.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 17 Unloaded | RPG_inventory_icons/book.PNG | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 helmets.png 54x54 F: Silinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 18 oaded f.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 19 oaded coins.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 20 apple.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 21 boots.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 22 Loaded necklace.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 23 Unloaded | RPG_inventory_icons/necklace.PNG | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 shield.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 24 Unloaded | RPG_inventory_icons/shield.png | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 Loaded sword.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 25

WHEN LOADING TEXTURE WHICH DON'T HAVE READ/WRITE ENABLED (ONLY WHEN LOADING FROM RESOURCES OR ASSETS FOLDER TEXTURE FILE) WE RENDERING READING TEXTURE WITH RENDER TEXTURE CENTING PIXELS ARRAY THEN UNIONDING RENDERED TEXTURES



2/3-USING ICONS SCALER

TO USE IGONS SCRIER, ADD FIGONS_MANAGER COMPONENT TO NEW EMPTY GRADE OBJECT ON THE SCENE.

TO GENERATE SPRITE IN NEW SIZE YOU GAN USE FIGURS_LOADER COMPONENT, OR YOU GAN LOAD EVERYTHING FROM GODE WITH METHODS WITH

```
USING ICONS SCALER NAMESPACE

IMAGE TO WHICH WILL BE ASSIGNED NEW SPRITE

void Start ()

PATH TO STREAMING ASSETS

It also can be any number like 60

int imageSize = (int)myUIImage.rectTransform.sizeDelta.x; // Size of UI image

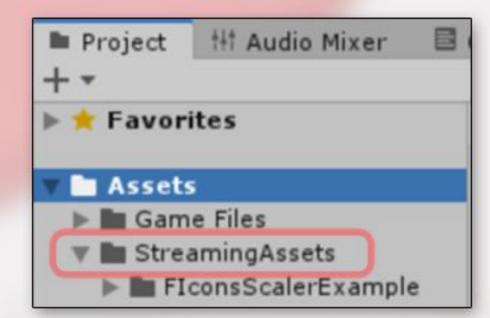
Ficons_Manager.Get.LoadSpriteManaged("FiconsScalerExample/Mask 1.png", myUIImage, imageSize);

REQUESTING IMAGE TO BE LOADED
```

ICONS MANAGER WILL TAKE GARE OF THE REST.
TO UNLOAD IMAGE YOU DESTROY GAME OBJECT WITH IT, OR DISABLE IT IF YOU DEFINED TO UNLOAD DEAGTIVATED OBJECTS IN ICONS MANAGER INSPECTOR WINDOW.
(IMAGES WILL BE UNLOADED WHEN MEMORY USE LIMIT EXGEEDS)

TO BE ABLE TO LOAD FROM STREAMING ASSETS, YOU NEED TO HAVE STREAMINGASSETS DIRECTORY INSIDE YOUR ASSETS FOLDER, AFTER MAKING BUILD UNITY IS AUTOMATIGALLY MOVING FILES FROM THIS DIRECTORY TO BUILD DIRECTORY.

WITH LOADSPRITEMANAGED OF METHOD YOU GAN DEFINE FROM WHERE YOU WANT TO LOAD TEXTURE. GLOOSE IMAGE TO WHIGH SPRITE SHOULD BE ASSIGNED AFTER LOADING SUGGESS. DEFINE DESIRED WIDTH AND HEIGHT OF SPRITE. DEGDE IF USE OR NOT ANIMATION WHEN SPRITE IS BEING GENERATED.



STREAMING ASSETS FOLDER IN ASSETS DIRECTORY OF THE PROJECT

FILTER OPTION IS UNITY'S WAY TO WEW IMAGES

WITH POINT YOU GET SHARPEST LOOK BUT WHEN YOU

MOVE IMAGE IN WEW SLOWLY, MOTION WILL BE USS SMOOTH THAN

WHEN YOU USE BUINEAR OR TRUNEAR, ALSO THIS TWO OPTIONS

ARE NIGE WHEN YOU NEED TO SCALE SPRINE A BIT AFTER RESCAUNG WITH

IGONS SCALER.

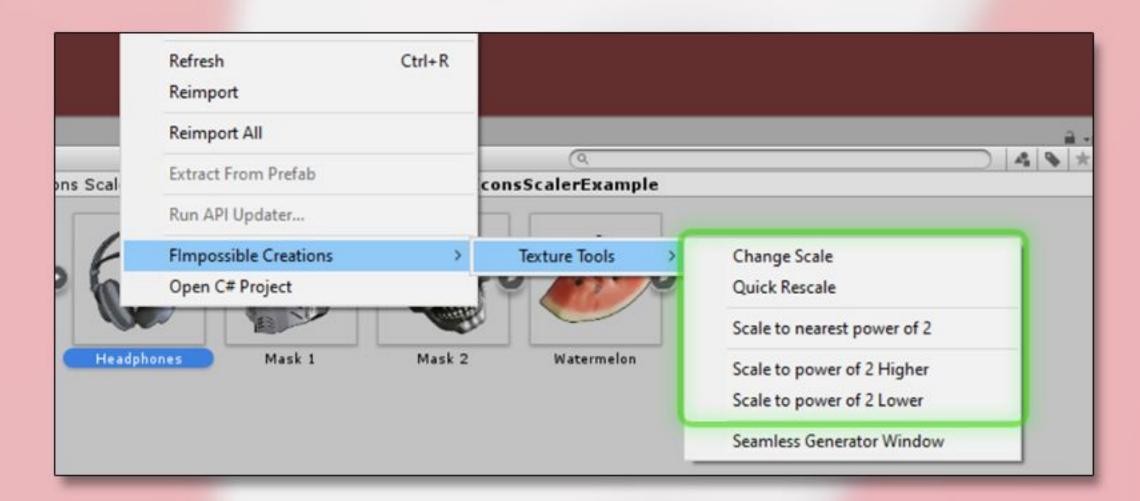
SET NATURE SPEE WILL SET IMAGE COMPONENT SPEE TO BE THE SAME AS GENERATED SPRINE.

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3/3-BONUS TOOLSH

IGONS SCALER COMES WITH ADDITIONAL HANDY TOOLS TO BE USED JUST INSIDE UNITY EDITOR, RIGHT GUGK ON ANY SPRITE FILE INSIDE YOUR PROJECT, THEN ENTERS



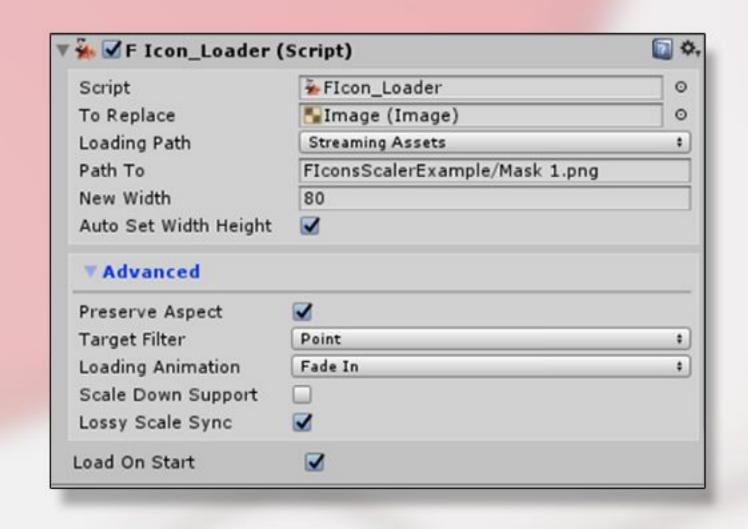
YOU GIN SCALE MULTIPLE FILES TO ANY RESOLUTION. (SUPPORTING JPG PNG JIR. TGA FORMATS)

TEXTURES WITH RESOLUTION POWER OF TWO ARE ENSULY COMPRESSED BY UNITY MAKING BUILD MUCH SMALLER IN SIZE.

UNITE THIS TOOLS YOU GAN SCALE SOURCE IMAGE FILES.

WITH IGON LOADER COMPONENT YOU GAN
EASILY LOAD IMAGES INTO YOUR UI WITHOUT
ANY GODING, COMPOENNT PROVIDES ALL
NEGGESARY FUNCTIONS FOR MANAGING SPRITES.

ENTER ON UNRABUES (NOT DURING PLAYMODE)
TO DRAW TOOLTIPS FOR PARAMETERS WHIGH
GAN BE HARDER TO UNDERSTAND IT'S
FUNGTIONALITY.



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