HowTo 1 - build a project step by step

A guide to build a Guiliani Streaming Editor (GSE) project on your own

Product:	Guiliani Streaming Editor (GSE)
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1. Introduction

Welcome to the How To documentation for using Guiliani with the GSE.

This document explains how to create your own project by only using the GSE, without any programming.

1.1. Assumed knowledge

None.

1.2. Prerequisites

Unpacked Guiliani-SDK including GSE.

1.3. Documentation conventions

Whenever you can use keys from your computer's keyboard, these will be displayed in square brackets (e.g.," To run your project press [Ctrl] + [r].").

Menu commands or file path used in this document will be shown in *italic*.

Text that appears in the software on controls will be printed in **bold and blue**.



Whenever the reader of this document has to do something in his project, the text will start with this triangle.



Results will be shown using this arrow.

In this document, we use icons whenever we will warn the user or will give him additional or important information.



The speech bubble icon will show additional helpful information.



Whenever a text begins with an exclamation mark icon, it contains important information that is essential for the current chapter.



A warning sign icon signals serious issues and potential risks that require your full attention.

1.4. Shortcuts

In the documents, we often select a command from the window. These can be selected by the following short cuts, too:

File → New Project	[Ctrl] + [Shift] + [n]
File 🗲 New Dialog	[Ctrl] + [n]
File 🗲 Save Project	[Ctrl] + [s]
File → Run Simulation	[Ctrl] + [r]

1.5. This document's goal

At the end of this HowTo you will have learned

- how to create, open, save and export a project and how it will run as a simulation
- the creation of dialogs
- how to add controls and set their attributes
- the handling of icons and backgrounds
- and much more

We will have set the basics for our cooking stove and the main dialog will look like this:

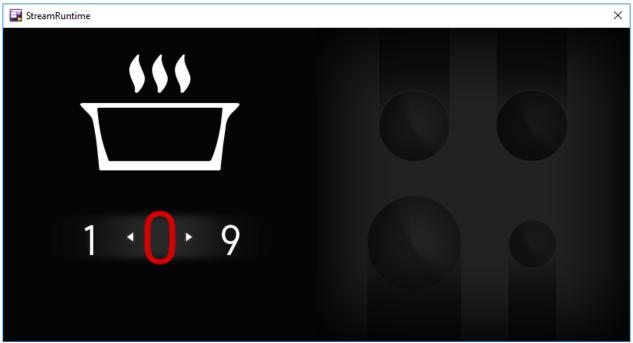


Fig. 1 This "How To" result

2. Create a new project

2.1. Step 1: Starting the GSE

You will find the pre-compiled GSE as "GSE.exe" (Win32) / GSE-binary (Linux) in the SDK's main folder.

Just double click onto it to start.

On the first start of the GSE a warning will appear in the console-window that the window settings could not be loaded. This is normal.

guiliani File Edit View Layout Resources Custom Extensions Windows Help	
100.5 Dialogs _ D X Attributes	_ 🗆 × Controls _ 🗆 ×
	▼ Images/Primitives ▼ Standard A
	GeometryObject Textfield
	Image Scrolling Testfield
C Cloject Hierarchy T X 0 coject 0 / Type Vis	
	Animatedimage Inputfield
	≪♦ []⊐∎
T	
	Imagestack Combobos V Buttons
± 4	
- "	
	Button Checkbot
	Iconbutton Radiobutton
5	BiendButton Radiobutton-Group 🗸
Error console _ D x	
10 D2X	

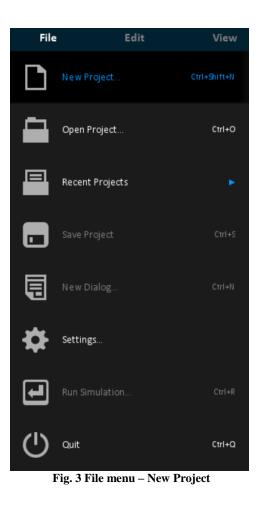
Fig. 2 Guiliani Streaming Editor

You can arrange the different windows by moving (drag and drop) or arranging their sizes (moving with the mouse-cursor to a edge or corner of a window and drag when the cursor shape changes).

If any of the shown windows is not appearing it can be opened using the "Windows"menu.

2.2. Step 2: Create a new project

Click on File.



Click on New Project....

A window with the same name opens.

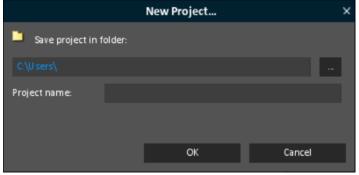


Fig. 4 New Project window

You can change the folder, where your project will be saved by the GSE, by clicking onto the button "…".

Choose in: C:\Users 🗸 🗸 🖌 🗸 🗸 🗸 🗸 С:\Users
Admin All U sers Default Default U ser Default.migrated Default.migrated Default.migrated Default.migrated
Filename: Choose
Filetype: Directories () The Cancel

Fig. 5 New project – Choose Directory

For our example, we change to the "Root Path".

As the project name choose "step_by_step".

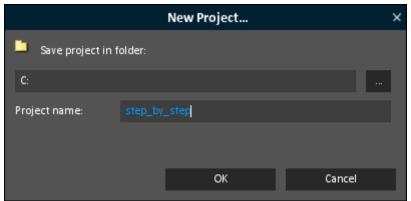


Fig. 6 New Project with Project name

Now click onto "**OK**".

In the title of the GSE your project's name has been added at the beginning.

9	step_by_step -	Guiliani Streaming Editor

guiliani	File		
TOOLS	Dialogs		

Fig. 7 Changed GSE title

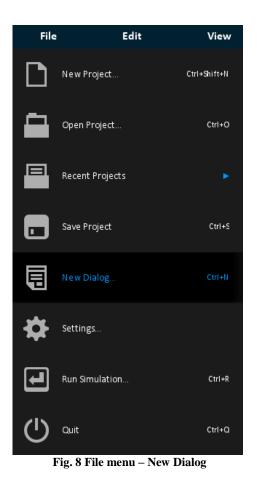
2.3. Step 3: Create a new dialog

Normally a project consists of several dialogs. These will be displayed in the upper left window called "Dialogs".

Our project will only have one dialog for the moment.

So we have to add a dialog:

• Choose *File* \rightarrow *New Dialog* from the menu.



The window "Create new dialog" opens.





Please name the dialog "Main" and enter 800 for Width and 400 for Height.

Then click "**OK**".

The dialog has been added to the "Dailogs" window.

As you can see now, in the **Object Hierarchy** window our dialog has been added and labeled as "AID_MAIN".

This is the so called Object ID, by which GSE can find our window (which is an object for GSE).

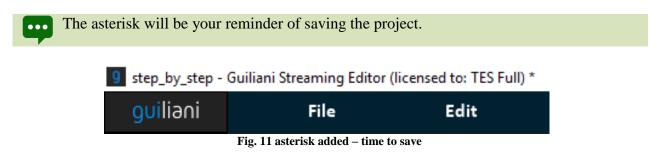
Dialogs	_ 🗆 ×	
Main		
+ ×		
Object Hierarchy		_ 🗆 ×
object-ID / Type		Vis
AID_MAIN		✓

Fig. 10 the dialog's object ID

2.4. Step 4: Save the project

Now it is time to save our project.

As you can see in the title bar, an asterisk (*) has been added at the end of the title. This will always appear, as soon as you have made any change to the project.



To save the project, just choose *File* \rightarrow *Save Project* from the menu.

The project will be saved in the folder "step_by_step" (inside the folder "GSE_HowTo").

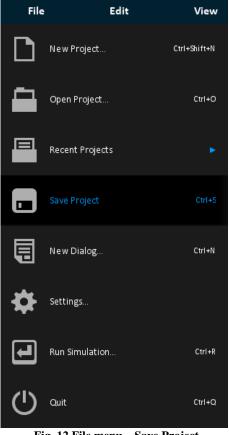


Fig. 12 File menu – Save Project

2.5. Step 5: Set the dialog's background

To set the background in a dialog, you have to add a picture, which spreads over the whole dialog.

Go to the "Controls" window and click onto "Image" (the second entry in Images/Primitives in the controls list).

As you can see, the image control has been inserted to our dialog at once, represented by an rectangle with a question-mark in it.

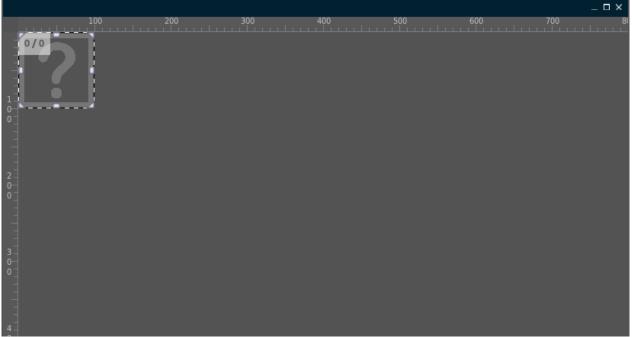
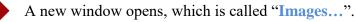


Fig. 13 Added image for background

The image control appears as "AID_IMAGE_1" in the "Object Hierarchy" window, too, where it is selected. And the "Attributes" window now shows the image's attributes.

There, the first entry is called "ImageID". That is the attribute we have to change.

Click onto the button behind the attribute "ImageID", which is called "IMG_STDCTRL_PLACEHOLDER" at the moment.



Here you will find all images, which are included to GSE and your project. A background is an image. So we could use one of them, but there isn't one which really fits.

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Therefore, there is a button in the lower left corner called "Insert new image".

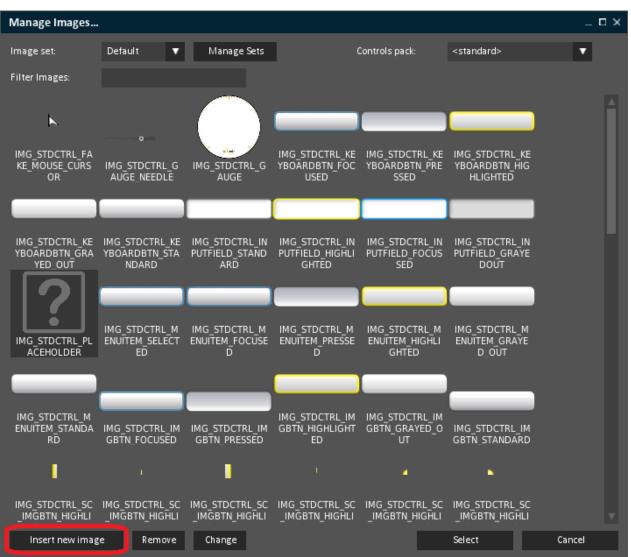


Fig. 14 Manage images

Click onto that button. Another window appears. Here you have to click onto the "..." button.

Manage Images						_ 🗆 ×
Image set:	Default 🔻	Manage Sets		Controls pack:	<standard></standard>	•
Filter Images:						
k	o					Î
IMG_STDCTRL_FA KE_MOUSE_CURS OR	IMG_STDCTRL_G AUGE_NEEDLE	IMG_STDCTRL_G AUGE		IMG_STDCTRL_KE YBOARDBTN_PRE SSED	IMG_STDCTRL_KE YBOARDBTN_HIG HLIGHTED	
		li	nsert new image-	ID	×	
IMG_STDCTRL_KE	Filename:	I				· ·
YBOÄRDBTN GRA YED_OUT	New image-ID:					
?	Export-Format:	default	▼ perr	nanent		
IMG_STDCTRL_PL ACEHOLDER				ОК	Cancel	
IMG_STDCTRL_M ENUITEM_STANDA RD	IMG_STDCTRL_IM GBTN_FOCUSED	IMG_STDCTRL_IM GBTN_PRESSED		IMG_STDCTRL_IM GBTN_GRAYED_O UT	IMG_STDCTRL_IM GBTN_STANDARD	
•				4		
IMG_STDCTRL_SC _IMGBTN_HIGHLI	IMG_STDCTRL_SC _IMGBTN_HIGHLI		IMG_STDCTRL_SC _IMGBTN_HIGHLI	IMG_STDCTRL_SC _IMGBTN_HIGHLI	IMG_STDCTRL_SC _IMGBTN_HIGHLI	
Insert new imag	ge Remove	Change			Select	Cancel

Fig. 15 Insert new image-ID

Navigate to the data folder for this How To (You can find it on our website www.guiliani.de.). Here, inside the folder "How to 1 - resources" select "background.png".

Open File							
Look in:	C:\GSE\Documentation	h\How to 1 - resource	•	•	A		+
	background.png						
Home Path	wheel_backgrour	d.png					
Root Path							
Current Directory							
	Filename:				IL.	Open	
	Filetype:	Images (*.png; *.blu; *.b	omp; *.raw; *.jp	g; *.jpe	V L	Cancel	
	Fig. 16.0	booso dialog book	around im	000			

16 Choose dialog background image Fig.

Click onto "Open" and you will return to the window "Insert new image-ID". Here you could change the name of the image-ID. But we will keep "IMG_BACKGROUND".

Insert new image-ID ×						
Filename:	C:\GSE\Documentation\Hov	v to 1 - resource\backgrou	nd.png			
New image-ID:	IMG_BACKGROUND					
Export-Format:	default 🔻	permanent				
		ок	Cancel			

Fig. 17 Named dialog background image ID

Click onto the button "**OK**" and you are back to the window "**Mange images...**". Here scroll down to the end. There you will find the new inserted image.

IMG_STDCTRL_CH ECKBOX_NOTSEL ECTED_GRAYEDO UT	IMG STDCTRL CH ECKBOX SELECTE D_FOCUSSED	IMG STDCTRL CH ECKBOX SELECTE D_HIGHLIGHTED	IMG_STDCTRL_CH ECKBOX_SELECTE D_PRESSED	IMG STDCTRL CH ECKBOX SELECTE D_NORMAL		
DUMMY_IMAGE	IMG_BACKGROUN D					
Insert new imag	e Remove	Change			Select	Cancel
		E ! 10.6				

Fig. 18 Select dialog background



Now click onto the button "Select".



Your dialog window should look like this, now:

	200 3	00	400	500	600	_ □ × 700 _ 84
2						
4	P					

Fig. 19 Inserted background image

The next step is to resize the image to fill the whole dialog. This will be done by setting the image's attributes to the dialog's values.

XPos	0
YPos	0
Width	800
Height	400

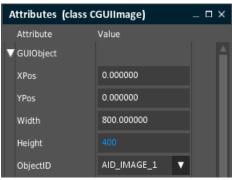


Fig. 20 Spread background image

Now we have filled our dialog with the image.

2.6. Step 6: Adding a control

At the moment, we have a cooking pot on the left side of our main dialog and four burners on the right side.

Now, we need a possibility to choose the cooking-stage for the pot. This will be realized using a wheel.

Choose the control "Wheel" from the "Controls" window. You will find it in the category Advanced.



Fig. 21 The wheel inside Controls list

Click on the control to add it to the dialog.

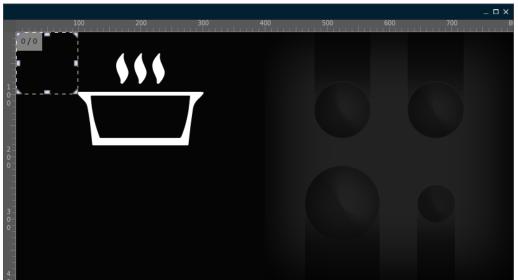


Fig. 22 Wheel added

- All controls can either be placed using Drag&Drop into the dialog or any other container. The container which will contain the new control will be highlighted. If you just click on a control it will be placed in the upper left corner of the current selected container (shown in bold in the "Dialogs window"). So you have to choose the x and y coordinates for the control to define, where it should appear inside the control.
- The control has been added to the "**Object Hierarchy**" window, too. And because it was placed inside the dialog "**Main**", it will be shown beneath this dialog (**AID_MAIN**) with its object ID (**AID_WHEEL_1**).

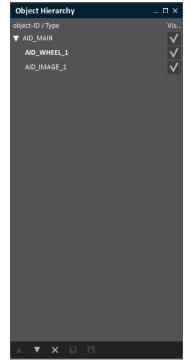


Fig. 23 The wheel's object ID in Object Hierarchy



Save the project and continue with the next chapter.

2.7. Step 7: Placing the control

In the "Attributes" window the wheel has been selected. The window's title now shows the class-name of the selected control (see Fig. 24).

Attributes (class	CGUIWheel)	_ 🗆 ×
Attribute	Value	
🔻 GUIObject		L L
XPos	0.000000	
YPos	0.000000	

Fig. 24 The attribute's class name

Unlike the "Attributes"-windows the "Object Hierarchy" window displays controls either using the Object-ID (e.g. AID_WHEEL_1) or – if NO_HANDLE is set – the class-name (e.g. CGUIWheel).

For our project, we do not want to have the wheel at the left upper corner:

• Set **XPos** to 60, **YPos** to 232, **Width** to 280 and **Height** to 70 by just entering the numbers.



As you can see, you can place your controls very exactly, using digits behind the decimal point (e.g. 25.25).

You cannot see a lot from the wheel:

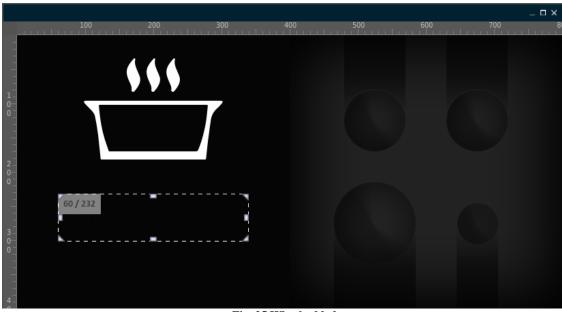


Fig. 25 Wheel added

First, we need a background. For this, read the next chapter.

2.8. Step 8: Set the control's background

We add a background to the wheel.

For this, click onto the button "DUMMY_IMAGE" behind the attribute "BackgroundImageID".

```
•••
```

If you cannot read the whole attribute's name like "BackgroundImageID" ...



Fig. 26 Attribute's name field to small

... you can widen it. Just move your mouse to the top of the list between the headers "Attribute" and "Value". A bar appears between both headers. Click onto it and move the mouse to the left or right to shrink or enlarge the columns.

Attributes (c	lass CGUIWheel)	_ 🗆 ×
Attribute	Vlue	
🔻 GUIObject		
XPos	60.000000	
YPos	232.000000	

Fig. 27 Widen a list field

For the wheel's background image you have to insert a new image.

So click onto "Insert new image" inside the "Images ..." dialog.

Because we inserted a new image before, the now opened "Insert new image-ID" window will show the filename and image-ID from our background. Therefore we will be inside our images folder when we click onto the "…" button.

If you have closed the GSE and started it again, the previous selection won't be there. Then you have to navigate to the resource folder of this HowTo again.

Select "wheel_background.png".							
Open File							
Look in:	C:\GSE\Documentation	h\How to 1 - resource	•	ا ⇒	•	× +	
Home Path Root Path	background ppg wheel_background	d.png					
	Filename:				E	Open	
	Filetype:	Images (*.png; *.jpg; *.j	peg; *.jfif; *.svg;	*.rle; 🔻	E	Cancel	
Fig. 28 Incert image for wheel background							

Fig. 28 Insert image for wheel background

• Click onto "Open" and in the next dialog onto "OK".

Back in the "Mange Images ..." window click onto "Select" to change the wheel's background image.

100	200	200	400	500	600	_ 🗆 X
3 0 0 4	• •]				

Fig. 29 Wheel background set

The numbers cannot be seen. So we have to set the entries to other colors. This will be done in the next chapter.

2.9. Step 9: Changing colors of the control



Colors in GSE will be entered in ARGB form. So you have to enter a 32-bit unsigned integer, which has the alpha sample in the highest 8 bits, followed by the red sample, the green sample and finally the blue sample in the lowest 8 bits.

Therefore, use the following table for the colors black, blue, white and red: Black 0XFF000000 Blue 0XFF0040FF White 0XFFFFFFFF Red 0XFFD70000 (0X marks the beginning of the hexadecimal coded number and FF is the alpha value = no transparency.)

We will set the wheel's entries to white and the focussed entry color to red.

For this, click on "EntriesFontColor", pick the white color inside the ColorSelectiondialog and press "OK". Repeat this for the attribute "FocussedEntryFontColor" and set it to red.

V GUIWheel					
BackgroundImageID	IMG_WHEEL_BACKGROUND				
WheelDirection	WHEEL_VERTICALLY				
EasingType	EASE_OUT_EXPO				
EasingDuration	1500				
EntriesFontID	FNT_DEFAULT				
EntriesFontColor	OXFFFFFFFF				
FocussedEntryFontID	FNT_DEFAULT				
FocussedEntryFontColor 0XFFD70000					
Fig. 30 All entries font color set					



Save your project.

The wheel isn't very nice at the moment, so we have to do some adjustments.

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2.10. Step 10: Adjusting attributes for the control

The next thing we should do is to set the wheel to a horizontal one.

Change the attribute "WheelDirection" to "WHEEL_HORIZONTALLY".

V GUIWheel		
BackgroundImageID	IMG_WHEEL_BACKGROUND	
WheelDirection	WHEEL_VERTICALLY	•
EasingType	WHEEL_HORIZON TALLY WHEEL_VERTICALLY	
EL 21 (

Fig. 31 Set wheel direction

• To set the wheel's numbers straight, please change "EntryWidth" to 90.

To enlarge the gap between the numbers you have to set "EntryHeight to 84.

EntryWidth	90.000000	
EntryHeight	84.000000	
Fig. 32 Wheel's entry settings		

Fig. 32 Wheel's entry settings

For a stove we need stages 0 to 9.

- So let us set the numbers from 0 to 9.
- This will be done with the attributes "MinValue" and "MaxValue". The step has to be set using the attribute "StepSize". For us, it should be 1.

MinValue	0
MaxValue	9
StepSize	1

Fig. 33 Setting the wheel's entries

Save your project and run it (see next chapter).

2.11. Step 11: Run (simulate) the project

To run your project, select File \rightarrow Run simulation ([Ctrl] + [r]) from the menu.

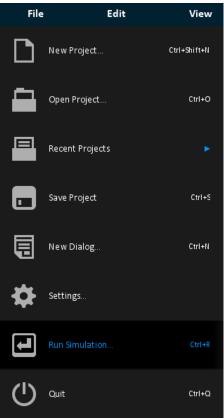


Fig. 34 Menu File → Run Simulation

In the "**Run simulation**" dialog, make sure to choose the right start dialog and that the options are set as shown.

At the moment, "Main" is the only dialog. But if you have created more than one, choose the right one as "Start dialog":

Run Simulation						>	
Settings							
Width:	800	pixels					
Height:	400	pixels					
Image set:	Default		T		Select imag	e sets	
Font set:	Default		T		Select font	sets	
General resources set:	Default		T		Select gener	al sets	
Sound set:	Default		T		Select soun	d sets	
Language:	Default		T		Select lang	uages	
Start dialog:	Main		T				
Resource directory:							
Activate background co	olor OxFFO	00000					
🗸 Export Guiliani standar	rd resources						
Create resource files he	eader(Can be	e found in the pr	oject/t	emp fol	der as 'Resou	urces.h')	
Create resource file	(Can be	e found in the pr	oject/t	emp fol	der as 'Resou	urces.dat')	
Overwrite Header files	in StreamRu	ntime					
Export streaming mode:	💿 XML	🔵 Bir	nary				
Show statistics at end	of export/run	simulation					
Remove duplicate reso	ources on exp	ort					
Execute pre processing) script						
Execute post processin	g script						
Execute script to flash	devices						
					Ru	n	Close

Fig. 35 Run Simulation dialog

When you click to the "Run" button, your project will be run with the StreamRuntime in a separate window.

When using "Run Simulation" the exported contents of your project will be stored inside the "temp" subfolder, where you can find an application named StreamRuntime. This is the main executable of your application on the PC side.

Your project should look like this:

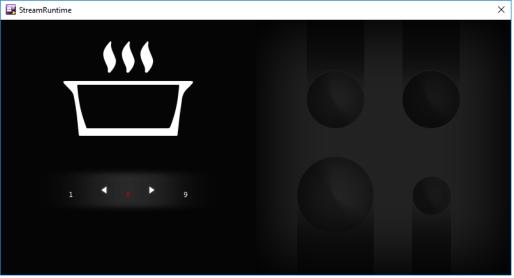


Fig. 36 Wheel's entries set

If you don't like that the wheel cycles (you can go from 9 directly to 0) you have to uncheck the wheel's attribute "Cyclic".

The numbers are very small and have to be enlarged. This will be done in the next chapter.

2.12. Step 12: Changing the font of a control

To change the appearance of the entries of the wheel, you can change the used fonts. A font in Guiliani sets the font-file, size and style-attributes (e.g. bold or italic).

Make sure "AID_WHEEL_1" is still selected in the "Object Hierarchy" window.

Look for the attribute "EntriesFontID" and click onto the triangle of the combobox (which is labeled "FNT_DEFAULT" at the moment). Choose "Manage Fonts ...".

EntriesFontID	FNT_DEFAULT	•
EntriesFontColor	Manage Fonts	
	FNT_KEYBOARD FNT DEFAULT	
FocussedEntryFo	DUMMY_FONT	
FocussedEntryFo	0XFFD70000	

Fig. 37 Open manage fonts

The now opened window ("Manage Fonts...) shows all fonts which can be used inside the project.

Manage Fonts				_ 🗆 ×
Font set:	Default 🔻 🔻	Manage Sets		
FNT_KEYBOARD		FNT_DEFAULT		
New ID Rem			Select	Cancel

Fig. 38 Fonts dialog

We need a new font, so you have to click onto the button "New ID".

As before, click onto the "…" button and navigate to the data folder for this How To. Here, inside the folder "How to 1 - resources", you will find the font "Gidole-Regular.ttf".

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Choose and open it (by double clicking onto the font name).

Open File						
Look in:	C:\GSE\Documentation	n\How to 1 - resource	V	◀ ⊿	L ×	+
Home Path Root Path	Gidole-Regular.tt	f				
Current Directory						
	Filename:				Open	
	Filetype:	TrueType fonts (*.ttf)		T	Cancel	

Fig. 39 choose new font

You are now back inside the "**Insert new font-ID**" window. Here we can define the font's size.

For our entries, we set the size to 55. For a better differentiation in the future, we also have to rename the font for this size. So add a "_55" at the end of the font's ID.

If you click onto an entry, it will be highlighted (blue) and you will delete this text if you enter a new one. So double click into the field, but behind the entry. Now you can add the characters needed.

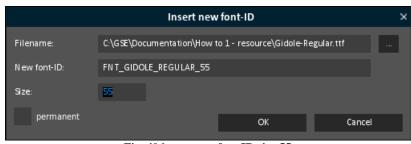


Fig. 40 insert new font ID size 55

Click onto "**OK**" to close this dialog.

Back in the "Manage Fonts ..." window, select our new font

"FNT_GIDOLE_REGULAR_55" and click select (or double click onto the (correct) font's name).

Manage Fonts					_ 🗆 ×
Font set:	Default	•	Manage Sets		
FNT_KEYBOARD		FN	IT_DEFAULT		
FNT_GIDOLE_REGUL	_AR_55				
New ID Rem	ove Char	nge	s	èlect	Cancel

Fig. 41 select new font - size 55

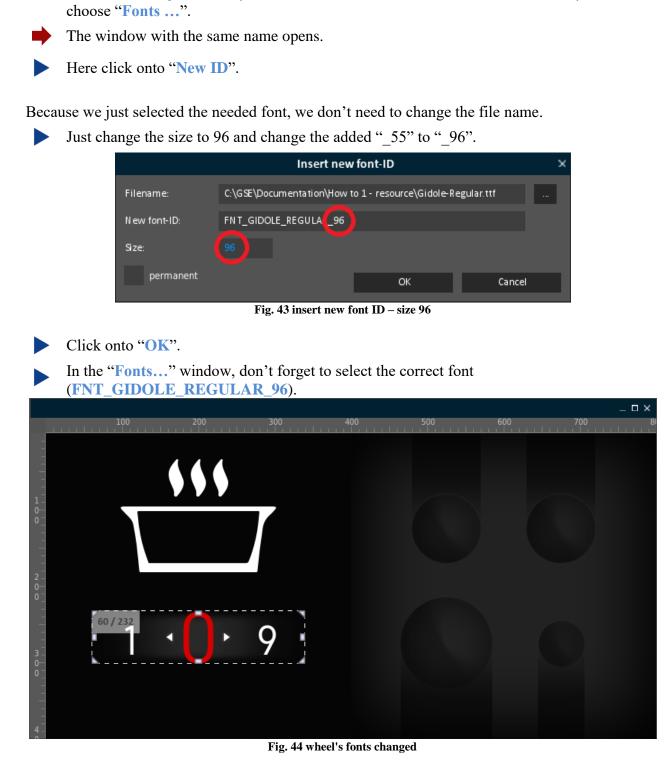
It looks good. But now the focussed entry (the red one) is a bit too small.

							_ □	
	100	200	300	400	500	600	700	81
-								
-								
-								
0 -								
-								
2								
2 - 0 0 -								
	60 / 232							
-		< . ►	0					
3 - 0-								
0 _								
4 -								

Fig. 42 entries' font set

- We have to correct this by setting it to the same font "Gidole-Regular.ttf". But this time, we set the size to 96.
- Can you do this on your own?

If not, just take a look at the next page.



Click onto the triangle of the pull down menu behind the attribute

"FocussedEntryFontID" (which is labeled "FNT_DEFAULT" at the moment) and

Save and run your project.

You can select the stove's stage by either scrolling a number or clicking between one of the arrows and the next number in the direction of the arrow.

<mark>gui</mark>liani.de



Now you have built your first project! Congratulations!

If you like to enhance your project with Commands, a DataPool and/or adding code, have a look at the next HowTos.

Please send us (<u>support@guiliani.de</u>) an email and write if you like this step-by-step document or not – and why. Maybe you have some suggestions on how to enhance this guide or maybe you have found errors – then we would be glad, if you send these to us, too. Thank you in advance.

On the next page you will find an additional chapter. Herein we explain how to move a control between the viewing layers.

The HowTo will be completed by showing you how to export your project for using it on a device.

2.13. Step 13: Move a control to another view layer

It may occur that, when adding a new control, it will overlay other controls. When you want to change the order you can move it to another layer inside the dialog.

In our project we can see what we can do, if we had added the wheel first and then the background image.

- For this, select "AID_IMAGE_1" in the "Object Hierarchy" window.
- Choose *Edit* \rightarrow *Delete* or the X (marked in red) from the icon bar at the bottom of the "Object Hierarchy" window to remove the current background image.

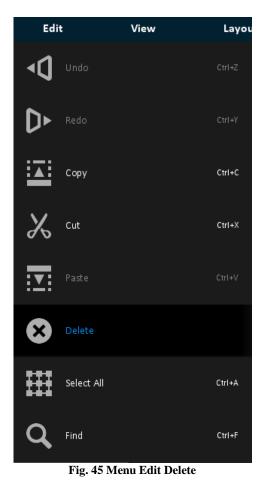




Fig. 46 Delete in Object Hierarchy window

If you choose the X, you have to confirm that you want to delete the control by clicking "OK".

Now we will re-load the background image.

Click onto "image" in the "Controls" window and set "Width" to 800 and "Height" to 400.

The wheel can still be seen, because we do not have chosen an image, yet.



Click onto "IMG_STDCTRL_PLACEHOLDER" behind "ImageID" and choose "IMG_BACKGROUND" in the "Images ..." window.

Now the background covers our wheel.

How can we change this?

At the bottom of the "**Object Hierarchy**" window, you will see an arrow facing upwards (which is inactive, because our image is placed in the upmost layer) and an arrow facing downwards (which is active).



Fig. 47 Change control's layer

Click onto the arrow facing downwards.

You will see that in the dialog window the wheel reappears immediately and that the controls in the "Object Hierarchy" window have changed places.

• With the arrows facing upwards and downwards you can change the layer of every single control. The control at the bottom of the "Object Hierarchy" is drawn first and all other controls are drawn on top of it.

If you like to let a control "shine through" another one, set the Alpha attribute to a value you prefer.

2.14. Step 14: Export a project

You can export your project (to run it on the target board) by selecting Resources \rightarrow Export from the menu ([Ctrl] + [e]).

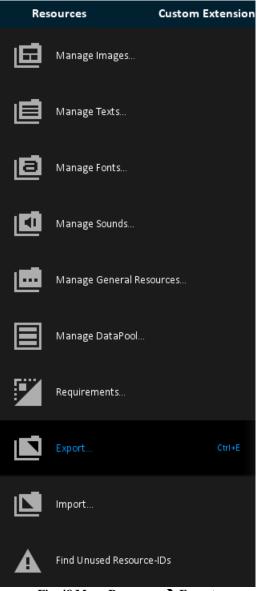
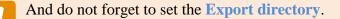


Fig. 48 Menu Resources → Export



In the now opened "Export..." dialog enter a valid path to the folder where your project should be saved. To select a folder, use the "…" button which will open the "Choose Directory" dialog.

Just like in the "**Run simulation**" dialog, make sure to choose the correct start dialog and that the export options are configured as shown below. At the moment, "**Main**" is the only dialog.



			E>	φort					×
Export direc	torγ:	C:\GSE							
Width:		800	pixels						
Height:		400	pixels						
	Image set:	Default		۲		Select imag	e sets		
	Font set:	Default		۲		Select font	sets		
General	l resources set:	Default		۲		Select gener	al sets		
	Sound set:	Default		۲		Select soun	d sets		
	Language:	Default		T		Select langu	uages		
	Start dialog:	Main		7					
Resource dir	rectory:								
🗸 Activa	te background c	olor OxFFO	00000						
✓ Export	: Guiliani standa	rd resources							
V Create	e resource files h	eader(Can be	found in the ex	port f	older as	'Resources.h'	')		
V Create	e resource file	(Can be	found in the ex	port f	older as	'Resources.d	at')		
Overw	rite Header files	in StreamRu	ntime						
Export strea	iming mode:	🔵 XML	🔵 Ві	nary					
Show s	statistics at end	of export/run	simulation						
Remov	ve duplicate reso	ources on exp	ort						
Execut	te pre processing	g script							
Execut	te post processir	ng script							
Execut	te script to flash	devices							
						Oł		Cancel	

Fig. 49 Export attributes

By selecting "**OK**", your project will be exported to the selected folder. This folder does now contain everything which is required to run your GUI on your desired target platform. Copy the contents of the folder next to your StreamRuntime binary on the target board and execute it, to see your GUI in action.

2.15. Step 15: How to continue?

2.15.1. Sample solution

We hope this document will get you step by step to your first project. If you encountered problems or wish to have the solution without creating the project on your own, we have added the sample solution into the folder called "How to 1 - sample solution".

Here you will find the GSE Project (step_by_step.gpr) inside the project folder called "step_by_step".

For Windows user inside the folder "temp" there is an executable StreamRuntime.exe.

2.15.2. Continuing HowTos

You will find an overview of continuing HowTos in the document "How to 0 - an overview of building GSE projects".

Don't forget to visit our homepage <u>www.guiliani.de</u> to get more information, demos, help, videos and the latest news about guiliani and GSE.

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