GarageBand automatically comes on Mac computers as Apple developed it.

When you load GarageBand it will open a window on your desktop that will look like this:



You have a variety of options to choose from. For this example, the 'Loops' image was clicked. However it doesn't really matter which out of Piano, Voice, Electric Guitar and Loops you choose because you still have the options of those when you're in the workspace.



Double click on the one you want.

000	New Project from Template	
	Save As: My Song Tags:	
	🖩 🗍 📰 🔻 🗎 🚺 Desktop 🗘	(Q)
FAVORITES Applications Desktop Documents Downloads Movies	Name	Date Modified
New Folder	Tempo: Signature: 4 / 4 ‡ 120 bpr Key: C ‡ major	n ‡ Cancel Create

A window will then appear that looks like this:

In this window you are given the option to adjust or change the tempo, signature and key of your project. You don't have to decide on what you want just yet as you will be able to when you are actually working on your project.

Name your project and decide where you want to save it. Once you have done that click Create in the bottom right corner.

 Carageland - My Song
 Corageland - My Song

 Tracks
 Single Exercise

 Corageland - My Song
 Corageland - My Song

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Your screen should then look like this:

This is your timeline, your blank canvas. This is where you will create your masterpiece.

The light grey panel running along the length of your screen contains the basic controls including Record, Play, the metronome, the clock (which has the option of counting the bars or the time).



The media browser is where all of the music stored on your laptop or computer will appear. So if you use iTunes, the songs you have bought will be available to you. This gives you the opportunity to sample bits from a chosen song if you wish. All you need to do is click on the Media Browser button, locate the song you want and then drag it onto the workspace where it will load and be ready for you to play with. Note: In making your iTongue products, you will need to take account of copyright. You will need to either create your own music or use Royalty Free music such as can be found at <u>http://incompetech.com/music/royalty-free/</u>.

If you selected the Loops template at the beginning, then you'll see all the Loops available on the far right of your screen. There is a wide range for you to play with.

As you see in the screenshot below, the All Drums (highlighted in blue) was clicked.



All of the drum patterns and beats available to you would have now appeared, ready for you to listen.

## \*\*\*\*Side Note\*\*\*\*

If you click on a loop and you haven't downloaded the full pack of loops and instruments available, then a window will appear notifying you that they need to be installed.

0	The Software Instrument or Apple Loop selected is not currently installed on your computer. Would you like to install the complete set of GarageBand instruments and loops?
CP	Choose from the following:
	Download Now Choose "Download Now" to download and install the additional content via the internet using Software Update.
	O Download Later Choose "Download Later" for the additional content to appear in the Software Update window the next time you open Software Update.
	To download the complete set, you must have access to the Internet, and have at least 1.2 gigabytes of storage (or "free disk space") on your computer. The set will download and install automatically. After the download is complete, you must restart GarageBand to use your new Software Instruments and Apple Loops.
	Click 'OK' to begin.
	Cancel

All you need to do is download and install the full package and then you're ready to start creating your video or audio recording.

## \*\*\*\*

Listen to the different samples and when you have decided what you like, simply drag it over onto the empty workspace. The software will then load the loop leaving your workspace looking like this:

000	GarageBand - My Song				10 10
Tracks	1   3   7   7   9   11   13   15   17   9   17   8   23   <b>3</b>		Loo	ps ‡	
Beats O.	Club D. cartoos	<b>=</b>	Scale: An	/	÷
	Cartan and Tanakata	Reset Ø	All Drums	Single	Ensemble
			Beats	Clean	Distorted
		Rock/Blues		Acoustic	Electric
		Urban	Kits	Relaxed	Intense
		World		Cheerful	Dark
		Electronic		Dry	Processed
		Country		Grooving	Arrhythmic
		Jazz		Melodic	
				Part	Fill
		Experimental		(Woodwind)	
		Name		A Beat	
			DEAL VI	Beat	
		Classic Rock			
		Classic Rock			
		Classic Rock			
		Classic Rock		16 16	
		Club Dance		16	
		Club Dance		16	
		Club Dance		16	
		Club Dance		16	
		Club Dance			
		Club Dance			
		🔠 Club Dance			
		Club Dance			
		Club Dance	Beat 010		
·		4	- 🔹 💽		283 items
+ *					

In order to copy a loop to extend the length of your song, just hold down the 'alt' key on your keyboard and drag the chosen loop over.



On GarageBand you have the ability to record your own guitars and vocals.

When recording a guitar connect the guitar to the audio input port on your computer or to an audio interface connected to your computer. When making a new track on which to record your guitar, you can either select Real Instrument or Electric Guitar. If you wish to use GarageBand's amps and stompbox effects, then select Electric Guitar, but if you don't then select Real Instrument.

000	GarageBand - My Song
Fracks	Software Instrument     Real Instrument     Electric Guitar     Iment     Master Track       For Judio recordings such as volec, guitar, bass, or any instrument that an USB, MDI, or onscreen keyboard.     For Judio recordings such as volec, guitar, bass, or any instrument that an be captured by a microphone.     For Judio recordings of electric guitar using built-in GarageBand amps and stompbox effects.     Iment     Master Track       Image Band and playable using a USB, MDI, or onscreen keyboard.     Image Band amps and stompbox effects.     Image Band Band Band Band Band Band Band Band
	Instrument Setup
	My instrument is connected with: I hear sound from:   System Setting System Setting   Mono 1 (Bullt-in Microphone) I want to hear my Instrument as I play and record.
	() Cancel Create
+ *	Delete Instrument Save Instrument

Click on Instrument Setup and a menu will drop down. Select the options that apply to your setup. You have the option to hear your instrument when your are playing and recording, if you want this then make sure you select the box

When you have created the new track the far right panel will look like this:

Real	Instrument		Master Track
		No	Effects
	Browse		Edit
	Show All		+
Acoustic Gui Band Instrur Basic Track Bass Drums Effects Podcasting Vocals			No Effects
藗.	Input Sour Monit Recording Lev	or: (	
Dele	ete Instrument		Save Instrument

The Help Center is located under the Help option on the menu bar at the top of your screen.

	🗯 GarageBand File E	dit Track Con	itrol Share	Window	Help	Ð \$
1	000		-		Search	
	Tracks		5	9	GarageBand Help	33
			Televeren freihen bereiten ber		Keyboard Shortcuts	
I	Grand Pi Punchy				Service and Support	
		2 📼				

Click on GarageBand Help. A window will popup and you will need to look at Lesson 4 – Play and record your electric guitar.

If you wish to record your own vocals, you can do this by creating a new track. Create a new Real Instrument track. It will appear with the title No Effects.



Over on the Track Info you'll see Vocals listed. If you click on that you'll get different effects to put on the vocals.

Real Instrume	nt	Master Track
		La construction de la constructi
	-	210
	Fema	le Basic
Browse		Edit
Show All		\$
Acoustic Guitars	۲	No Effects
Band Instruments		Ambient Vocals
Basic Track	•	Deeper Vocals
Bass	•	Epic Diva
Drums		Female Basic
Effects		Female Dance Vocals
Podcasting	•	Female RnB Vocals
Vocals	Þ	Female Rock Vocals
		Gospel Choir
		Helium Breath
		Live Performance
		Male Basic
		Male Dance Vocals
		Male RnB Vocals
		Male Rock Vocals
		Male Speech
		Megaphone
		Mouse Voice
		Pop Vocals

You have the option of recording your voice by using either the computer's builtin microphone or by connecting a microphone to your computer. If you are using an external microphone, connect it to the audio input port or the USB port on the computer. You can also connect it to an audio interface connected to your computer.

Click the red circle at the bottom of the screen to start and stop your recording.



If you have any problems with using the external microphone, then the GarageBand Help Centre gives you clear instructions. You will need to choose Lesson 3 – Record your voice.

Once you have recorded a voice, you might wish to edit it and cut things out.

Tracks	GarageBand - My Song
No Effects	English Speaking - Conversation between two friends about house

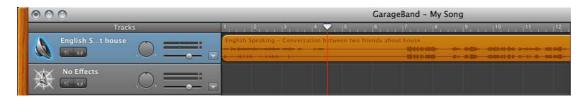
When editing your dialogue, you might need to remove sections of the music, text, images or other audio. You can cut up the recorded material by stretching out the material. This is somewhat similar to zooming in on the wavelength so you can get a cleaner and more precise cut. You do this by moving the arrow to the right.



If you move the arrow to the far left of the bar, it compresses the material into a much smaller block. This means that it is much more difficult to edit. If you move the arrow to the right then it stretches the dialogue out making it easier to cut where you want.

The amont of time spent and extend of editing will depend on how much editing and how far into the video/audio clip you would like to change or create. If it is a difficult cut to make precisely, then you will want to get as near as possible so it is easier to read the waves.

You edit the dialogue by cutting out the pieces you don't want or need. You can do this by moving the Playhead to where you want to make a cut.



(The Playhead is the thin red line going from the top to the bottom of your timeline)

When you have identified the exact location you want to cut, then you simply press 'Command T'. This splits the bar into two sections like this:

(	GarageBand File	Edit Track Control	Share W	/indow	Help	-				4	9 \$
	000	Undo Change Loop	жZ	-		Garag	eBand - M	y Song	_	_	
	Tracks	Redo	企業Z	4		6	7	9	10	11	12
	English St house	Cut Copy Paste Delete Delete and Move	೫X ೫C ೫V ^⊗	at house 1	English Sp	esking – Co	nversation be of the cost of the cost	ween two frie		ouse2 - Sectors-	
		Select All	ЖA								
		Add Marker	Р								
		Split	ЖТ								
		Join Add To Loop Library.	₩J 								
		Start Dictation Special Characters	fn fn 个第Space								

You will then do this again at the end of what you want to remove.

If you look at the picture above, you will see that one section is deep orange and the other is a paler orange. When you make the second cut, you have to make sure the section is deep orange otherwise it won't cut because it hasn't been selected.

000			GarageB	and – My Song
Tracks		1, 1, 2, 1, 3, 1, 4	5	8 9 10 11 12
English St house		English Speakins about house.1	English Spe_out house3	English Speaking - Conversation between two friends
No Effects	0. 🚍 🖬			

Here you can see that the second cut has been made. The deep orange section is ready to be moved or deleted. If you want to delete the section, simply click on it and press delete on your keyboard.

If you want to then close the gap between the two sections, all you need to do is click on the section you want to move and drag it along to close the gap.

000		GarageBand - My Song					
Track	(5	1 2 3 4	5 6	8 9	10 11 12		
English St house		English Speakins about house.1	English Speaking - Conve Conversion - Conve Station	sation between two frier	ids about house.4 8 2004002 - 3800000 - 00-0 8 3104012 - 380010 - 00-0		
No Effects	0 ==						

If you have two tracks with dialogue you will need to mute one of the tracks so you don't get mixed up when you try and edit it. How to mute a track is explained on page 5 of these instructions.

Adding more music

On GarageBand you have the option to record your own music using a keyboard. There are two ways to access this keyboard, you can either go to the GarageBand menu bar at the very top of your screen and click on Window. The drop down menu will then appear and you can click on Keyboard. The quicker and easier way would be to use the shortcut. Simply hold down the command key (located on either side of the spacebar) and press K.

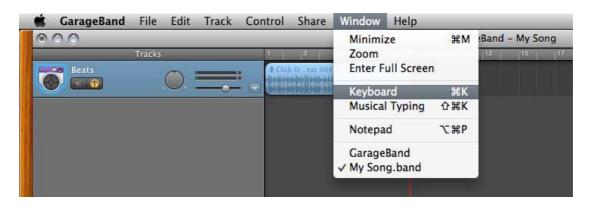


 Image: Description of the second of the s

The keyboard will then appear looking like this:

You will need to create a new track in which to record your piano on. You can do this before you get the keyboard up or you can do it afterwards.

In order to create a new track, you can go back to the menu bar at the top and click on Track. The drop down menu will look like this:

🗯 GarageBand	File	Edit	Track Control Share Window Help
000			Hide Track Info #1 nd - My Song
Beats	Tracks	<b>.</b>	Show Arrangement Track 企業A Show Master Track 策B Show Podcast Track 企業B Show Movie Track 冗業B
			Enable Multitrack Recording て第R Show Track Lock て第L Show Monitoring for Real Instrument Tracks で第1
			New Track てまい
			Delete Track 第3 Duplicate Track 第0 New Basic Track 分第N
			Fade Out

The easiest option is to click on the **button** on the panel running along the bottom.



You will then be given the option of selecting Software Instrument, Real Instrument and Electric Guitar. In order to use the popup keyboard you should select Software Instrument.

The keyboard will the look like this:



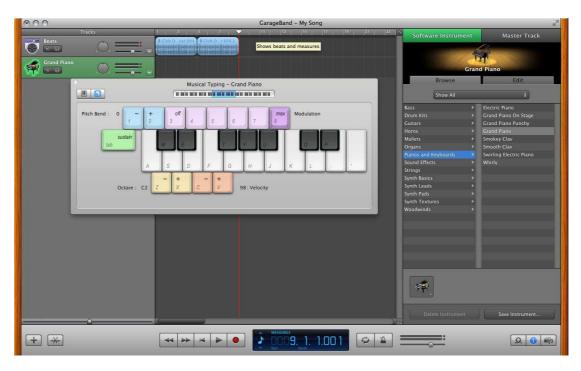
To use the keyboard with your laptop keyboard you will need to select this option



The keyboard will then transform to this:

You can choose which octave you want to play by using your cursor to drag the blue section up and down the full length keyboard above the coloured numbers. Alternatively, you can use the keyboard shortcut which is much easier.

This popup screen gives you different options which you can use to change the sound of what you're playing.



On the right hand side of the screen, where the loops were located you'll notice that the options have changed. Instead of showing the Loop Browser, it has automatically changed to the Track Info.

Browse		Edit
Show All		÷
Bass	*	Electric Piano
Drum Kits		Grand Piano On Stage
Guitars	•	Grand Piano Punchy
Horns	×	Grand Piano
Mallets		Smokey Clav
Organs		Smooth Clav
Pianos and Keyboards		Swirling Electric Piano
Sound Effects	*	Whirly
Strings		
Synth Basics		
Synth Leads	•	
Synth Pads		
Synth Textures		
Woodwinds		

This is where you are able to change the sound and software instrument you play.

When you have your completed sound file with vocals and music together, save your project. You can then export your sound file to your iTunes library by clicking the Share option on the GarageBand menu.