

ELEC 1020 LAB 3:

Animation

with Google Web Designer (GWD)



Google Web Designer

Outcomes of this lab

1. Learn about principle of animation with key frames
2. Create a simple animation with GWD

Attention

1. BOTH basic and creative tasks needed to be posted on Facebook as a comment on the specified post
2. Save your work to 'D:\temp'

Scoring Rubric For the Labs

max. 4 (100%) out of 4	4 (100%) Exceeds Standard	2 (50%) Meets Standard	1 (25%) Approaches Standard	0 (0%) Fails
Evaluation of your production in terms of design and technical effectiveness	On top of the standard deliverables, students showed unusual insight, complexity, originality, or creativity with their message or choice of an art form or medium to express it.	Students completed ALL required messages and reproduced the expected art form or medium.	Students partially completed the required messages and reproduced the expected art form or medium.	Students FAILED to complete any required messages and reproduced the expected art form or medium.
	Work shows rich evidence that student researched his/her OWN ideas, art form, and the techniques of his/her art form.	Work shows full evidence that students completed the required ideas, art form, and the techniques of art form expected.	Work shows partial evidence that students completed some required ideas, art form, and the techniques of art form expected.	Work shows NO evidence that students completed any required ideas, art form, and the techniques of art form expected.

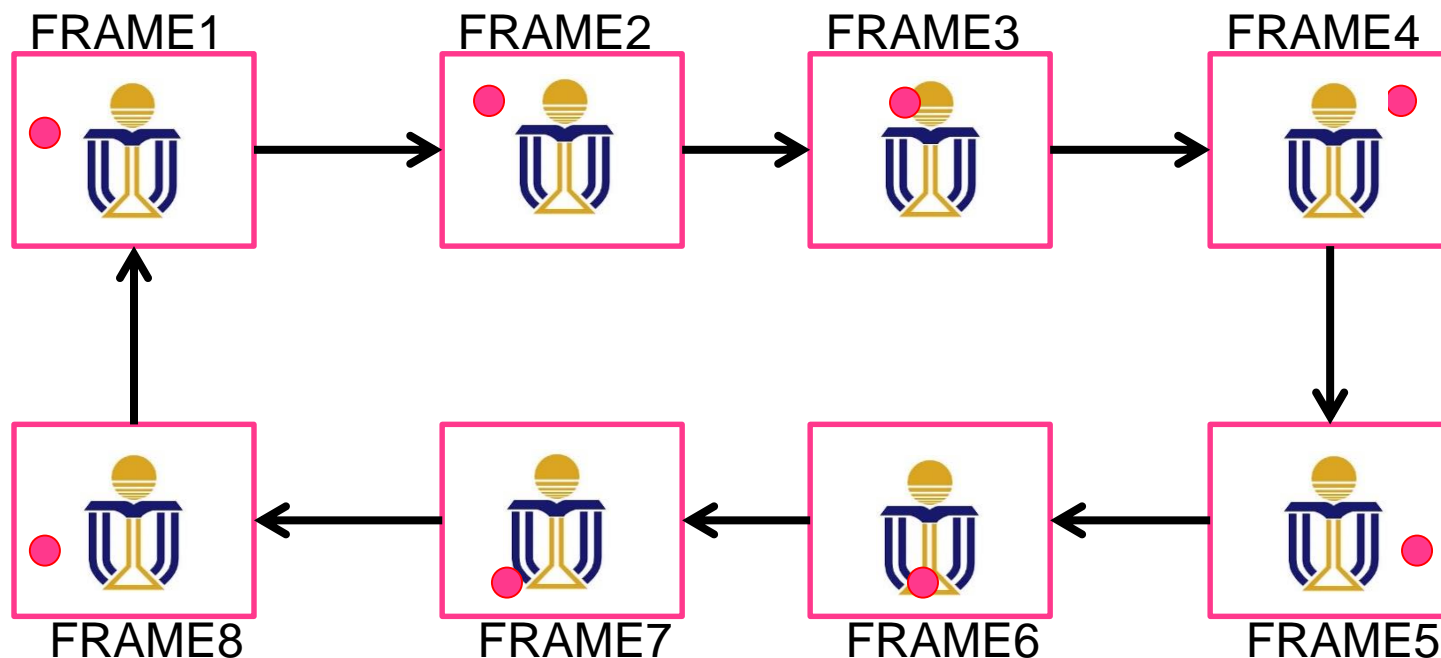
Lab Contents

1. Basic Concept of Animation
2. Introduction to GWD
3. Publishing an Animation

Basic Concept of Animation

Frames + Keyframe

1. A sequence of frames



2. **Keyframe**: the starting and ending points of any smooth transition

What is GWD?

A professional authoring tool to create HTML5 content
(Eg. animation)

- User-friendly interface in the foreground
- generate code automatically in the background
- support interactivity and control



Google Web Designer

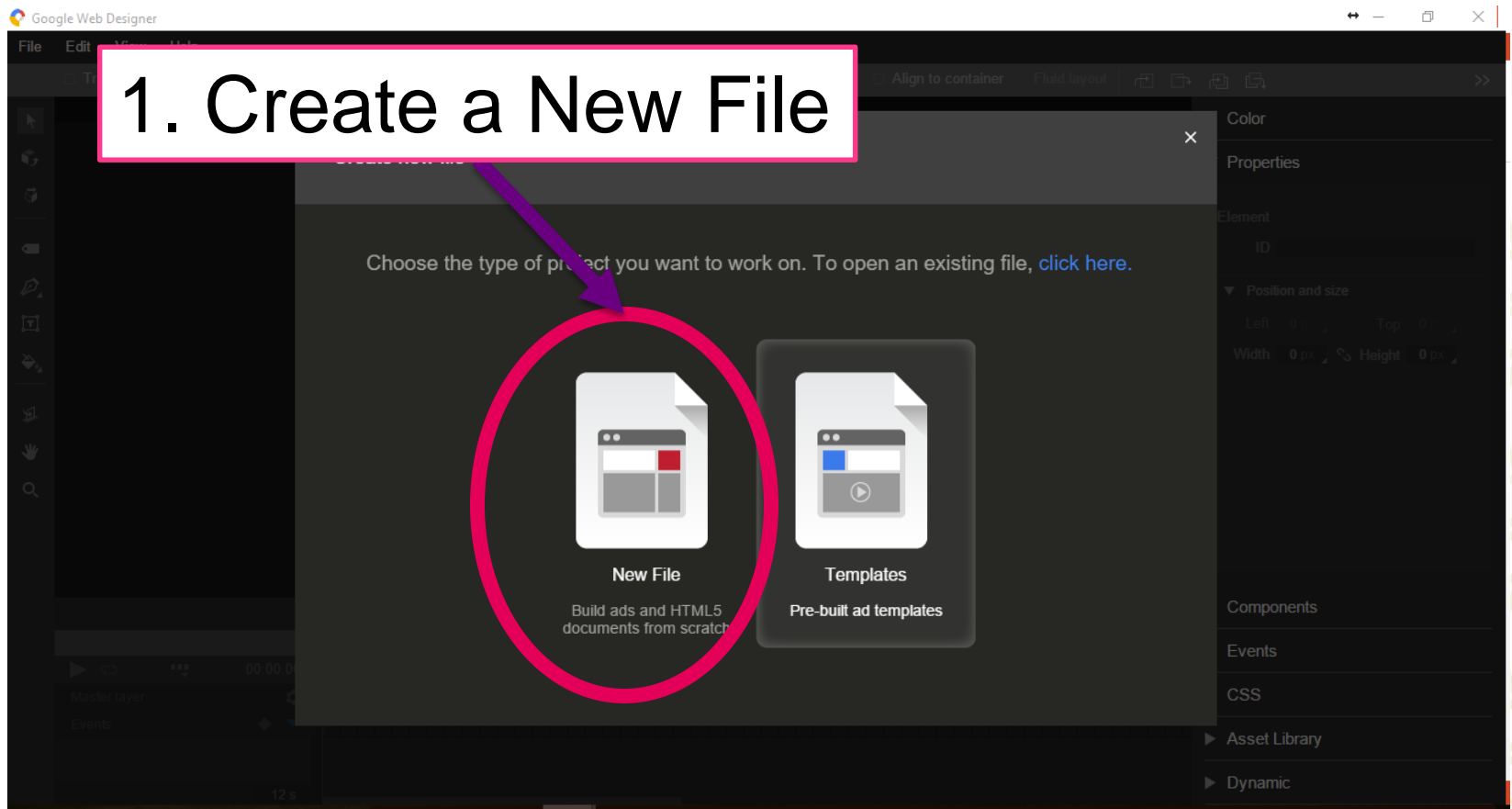
You can download GWD here:

<https://www.google.com/webdesigner/#download-webdesigner>

Download the Images

1. Download the images from
<http://tinyurl.com/j2kudyo>
2. Save it to D:\temp
3. Unzip it

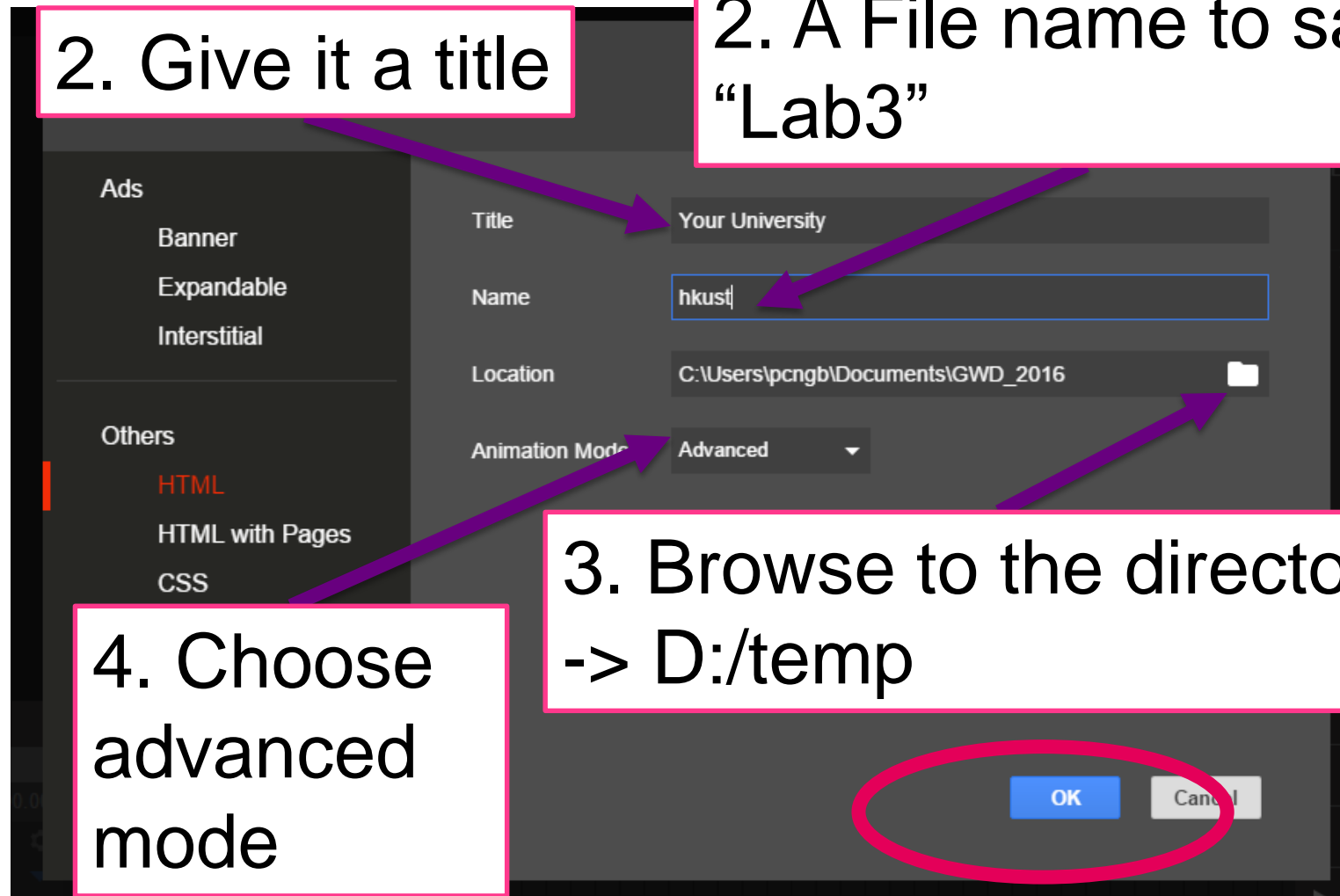
Start a New Project



Name your Project

2. Give it a title

2. A File name to save
"Lab3"



The interface

The screenshot shows the Adobe Animate workspace. At the top is a menu bar (File, Edit, View, Help) and a toolbar with various animation tools. The central canvas displays a collage of three black and white photographs of jazz musicians, with the word 'JAZZ' written in large red letters across them. A red circle with the number '3' is placed over the timeline at the bottom. On the right side, there are several panels: 'Color' at the top, followed by 'Properties', 'Components' (showing a 'Gallery Navigation' component), 'Events', 'CSS', and 'Asset Library' (showing a preview of a jazz musician photo). Below the Asset Library is a table listing assets.

Name	Type	Date
88ceb...	image	8/4/2014...
colen...	image	8/4/2014...
jo_jaz...	image	8/4/2014...
jo_pro...	image	8/4/2014...
Legac...	image	8/4/2014...

1. Toolbar

2. Tool options bar

3. Timeline

4. Color, Properties, Components, Events, CSS, and Asset Library panels

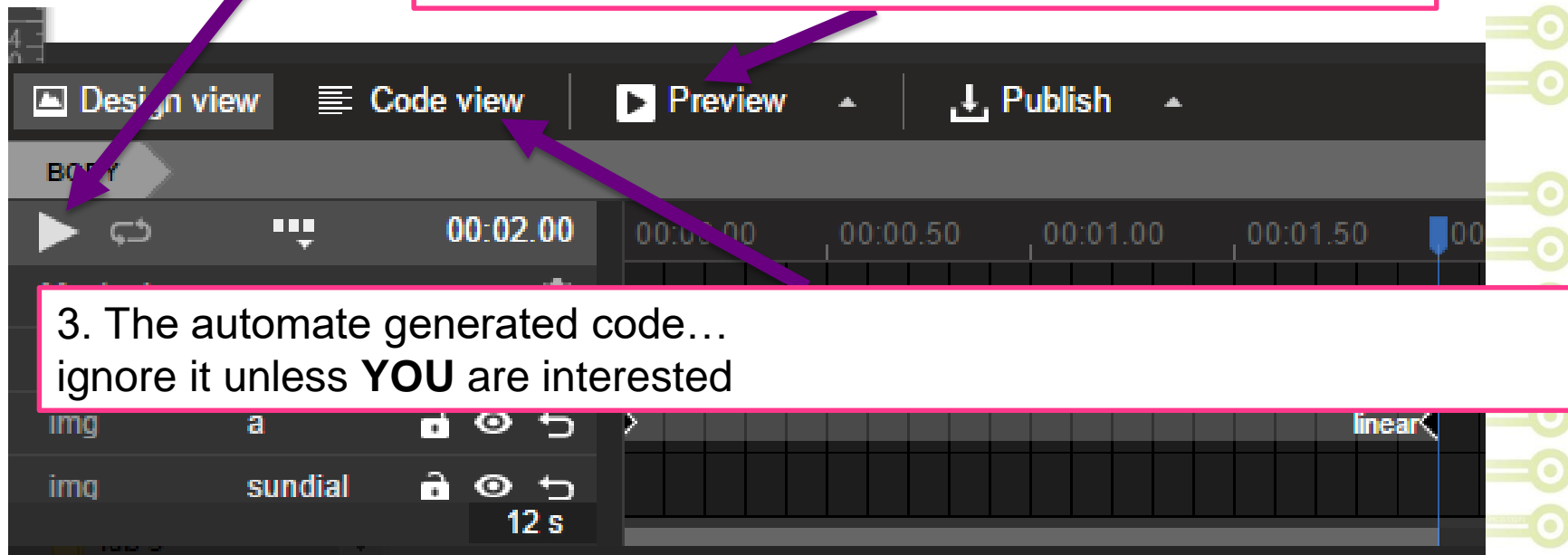
Preview

- To preview the animation

1. Preview your animation on the workplace

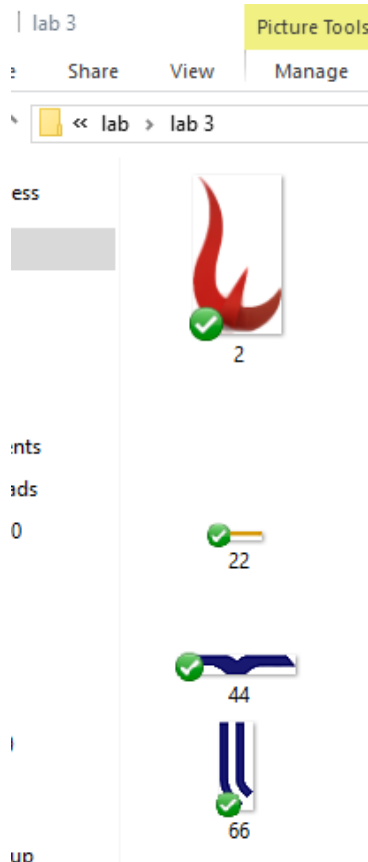
2. Preview on your browser

3. The automate generated code...
ignore it unless **YOU** are interested

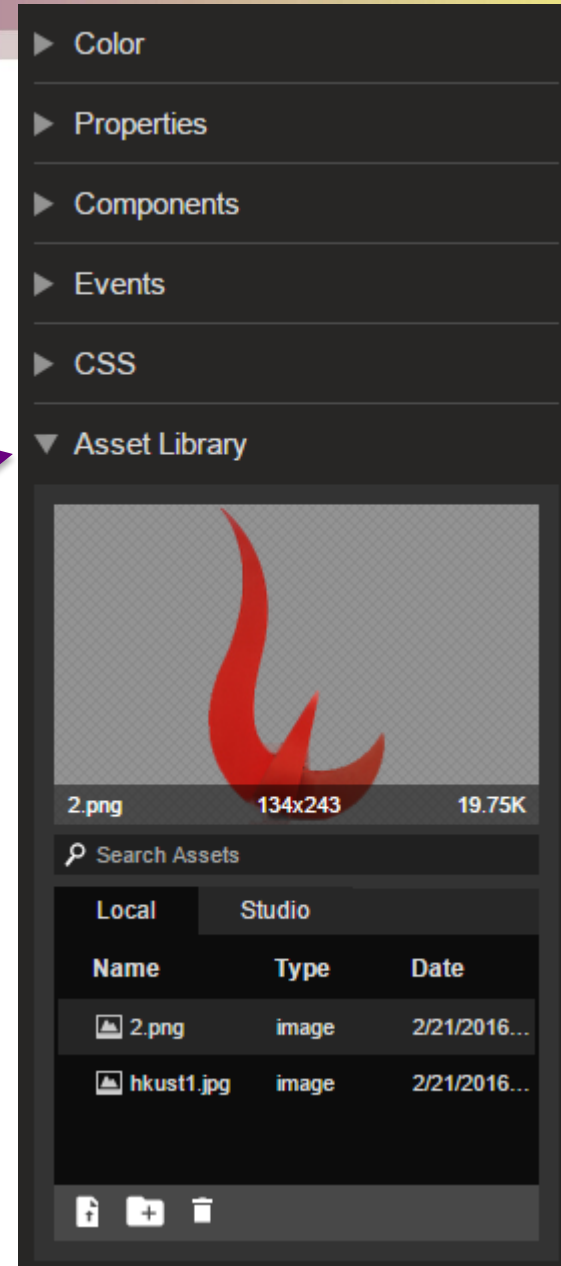


Creating an animation

Load images to GWD



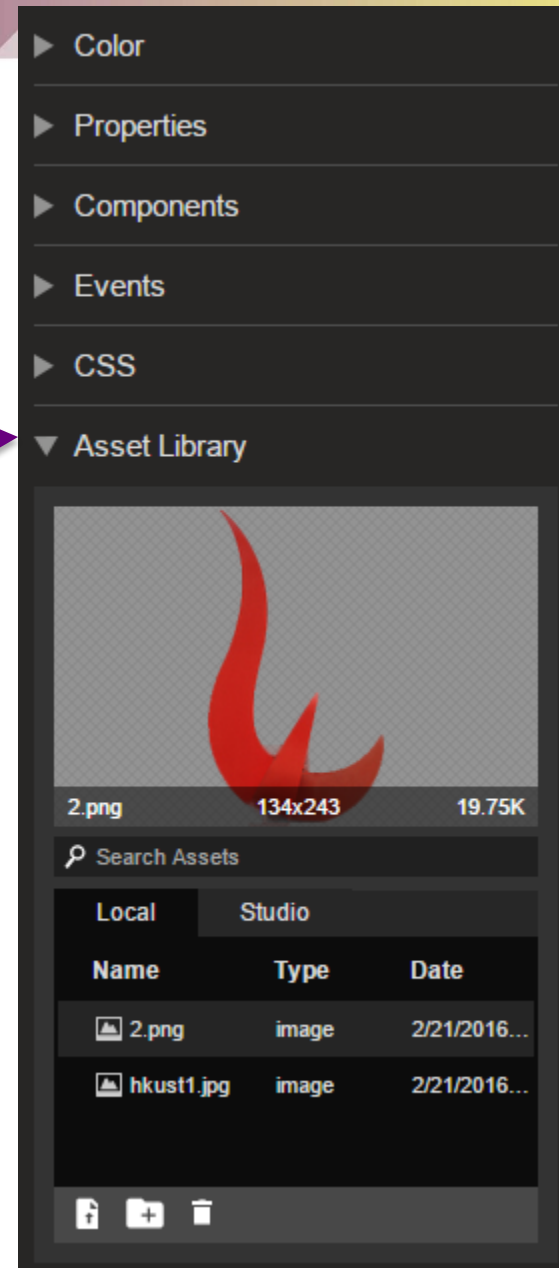
1. Drag the image to the asset library



Creating an animation

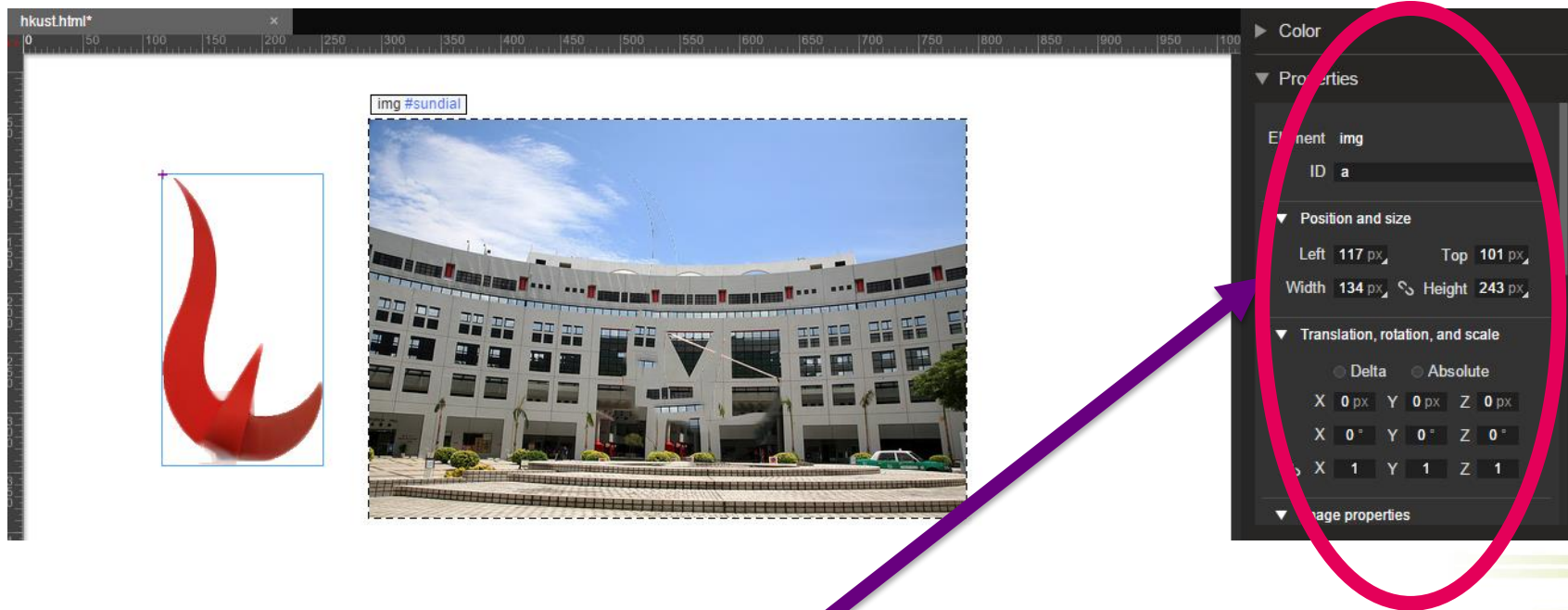
Insert the image

2. Drag the image to the stage, then set a name for it



Creating an animation

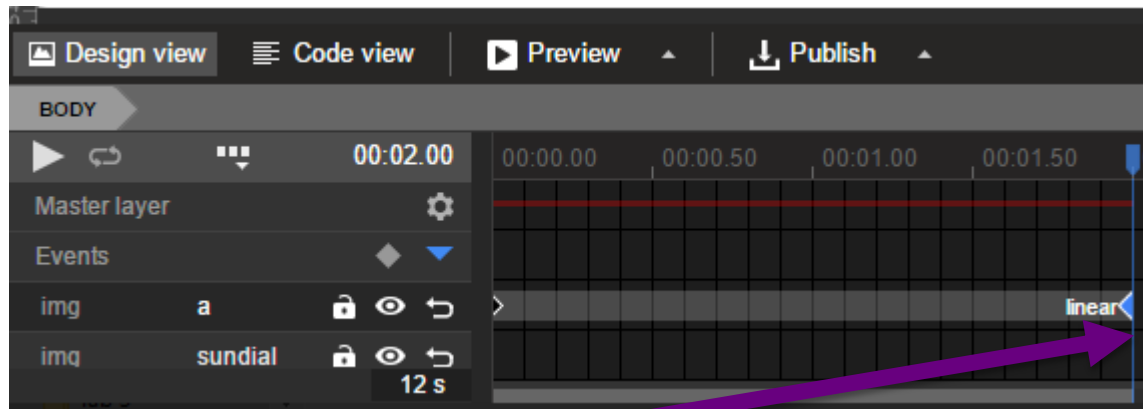
Set the properties of the image



3. Click on the correct object, before modify your setting in properties panel

Creating an animation

Insert a keyframe

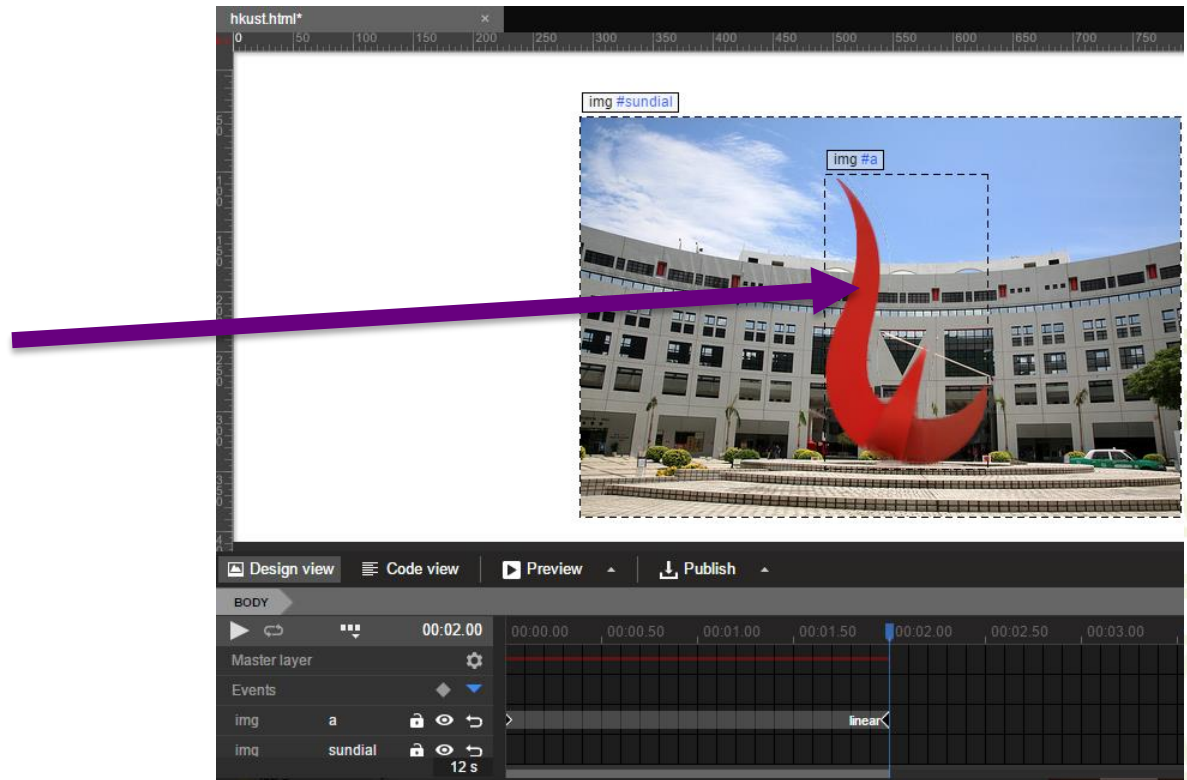


- Insert the keyframe
 - Right click -> insert keyframe
 - F6

Creating an animation

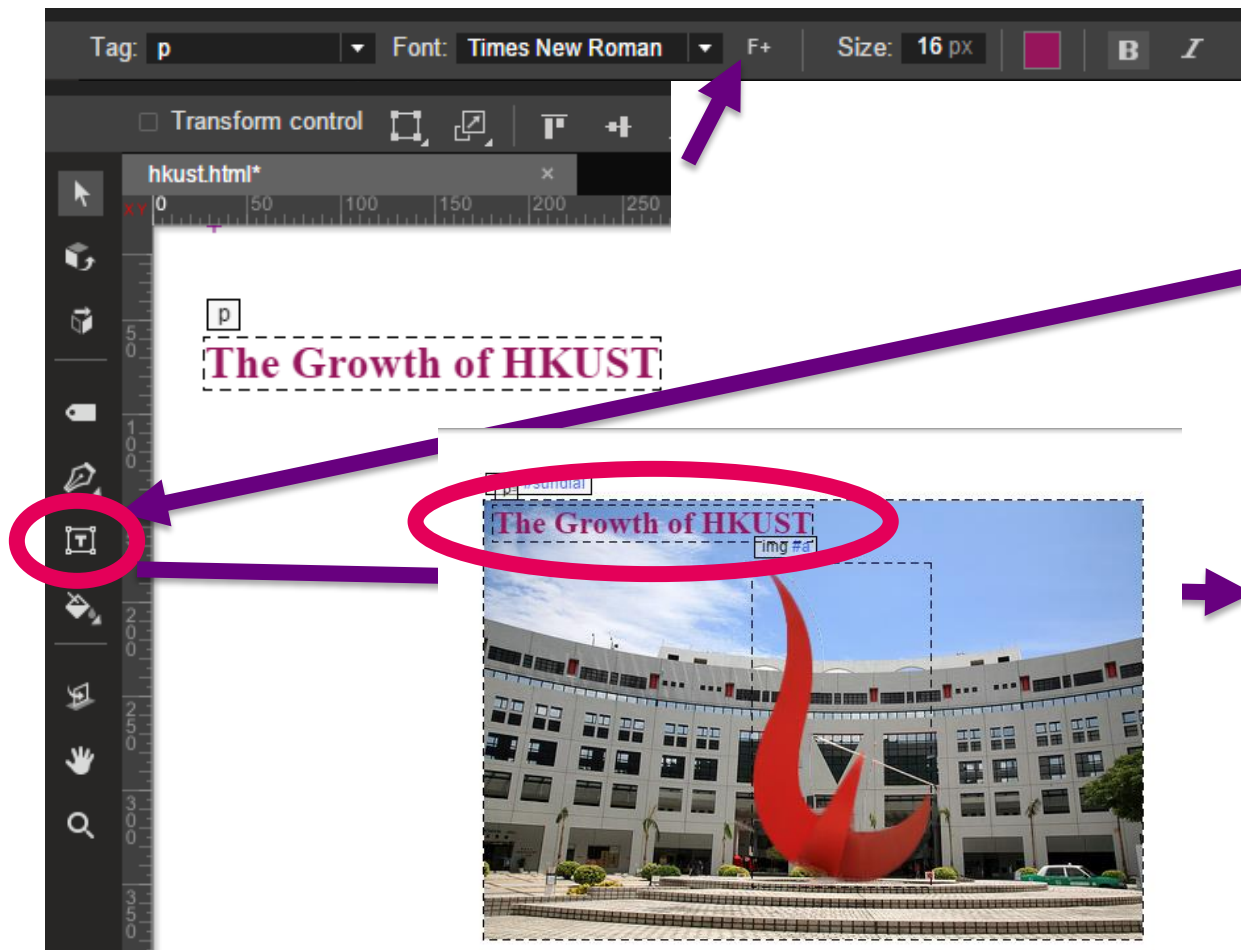
Use transform control to change size

- Increase the size of image “a”.



Creating an animation

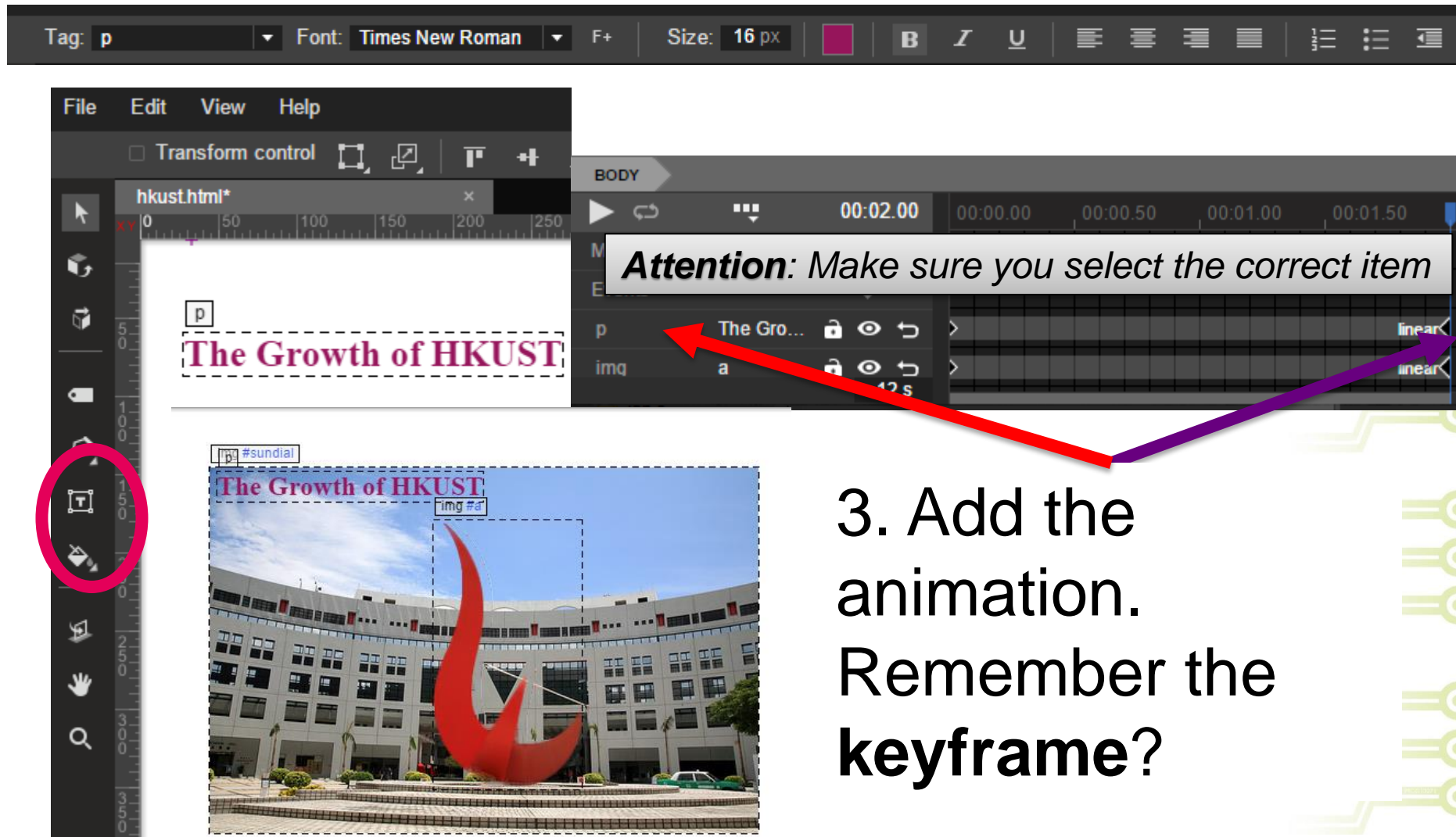
Adding the text to the workplace



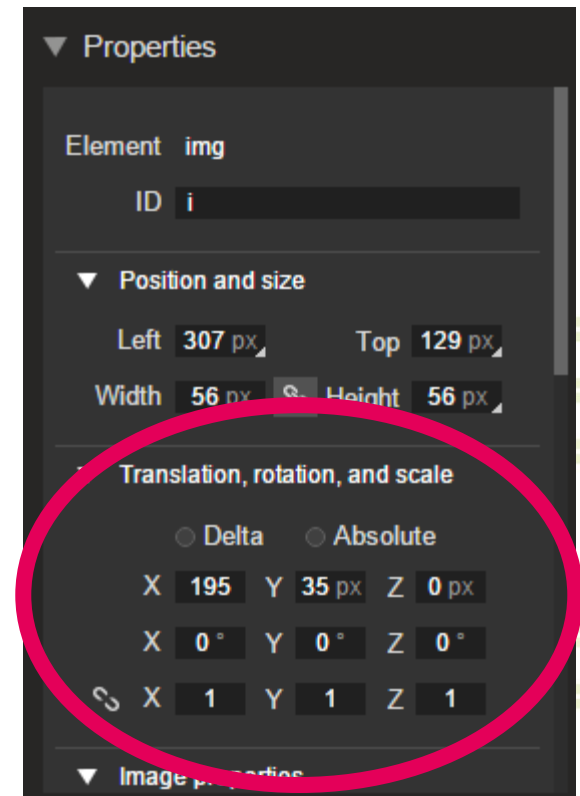
1. Select the text tool

2. The text bar to edit your text

Animate the Text



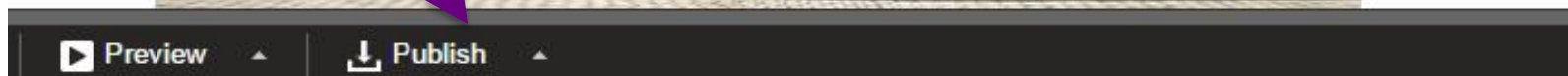
Set the coordinate for the text



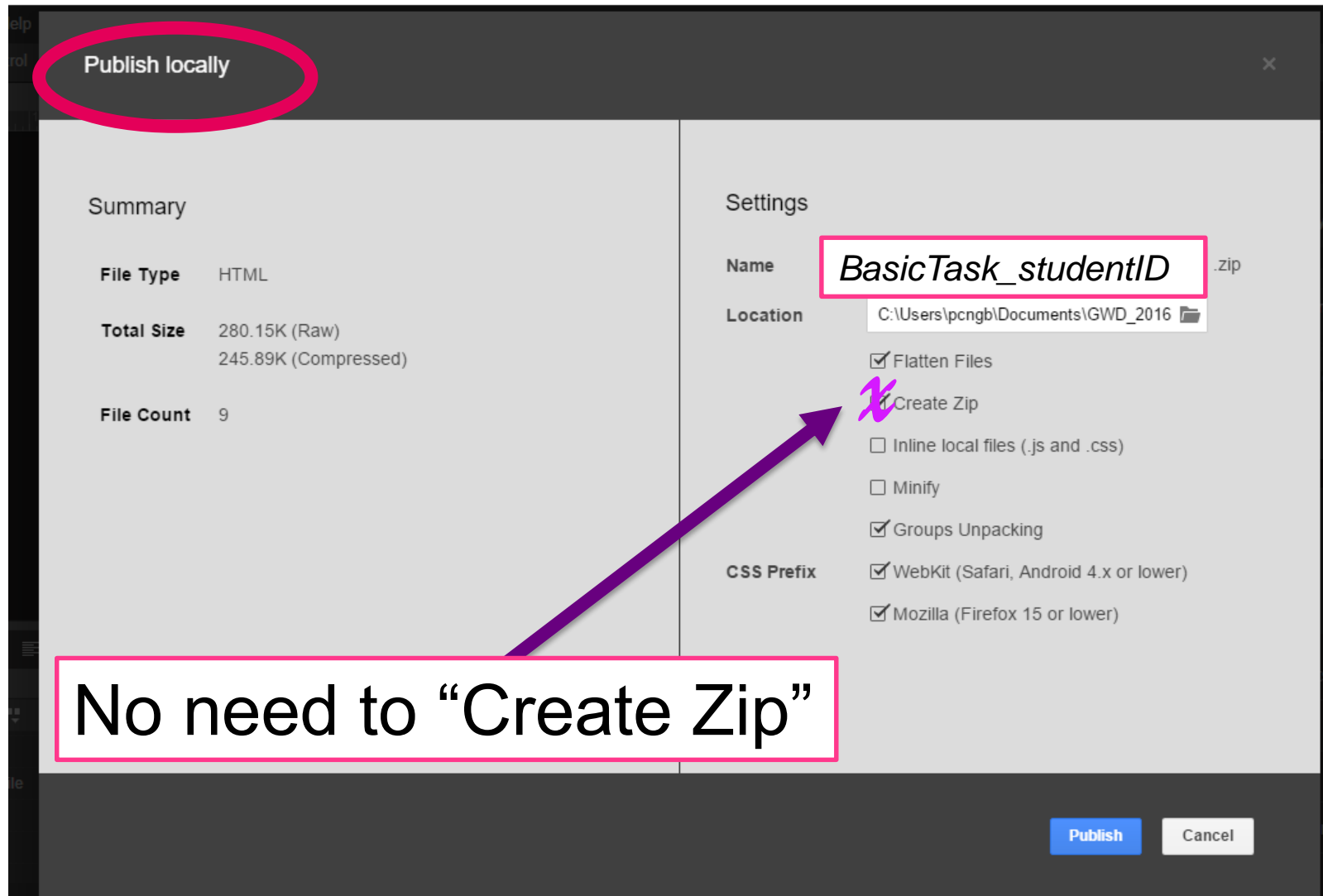
Publish Part 1



Create
here to
publish
your work
locally



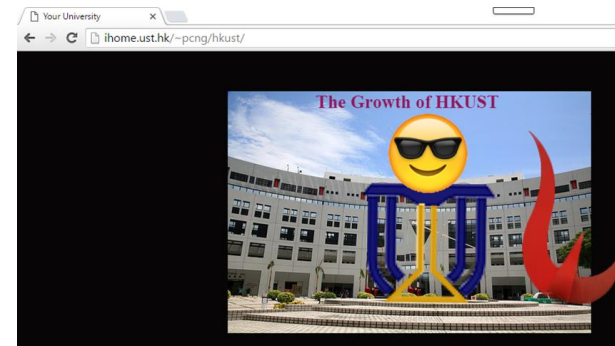
Publish Part 2



Basic Task

1. Complete the remaining parts by applying the techniques learnt in Lab3
 - Animate your HKUST logo to kick out the Sundial
 - Add a smiling face on HKUST logo to indicate the success
2. Upload your work to the iHome
 - Refer to the appendix on how to upload your file.
 - Please seek help from the TAs if you encounter any problems.
3. Upload the link to the course Facebook page

Sample of the Basic Task:
<http://ihome.ust.hk/~pcng/hkust/>



Creative Task

Creative task (**max 2 marks**)

- Create a 7-10s animation for a city with the GIVEN theme
- Apply the techniques you have learnt in today's lab.
- Create a hyperlink that link to the Wikipedia page of the city / Add a background music.
(Bonus: 1 mark)

Submit to the course Facebook with:

- an iHome link to your work
 - student ID
 - **three messages** of your design (in point form)
-
- **Submission Deadline: Tomorrow Noon**
 - **20% penalty** for submitting after the deadline.

Example:

The Belgrade Fortress, Serbia



<http://ihome.ust.hk/~pcng/serbia/>

The Merlion Statue, Singapore

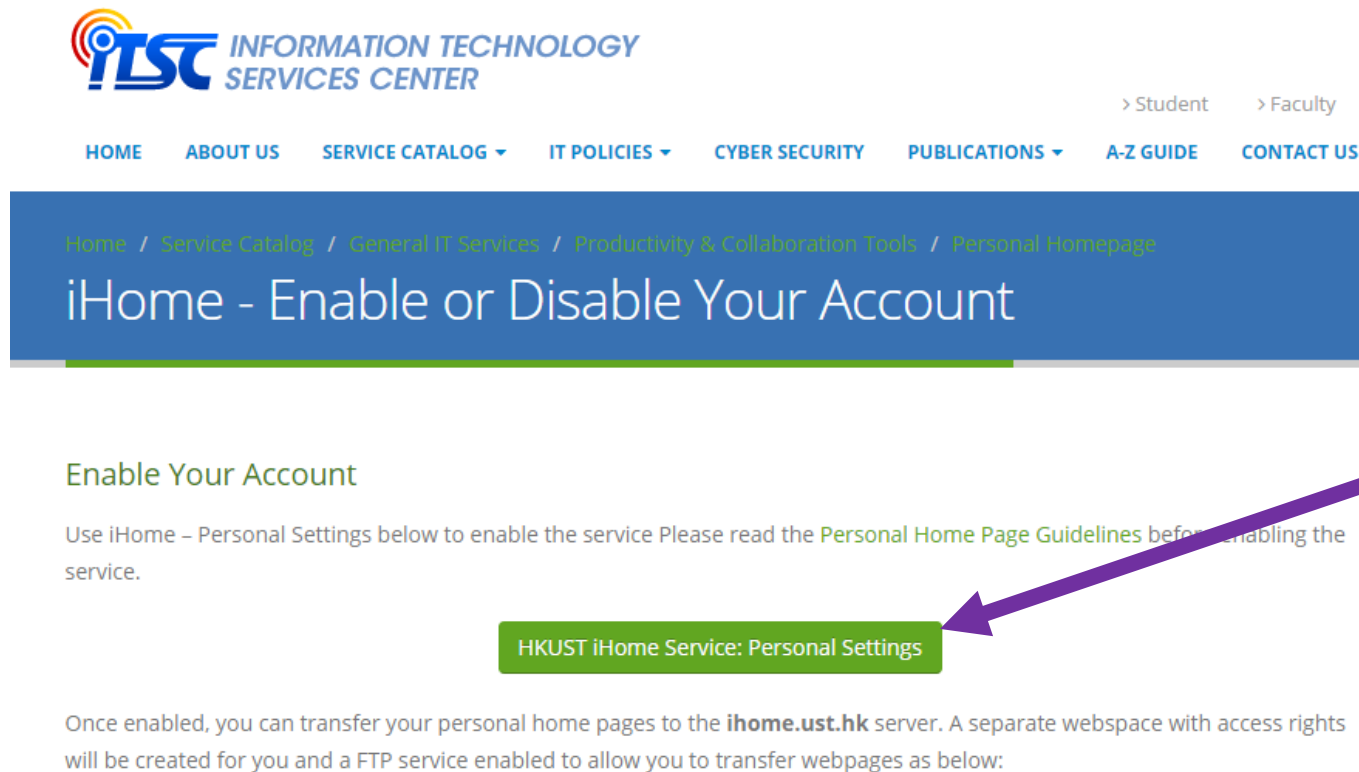


<http://ihome.ust.hk/~pcng/Singapore/>

Appendix

Enable Your iHome Account

1. Go to <http://itsc.ust.hk/services/general-it-services/communication-collaboration/ihome/enable-your-account>



The screenshot shows the ITS Information Technology Services Center website. The header includes the ITS logo and navigation links: HOME, ABOUT US, SERVICE CATALOG, IT POLICIES, CYBER SECURITY, PUBLICATIONS, A-Z GUIDE, and CONTACT US. There are also links for > Student and > Faculty. The breadcrumb trail reads: Home / Service Catalog / General IT Services / Productivity & Collaboration Tools / Personal Homepage. The main heading is "iHome - Enable or Disable Your Account". Below this, the section "Enable Your Account" is displayed. The text states: "Use iHome - Personal Settings below to enable the service Please read the Personal Home Page Guidelines before enabling the service." A green button labeled "HKUST iHome Service: Personal Settings" is highlighted with a purple arrow. To the right of the arrow, the text "Click on this button" is written. Below the button, the text reads: "Once enabled, you can transfer your personal home pages to the **ihome.ust.hk** server. A separate webspace with access rights will be created for you and a FTP service enabled to allow you to transfer webpages as below:"

Enable Your iHome Account

2. If your account status is “Disabled”

3. Click the “change” to enable your account



HKUST iHome Service: Personal Settings

Quick Links

- [Frontpage Extensions Management](#)
- [MySQL Management](#)
- [iHome Add-on Services](#)

iHome Account Setup

ITSC Network Account: **pcng**
iHome Account Status: **Disabled**

[change](#) ▶

FrontPage Extensions Management (Pilot Run)

FrontPage Support : **Disabled**
Other Management Tasks : ● Reset Password for your FrontPage Web

MySQL Management (Pilot Run)

MySQL Support : **Disabled**
Management Tasks : ● Reset Password for your MySQL user id

iHome Add-on Services

Search Engine Support: **Disabled**

Enable Your iHome Account



HKUST iHome Service: Personal Settings


iHome Account Setup

ITSC Network Account: **pcng**

Current iHome Account Status: **Disabled**


Check the option to change account status: ☒ **Enable**
☐ **Disable**

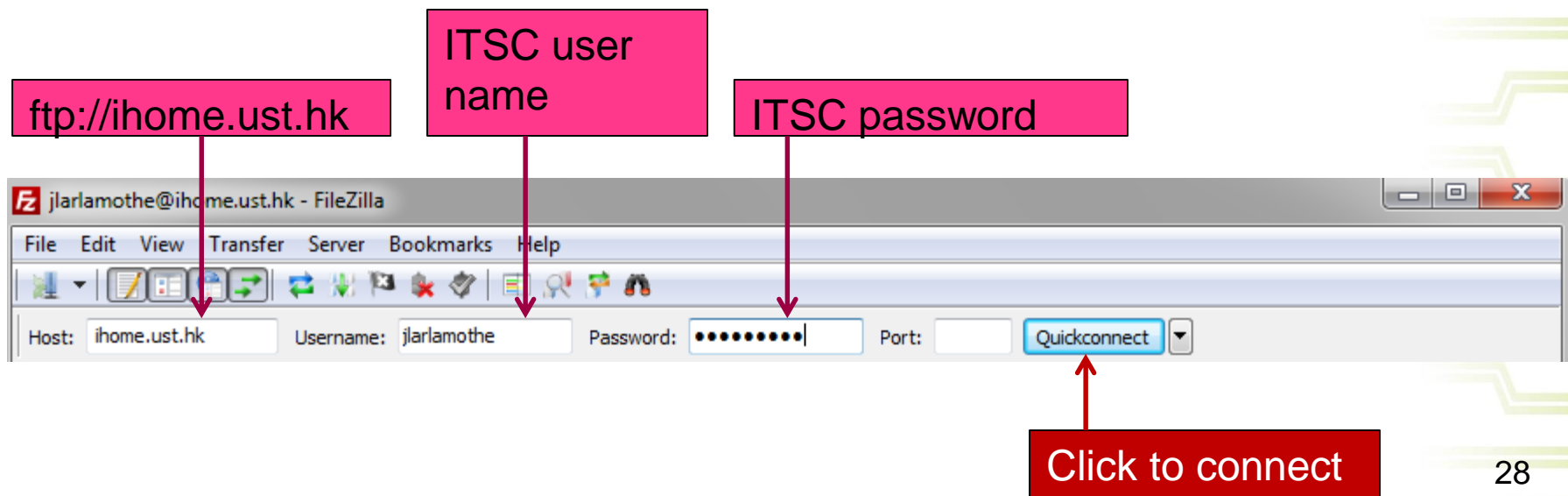
Click one of these buttons will
return to iHome Service Main Menu



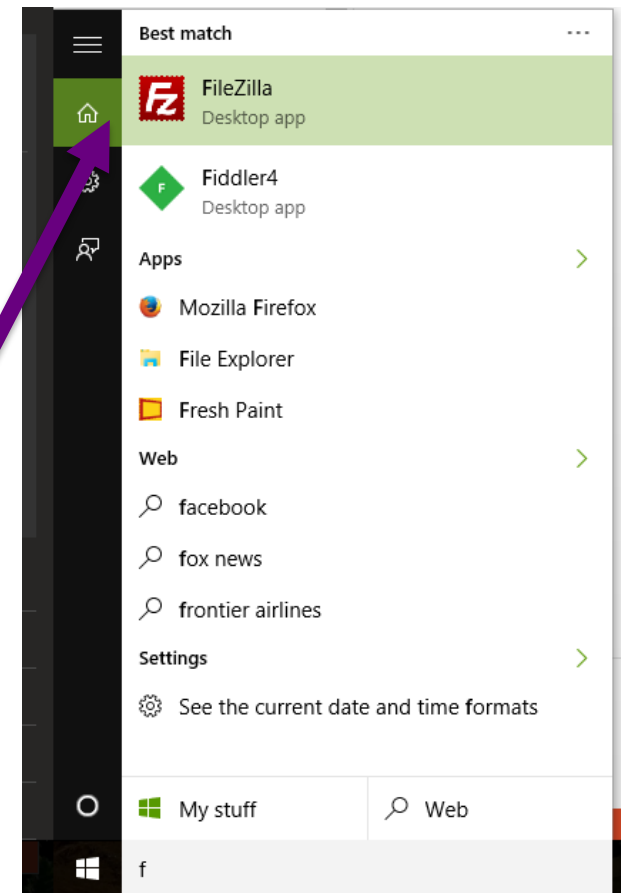
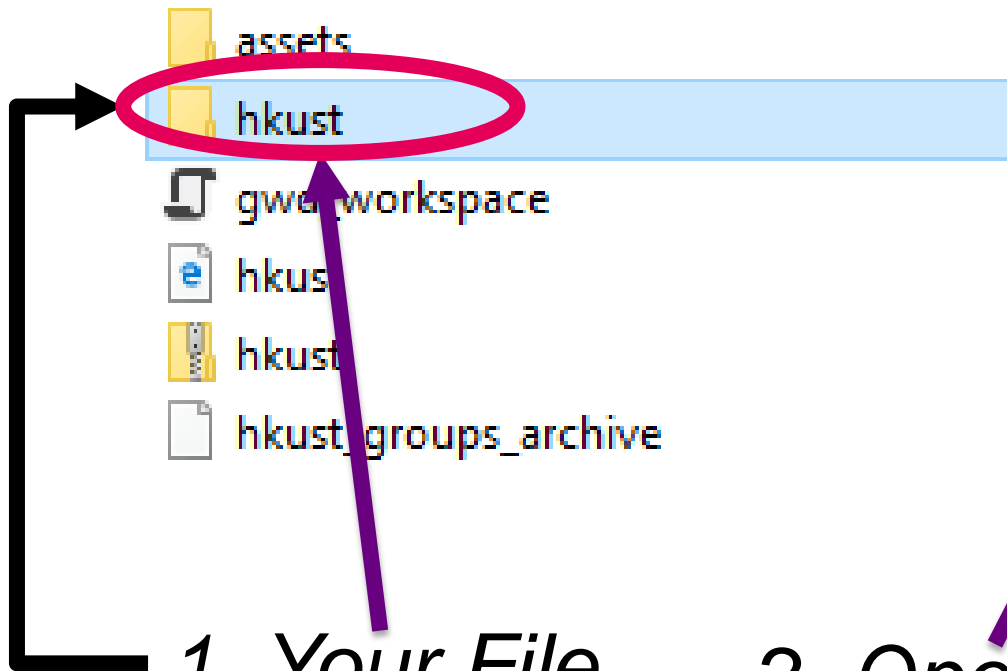
4. Select “Enable” to enable your account
5. Save Change

Upload your Work to your iHome Account

- Open Filezilla.  **FileZilla**
- Complete as follows:



Export Animation to iHome



Export Animation to iHome

The screenshot shows the FileZilla interface with the following details:

- Title Bar:** pcng@ihome.ust.hk - FileZilla
- Menu Bar:** File, Edit, View, Transfer, Server, Bookmarks, Help, New version available!
- Toolbar:** Standard FileZilla icons for file operations.
- Host/Connection Fields:** Host: [empty], Username: [empty], Password: [empty], Port: [empty], Quickconnect button.
- Status Bar:** TLS connection established. Server does not support non-ASCII characters. Connected. Retrieving directory listing... Verifying certificate... Directory listing of "/" successful.
- Local site:** C:\Users\pcngb\Documents\GWD_2016\hkust\
- Remote site:** /
- Local File List:**

Filename	Filesize	Filetype	Last modified
assets		File folder	2/21/2016 11:59:22...
hkust		File folder	2/22/2016 12:08:27...
gwd_workspace	368	File	2/22/2016 12:07:25...
hkust.zip	3,551	HTML File	2/21/2016 11:16:44...
hkust_groups_ar...	252,000	Compressed (z...	2/22/2016 12:07:25...
hkust_groups_ar...	128	File	2/21/2016 11:16:44...
- Remote File List:**

Filename	Filesize	Filetype	Last modified	Permissions	Owner/Gro...
..					
simpleAni		File folder	1/25/2016 8:08:...	flcdmpe (0...	141079 100
simpleA...		File folder	1/25/2016 2:46:...	flcdmpe (0...	141079 100
sMedia		File folder	2/18/2016 1:14:...	flcdmpe (0...	141079 100
- Annotations:** A red circle highlights the 'gwd_workspace' file in the local list. A purple arrow points from this circle to the 'simpleAni' folder in the remote list. The text '3. Send' is written in large black font next to the arrow.

View The Link of Your Uploaded File

URL:

<http://ihome.ust.hk/~ustAccountName/FileName>

