File>create project

create game objects from Create Tab under Hierarchy

NAVIGATION- perspective mode

Hold right click + WASD (front-left-down-middle)

Project contains four folders

Assets:

-within this folder makes a “scenes” folder, “materials” etc, stay organized w subfolders

Library

ProjectSettings

Temp

Project window in unity (on bottom)

basic commands

right-click>create>folder

right-click>create>material (color)

To apply a material to multiple game objects:

1.shift select multiply objects

2.go to inspector window, and scroll to materials drop down section

3. Choose “element”

Game Tab allows you to look through the camera

Assets > import package >terrain assets

assets > import package >skybox

To MAKE YOUR GAME PLAYABLE:

file>build settings…

select web player (easiest)

click switch platform

Add scene to the build:

“click add current”

Click build

Save in project (make a folder called BUILD – usually multiple builds)

\*If the .html file File>build settings

Check “offline deployment” to distribute an offline version (generates .js JAVACRIPT files)

HOW TO USE GITHUB

Go to github.com

go to upper right plus button create repo

git is a source control / backup

commit - snapshot (to save work)

repo - hosts all the commits

local ---push---> remote <---push---

you ---pull---> github

sourcetree (<=== DOWNLOAD THIS)

clone/new

create new repository

... button

go to unity folder

reporitory type: git

folder

.gitignore

select a file in the library/ folder (left click in working copy) right click and click ignore

select ignore everything beneath library

ignore everything in temp/

click on stage all (double up arrows button)

everything gets put on the stage

press commit

lower right stage changes commit mode to stage changes

github click on plus button to create new repo

name it, public

create repository

copy https url

go back to sourcetree (now we have to push them to github)

repository -> add remote

click on add button. check default remote

paste the url

click okay

click on push

check the box

click okay

HOW TO USE MONODEVELOP IN UNITY (CODE IS AT BOTTOM OF THIS DOC)

coding using monodevelop:

unity create folder scripts

create c#

double click after naming

Gen coding vocabulary:

functions = verb (process)

variables = nouns (data)

class = container

“class Mom

age;

CallRobert();

syntax=grammar

save and go back to unity

click console tab

click main camera

attach code to the main camera (drag and drop c#script asset onto main camera)

YOUR HOMEWORK:

- expand your text world! your text world should have at least 6 rooms / nodes... remember a "room" can be a moment in time, or a phase in a branching conversation, etc.

- model a background for your text world using Maya somehow -- really, I just want you to practice using Maya... maybe make a lovely statue to put in the back?

- read 10PRINT, ch. 10 and 15!

PAINT COLORS ONTO YOUR MODEL THAT YOU MADE FOR HOMEWORK!...

- using Maya's "3D Paint" tool... figure it out!

the code for monodevelop (click on the )

using UnityEngine;

using System.Collections;

public class helloworld : MonoBehaviour {

string currentRoom = "lobby";

// Use this for initialization

void Start () {

// if you see"//" that's a comment

// instructions have to go inside functions

Debug.Log ("Hello World");

}

// Update is called once per frame

void Update () {

GetComponent<TextMesh>().text = "Hola Mundo";

if (currentRoom == "lobby") {

GetComponent<TextMesh> ().text += "\nYou are in the lobby. \"Hey,\" says the guard.";

GetComponent<TextMesh> ().text += "\nPress [F] to go to 511.";

if (Input.GetKeyDown (KeyCode.F)) {

currentRoom = "room511";

}

} else if (currentRoom == "room511") {

GetComponent<TextMesh> ().text += "\nYou are at Building Worlds.";

GetComponent<TextMesh> ().text += "\nPress [G] to go to my room.";

if (Input.GetKeyDown (KeyCode.G)) {

currentRoom = "myroom";

}

} else if (currentRoom == "myroom") {

GetComponent<TextMesh> ().text += "\nsssssssssssss";

}

}

}

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GENERAL QUICKSTART / TIPS FOR USING THIS TOOL AND GETTING THE RESULTS INTO UNITY

1) make sure you've selected an object to paint! you also may need to do "Automatic Mapping" of UVs on your model... see [http://download.autodesk.com/global/docs/maya2014/en\_us/index.html?url=files/Mapping\_UVs\_Automatic\_UV\_mapping.htm,topicNumber=d30e220675](http://download.autodesk.com/global/docs/maya2014/en_us/index.html?url=files/Mapping_UVs_Automatic_UV_mapping.htm,topicNumber=d30e220675" \t "_blank)

2) go to the Rendering tab (in the Shelf, which is the row of all those icons) and then \*DOUBLE-CLICK\* on the last icon, the 3D Paint Tool.

3) before you can start painting, you must assign a texture... in tool settings sidebar, go to "File Textures" section, make sure Attribute is set to "Color", then click "Assign/Edit Textures"... you'll want at least 512 x 512, save as .PNG

4) now you can start painting, play with brush settings at the top of the tool settings sidebar, play with colors

5) to save your texture, go to "File Textures" section of tool settings sidebar and click "Save Texture"... look in the lower-right of Maya interface, and it'll print the path of the file... this is where you need to go to get the .PNG!

6) copy and paste the .PNG from there somewhere into your \UnityProject\Assets\ folder, import everything as usual

7) edit the Unity material, and point the texture slot to the .PNG... everything should work now

- for full reference, Maya's documentation is pretty good: [http://download.autodesk.com/global/docs/maya2014/en\_us/files/3D\_Paint\_Tool.htm](http://download.autodesk.com/global/docs/maya2014/en_us/files/3D_Paint_Tool.htm" \t "_blank)

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