

Hands on Lab

**Setting up and configuring course applications and files with
Microsoft 365 Account**



First Steps and Lab Contents

Before beginning the lab make sure to complete step 1 “Introduction and Core Concepts”. Make sure to follow all labeled steps (1,2,3,4,5...).

If you run into problems or have questions please send them to protege@icademyglobal.org.

Contents of Lab

- System and Account Requirements
- Required Online Applications
- Protege MS SharePoint “Game Dev” site
- Installing the sync tool
- Running the sync tool
- Running the Web Server
- Google Chrome Web Browser
- Editing code files in Notepad++
- Your first web app



Software and Account Requirements

You will need the following tools/applications installed on your computer to complete this course. If you do not have any of the software listed here or have a Microsoft 365 account (email) please contact your school's IT administrator or course facilitator listed in the welcome email.

Check to see if these applications are installed on your computer, let us know if they are not.



Notepad++

<http://notepad-plus-plus.org/>



Google Chrome Browser

<https://www.google.com/chrome/browser/>



Java is required to run the Web Server that we will be using for this course

<https://java.com/en/download/index.jsp>




Required Online Applications

Make sure you can access and run these online applications by clicking on the links below. If that will be used online (installed as app through Chrome Browser)

- 1 Open Google Chrome web browser, copy or type the address below into your browser's address bar:



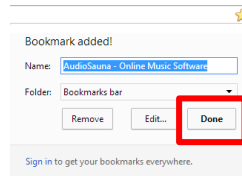
Pixlr (online graphics editor)
<http://pixlr.com/editor/>

 apps.pixlr.com/editor/

- 2 You should see the application splash screen for Pixlr editor, if not please let your course facilitator know.




- 3 Bookmark this link by clicking on the star that is found on the far right part of the address bar. Select 'Bookmarks bar' from the folder drop-down field, click Done to save.



- 4 Follow the same process above to add the next address below to your browser's bookmark bar:



Audio Sauna (online audio creator, local file storage)
<http://www.audiosauna.com/studio/>

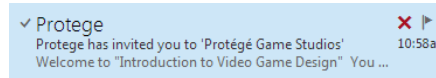
 AudioSauna - Onlin...



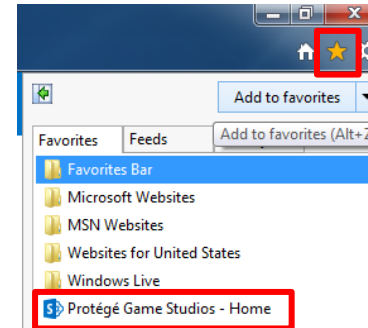
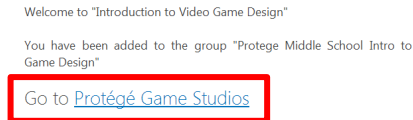
Accessing the Protege Game Studios Class Site

Make sure you can access Protege SharePoint Course Site and access to Class Files library.

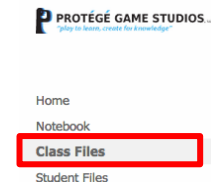
- 1 Login to your MS 365 account (<https://login.microsoftonline.com>), go to your email Outlook application, open an email from Protege with subject line "Protege has invited you to 'Protege Game Studios'".



- 2 Click on the link [Protégé Game Studios](#), once the site is loaded, bookmark this site in your browser.



- 3 Click on **Class Files** on the left navigation panel

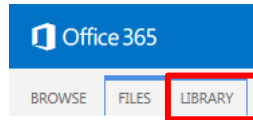


Installing the Sync tool

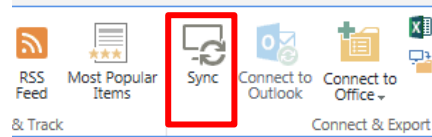
The sync tool allows you to keep files on your computer automatically backed up to your shared folder on Protege Game Studios development site. Keeping files sync' will allow your facilitator and Protege Game Studios to help resolve issues.

NOTE: make sure 'Class Files' library is selected in the left navigation before continuing the lab...

4 At the top left of the screen right under the Office 365 logo you should see the tab with LIBRARY. Click on the LIBRARY tab/link.

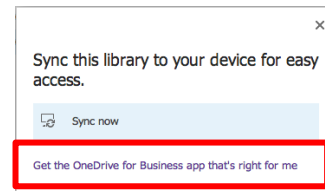


5 This should open the action menu for the Class Files Library, in the middle of the menu you should see the 'Sync' action button. Click on this button.



6 A pop-up window will display asking to Sync now or get the OneDrive for Business app...

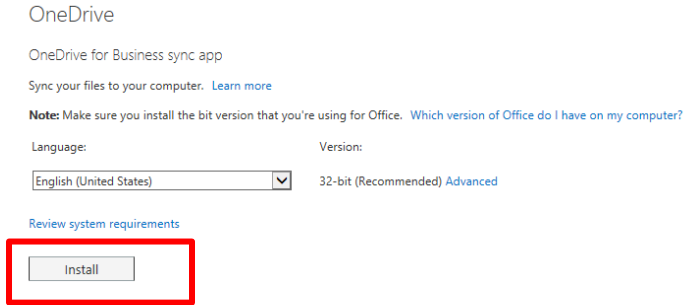
Click on: [Get the OneDrive for Business app that's right for me](#)



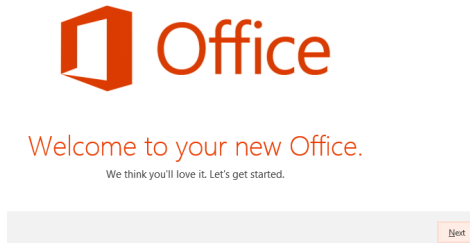
Installing the Sync tool, continued...

Continue installing the OneDrive sync application to your computer...

7 You should see the following prompt, click install.



8 At prompt, click the Next button:



Installing the Sync tool, continued...

Continue installing the OneDrive sync application to your computer...

9 Accept the following prompts and Sign in using your Microsoft account...

a

First things first.

Use recommended settings

Help us improve Office. The information sent to Microsoft helps us make the best software and services for you and is never used to identify or contact you. We take your privacy seriously.

No thanks

[View Privacy Statement](#)

This product also comes with automatic updates. [Learn more](#)

By clicking "Accept" you agree to the Microsoft Office License Agreement. [View Agreement](#)

Accept

b

Sign in and get the most out of Office.

When you sign in, you can save your documents online to access them almost anywhere and share with anyone. Your settings are also online, so you'll always find Office just the way you left it.

[Learn more](#) | [Privacy Statement](#)

Sign in

No thanks, maybe later.



c

Sign in

What email address would you like to use to sign in to Office? (If you already have an account that you use with Office or other Microsoft services, enter it here).

protegestudent@icademystudents.org

Next

d

Sign In

User ID:

protegestudent@icademystudents.org

Password:

Keep me signed in

Sign in

e



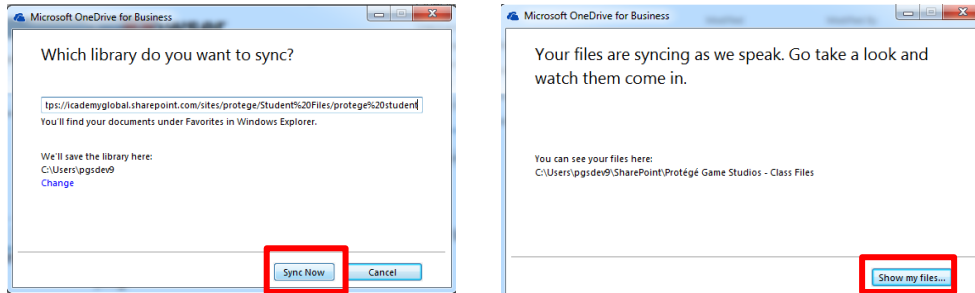
Installed!



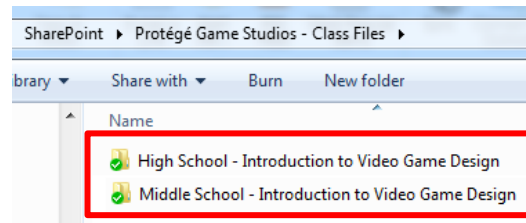
Finish the Sync with Class Files library

After completing the previous steps you should be prompted to complete the Class Files library sync to your local computer.

- 1 If you see the window “Which library do you want to sync? click on the “ Sync Now” button.
If you see “Your files are syncing as we speak...” click on “Show my files...”.



- 2 Depending on what class you are in (HS or MS) will depend which folder you will see



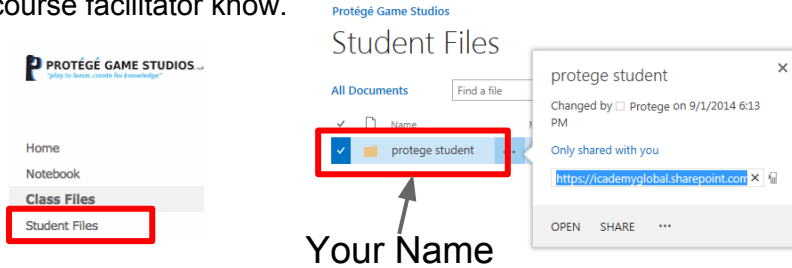
Green check boxes on folders indicate files have been successfully copied down to your computer and are in sync with Protege SharePoint Course site. If you are online, any updates to these files will be copied down to your computer.



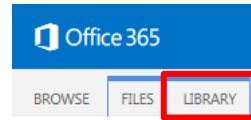
Sync your student folder

The student folder is your work area for completing the modules in this course. The folder resides under the Student Files library.

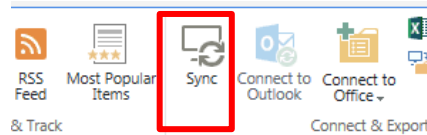
- 1 Click on **Student Files** on the left navigation panel. A folder with your name should display, if not, let your course facilitator know.



- 2 With **Student Files** still selected, click on the LIBRARY tab/link like you did for Class Files.



- 3 Click on the 'Sync' button to copy the Student Files Library to your computer, you will be prompted again as before. Both Class and Student libraries are now copied and in sync with your computer.



Copy folders from Class Files to Student Files

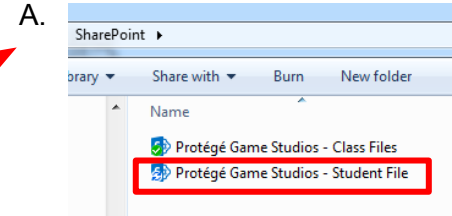
Each module in this class will require you to copy the Class Files library module folder on your computer to your Student Files/Folder on your computer. This process will save time in not having to download individual files from the SharePoint site.

- 1 Open the local SharePoint sync location where both the Class Files and Student Files have been copied to your local computer.

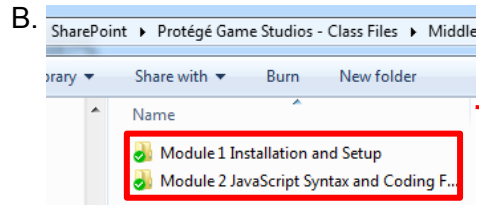
NOTE: Sync location usually found under the **C:\Users\<current user>\SharePoint**. If you can not find the SharePoint sync location on your, try running the sync again. Once you have the location, you will want to bookmark this location.

Once the location is found, do the following:

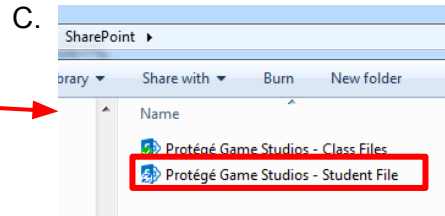
- A. Double click on Protege Game Studios - Class Files
- B. Select and copy both Module 1 and Module 2 from Class Files folder
- C. Go back to SharePoint (root) folder, open folder: Protege Game Studios - Student File
- D. Open your Student Folder and paste both Module 1 and Module 2, let time for it to sync back to your student folder



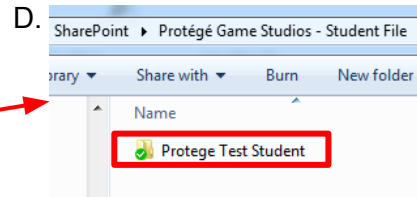
select and copy both modules...



open Student File library...



open your student folder and paste...



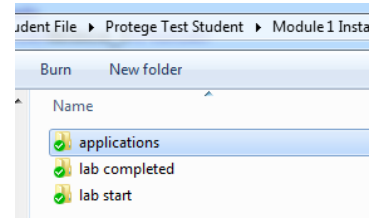
Green check boxes on folders indicate files have been successfully in sync with your student folder on Protege SharePoint Course site.



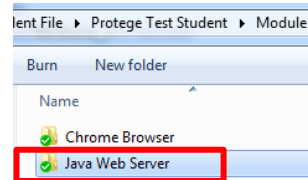
Unzipping the Web Server jar file to the desktop

The web server is an executable .jar file that needs to be run everytime you want your code files to display in the browser. The best place for this to exist will be on your desktop (in Windows 8, use the Windows Key + D or click on the desktop tile).

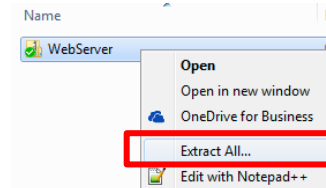
1 In file explorer, go to your local sync location and open Module 1 Installation and Setup folder.



2 Then open applications/Java Web Server folders



3 Right click on the WebServer zip file (has folder with zipper as its icon), from file context menu select “Extract All...”

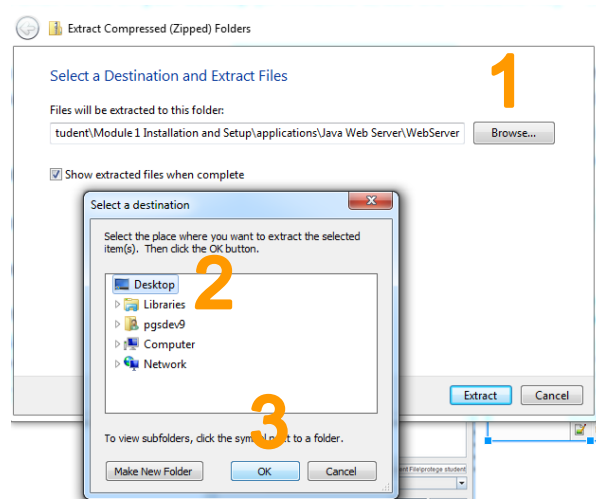


Unzipping the Web Server jar file to the desktop

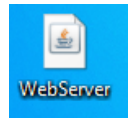
This will unzip the WebServer jar file to your desktop, to access from Windows 8.1 Start screen hold down the Windows key + the D key or click on the desktop tile.

Steps:

1. On the “Select a Destination and Extract Files” window, click Browse.
2. On the “Select a destination” window, click on Desktop in the folder panel
3. Click OK button



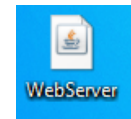
4. The jar file is copied to your desktop:



Running the Web Server

1 Go to your desktop (Windows 8, Windows Key + D, or click on desktop tile from start)

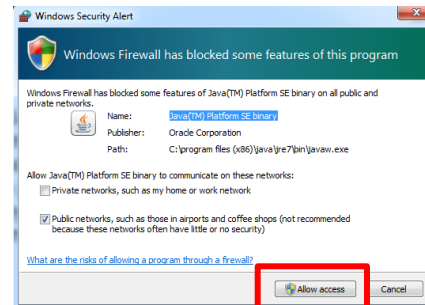
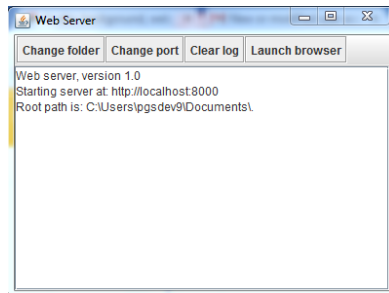
2 Locate and double click on the WebServer.jar file you unzipped in the previous steps to run



NOTE: if you receive an error stating an unrecognized command or nothing runs, then Java may need to be installed on your computer by your IT admin.

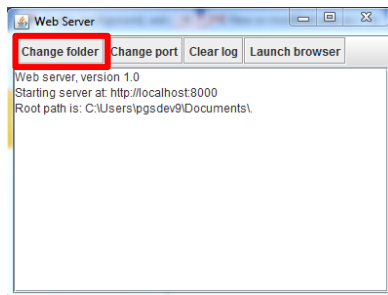
3 If you receive the following Windows Security Alert, click the “Allow access” button.

4 If successful, you should see a window like this:

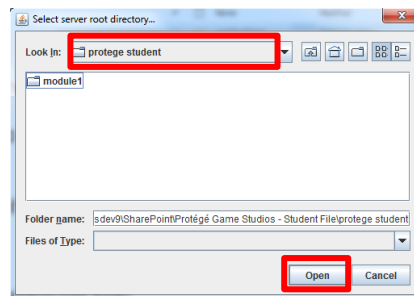


Running the Web Server, continued...

5 Click on the “Change folder” button



6 From the “Look In:” drop-down folder, navigate and select your local SharePoint student folder (in this case, we are using “protege student”, yours will be your name). Then click the Open button.



7 Congratulations, your server is running!

NOTE: Do not close the Web Server window the next steps in the Lab require the server to be running. If for any reason you have to step away from the lab and close the server, just double click on the WebServer file again to run. Make sure it is pointing at the directory you want the files to run in a web server.

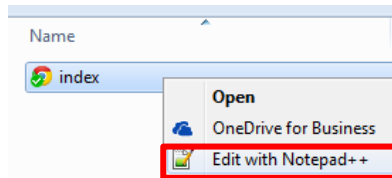


Editing Code Files with Notepad++

Notepad++ application should be installed for all students taking “Introduction to Video Game Design” course. If you do not have this application installed please notify your IT Administrator or course facilitator.

1 Open “Module 1 Installation and Setup” in file explorer under your local student sync folder
...\\SharePoint\\Protégé Game Studios - Student File\\Protege Test Student\\Module 1 Installation and Setup

2 Click and open “lab start” folder, and then **right-click** on index.html to bring up context menu for file...



3 Find and click on “Edit with Notepad++ in menu.
NOTE: if you do not see Notepad++ in the selection, try clicking away from the file and try again. If you do not see this selection then you might not have Notepad++ installed on your computer, please contact your IT administrator.

Notepad++ editor should load the index.html file into its editor with this code:

```
<html>
  <head>
    <!-- header content -->
  </head>
  <body>
    <!-- body content -->
  </body>
</html>
```



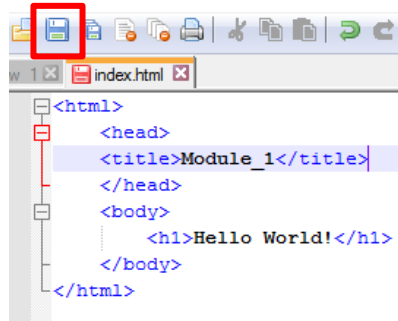
Editing Code Files with Notepad++, continued...

Student downloads/runs notepad++, open index.html from sync location, make edits, sync and run in refreshed Chrome Browser.

4 Edit index.html so it matches the following:

```
<html>
  <head>
    <title>Module_1</title>
  </head>
  <body>
    <h1>Hello World!</h1>
  </body>
</html>
```

5 Save the file with keyboard shortcut <Ctrl> + S or, click on the save icon on Notepad++ toolbar.



The screenshot shows the Notepad++ interface with the save icon (a floppy disk) highlighted in the toolbar. The code editor displays the following HTML code:

```
<html>
  <head>
    <title>Module_1</title>
  </head>
  <body>
    <h1>Hello World!</h1>
  </body>
</html>
```

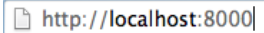


Your first web app...run index.html on the Web Server

This is the last step in getting you familiar with the tools and files we will be using for this course. Make sure you create shortcuts and bookmarks.

NOTE: these steps can be accomplished using Internet Explorer Browser, but future modules will require the Chrome browser

- 1 Open your Google Chrome Browser and type the following into the address bar: <http://localhost:8000>



- 2 Your browser should display the links to the modules, click on Module 1 Installation and Setup/

Directory listing of: C:\Users'

- [Module 1 Installation and Setup/](#)

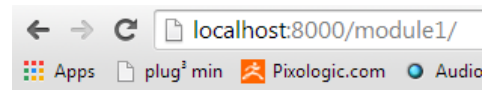
- 3 Click on the link "Module 1 Installation and Setup"

Directory listing of: C:

- [\[Up a directory\]](#)
- [applications/](#)
- [lab_completed/](#)
- [lab_start/](#)

- 4 Click on the link "lab start/"...you should see the following displayed in the browser:

NOTE: if you do not see Hello World!, make sure you saved the file in notepad++, making sure to refresh your browser (F5).



Hello World!



End of Lab

Conclusion & Key Points

Congratulations you have made it through the installation and setup of the tools and files that you will need to complete this course!

- You may have to refer back to this Lab if you forget how to run the web server or how to get access to your sync files.
- If you run into problems using the Sync tool, you can manually download the files you need to run, just making sure the web browser is pointed to the same directory/folder.
- If you run into any issues using this lab or setting up your computer please send an email to protege@icademyglobal.org.

The Protege team is looking forward to seeing you at the Studio!

