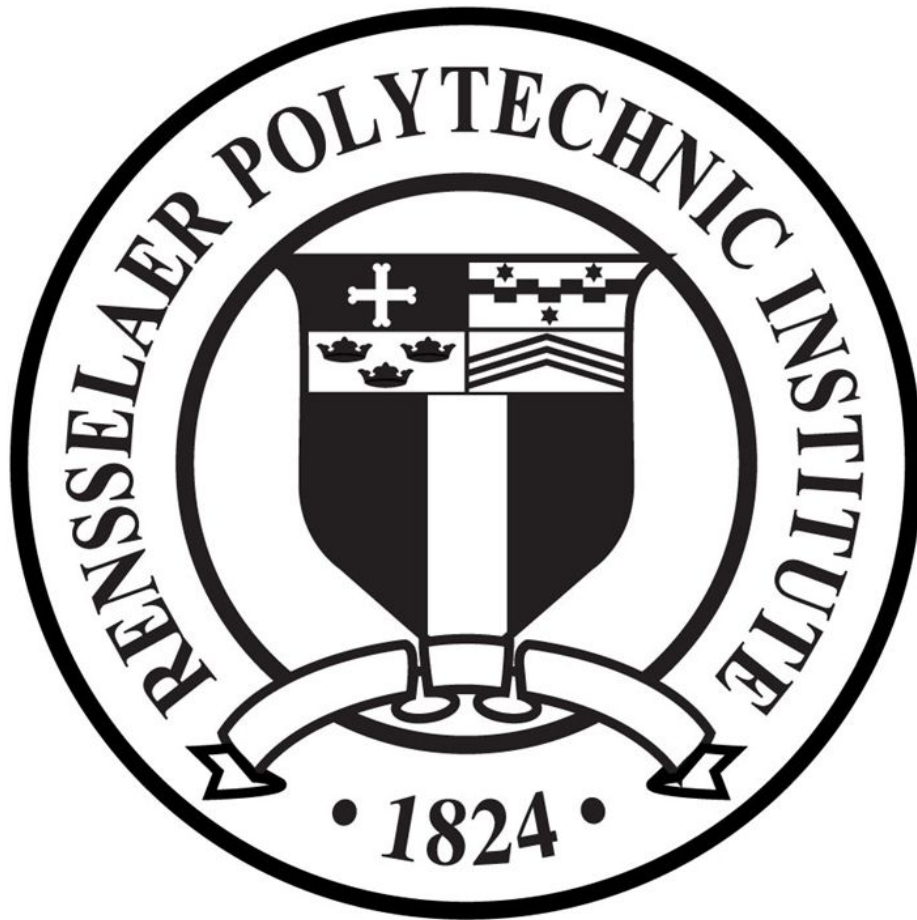


Homework #1

ITWS 4700/6700 Software Development



Isaac Llewellyn

2020

ITWS 4700/6700 Software Development

This is an individual assignment. However, you can work with a group to discuss ideas and technical issues.

This assignment is to host your personal website on your computer.

Purpose

- Review/learn/enhance the knowledge on web server, http protocol, HTML, CSS, etc.
- Introduce yourself, get to know each other, and build a good learning atmosphere
- Motivate learning by sharing knowledge and experience
- Prepare for your job interview

Requirement Details

- 1. Install a web server on your computer to host your website. The help file for installing Apache HTTP Server is provided as well as the videos downloaded from YouTube. You could also choose your preferred webserver.**
- 2. Create and map your own website domain name instead of using the default IP address 127.0.0.1/localhost to display your website.**

- 3. Organize your web files in structured directories:**

./index.html (or index.php) (The landing home page of your website)

./image/ (where you have images)

./css/ (where you have your cascading style sheet(s))

./html/ (where you have your html files)

./php/ (where you have your php files if you use php)

Or more subdirectories

Note: The submission should only contain the files to be used. Clean any not used directory and files.

- 4. Develop web pages using HTML or PHP or any other languages you prefer.**
- 5. Use one or multiple Cascading Style Sheets (CSS) to present/format your webpage.**
- 6. Implement the page title, header, body, div tag, table, images, links, etc.**
- 7. Include the following contents in your web pages or more:**

- **Welcome message**
- **About yourself**
- **Your educational background**
- **Your software development experience, such as summer internship, school projects, working experience, etc., if you have.**
- **Pictures**
- **Your hobbies**
- **Your favorite links for study or fun**
- **(Optional) Any other technology/things you would like to include, such as google map, etc.**

8. Write a report to describe your work. The report must include the following:

Your website deployment environment: OS and the web server deployed:

My chosen website deployment environment is using OS X Catalina with the “Ampps” software stack provided by Softaculous. It uses apache, php-77.3, and MySQL.

The language and the IDE used for the development:

For this project, I have chosen to use HTML, Javascript, and CSS. My IDE is sublime text manager as well as <https://html-online.com/editor/>, and google chrome for testing.

Your website domain name and how you implemented the domain mapping:

My website domain name is localhost, or, as I have modified my systems host configuration file at /etc/hosts, to route <http://isaac.llewellyn> to 127.0.0.1, it works via the name as well.

The website deployment directory structure:

The website deployment directory is called WWW. Within the folder is located the index.html, along with a folder for images, css, and javascript called “img”, “css” and “js” respectively.

Any extra interesting techniques or features applied:

I used <https://github.com/h5bp/html5-boilerplate> to help get me started as a building block for this project.

The screenshots of your web pages to show your development work:

Hello everyone!

This is my (Isaac Llewellyn's) website!

Below, you can see me and below that get information about me!



Information about myself:

I am an ITWS co-terminal student at RPI with a concentration in Information Security. From the illustrious state of New Jersey, I have found many opportunities for learning in the great Capital District.

My educational background:

My coding experience begins around middle school with Python. Officially learned coding during AP Computer Science in Highschool. During my tenure at RPI from 2016 until now, I have been continuing my education.

Software Development Experience:

I have developed software since middle school. Starting with a python script to help me merch on Runescape, I began a deep dive into coding. I have developed software for the ITWS class Managing IT Resources as well as Data Structures, Computer Organization, Network Programming, and Cryptography and Network security to name a few projects.

Hobbies:

ITWS 4700/6700 Software Development

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Hobbies:

My hobbies include Snowboarding, Hiking, Music, Video Games, Driving, Cryptography, Learning, and Sleep

Links for study and fun:

Amazing fun GLSL: <https://glslsandbox.com>

Good HTML5 Fluid Sim: <https://haxiomic.github.io/GPU-Fluid-Experiments/html5/>

Cool Tech:

The best place to find new and exciting technology: <https://github.com/trending>

The report must be well structured and formatted including page numbers. The Microsoft table content is recommended.

The report is used to evaluate your work for grading in addition to your development work.

9. Present your website to the whole class in about 5 minutes. Show your web pages, mapped domain name, your directory structure. Speak clearly, precisely, and fluently with good voice level and eye contact to the class. Please test your computer/projector connection before your Presentation.

You could earn up to

5% extra credits if you exceed the required requirements, such as include the google map with search function, animation, etc.

Grading criteria

Website implementation for all requirements: 75%

Report quality: 15%

Presentation: 10%