

# Programming for Entrepreneurs

School of International and Public Affairs

Spring 2018

Final Project

**Due: Feb 15th, Thursday, 11:59pm**

Most of the backend coding for Final Project can/should be based on HW2 code. If you had HW2 working, your main task will be improving frontend design (HTML/CSS) + setting up DNS so that your application can be accessed from yourdomain.com and getting feedback on your web application from a couple of target users.

## What to Turn In?

- **Short Report (30 points)**
  - o A very short report as described below
- **Code (70 points)**
  - o Add all your code in 1 folder or (subfolders) and upload the folder into canvas

### Part 1. Write a short report (30 points)

- userid/password for admin login (3 points)
- userid/password for regular user login (3 points)
- yourdomain.com where we can access your web application (5 points)
- Describe your Minimum Viable Product (MVP) (5 points)
- Describe your customer segment (5 points)
- Get 3 people to use your application and get feedback on the value proposition of your web application (9 points)

### Part 2. Build a Web Application (Coding part – 70 points)

The final project is building a web application for your startup idea. Think about the web application that you want to build that you believe is going to be useful for your potential customers. Usually, you interview many customers before you start coding anything; but this class is particularly focused on honing your programming skills. Hence, the final project is coding the dream web application

you have always wanted to build.

1. You can build your web application on top of HW2 code. Your web application needs to have at least 4 html pages. These 4 pages should be accessible by clicking on 4 menu items at the top. These 4 menu items should be the following – i) Home ii) Product iii) Pricing iv) About Us. When you click on each of the menu item it should load a separate page. (12 points)
2. Backend - functionality requirement (15 points)
  - a. Signup – that allows anyone to signup (5 points)
  - b. Login – that allows login (5 points)
  - c. Admin - that can list of users (provide admin userid and password) (5 points)
3. Frontend – HTML/CSS requirement (30 points)
  - a. Frontend Code
    - i. You should write HTML/CSS for landing page and other pages in the web application such that visual design is appealing for all pages. (20 points)
    - ii. Understand how the login form is styled in Classwork2.html using Twitter bootstrap elements and style the button to look different by either changing the color of the button or changing the class of the button. (Hint: look at code in <http://www.tutorialrepublic.com/twitter-bootstrap-tutorial/bootstrap-buttons.php>) (10 points)
4. The final project needs to be running on the web (AWS server or any other server vendor of your choice) (6 points)
5. DNS for your web project need to be set so that we can access the web application using - [www.yourdomain.com](http://www.yourdomain.com) (7 points)

**You will lose points if you fail to follow the submission instructions.**

You must compress the following files into a single ZIP file. The name of the zip archive must include “FINAL” and all UNI’s from your group (example:

FINAL\_abc1234\_def5678\_ghi9012.zip). This file should be submitted to courseworks.

- A PDF document for your report (must include the web address (AWS IP address) that has the above dynamic site up and running)
- All the relevant HTML, CSS & PHP code

Appendix:

Creating a zip file:

windows: <http://windows.microsoft.com/en-us/windows-8/zip-unzip-files>

mac: <http://macs.about.com/od/faq1/f/How-To-Zip-And-Unzip-Files-And-Folders-On-A-Mac.htm>