"Here is the link to test my individual assignment URL http://jimmysyeung.atwebpages.com" (Provided URL should directly execute the form). Make sure the URL is accessible to all (not only Prof. Petkovic))

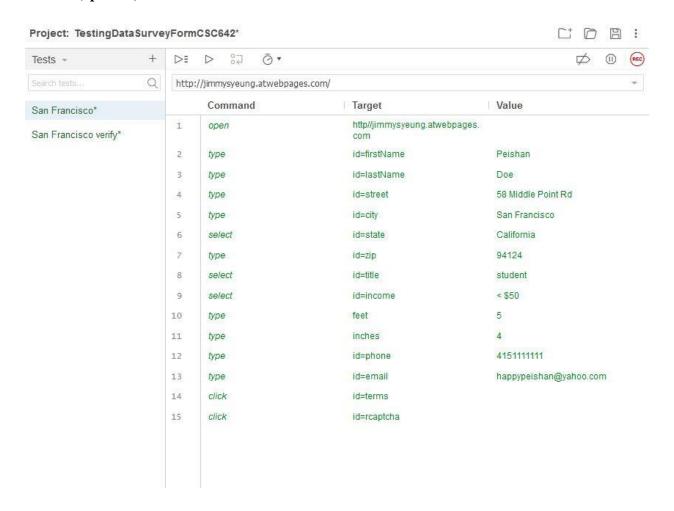
"For the development I used bootstrap 3.3.7., jquery 3.3.1, and https://cp1.awardspace.net since it was free forever, had free sub domain, made html work with php correctly, made post working, and easy to login with google account. Other people can access to my website publicly too." Other websites like amazon webservice, herkon, and github only provide static website that did not make php working with my html page along world wide web folder.

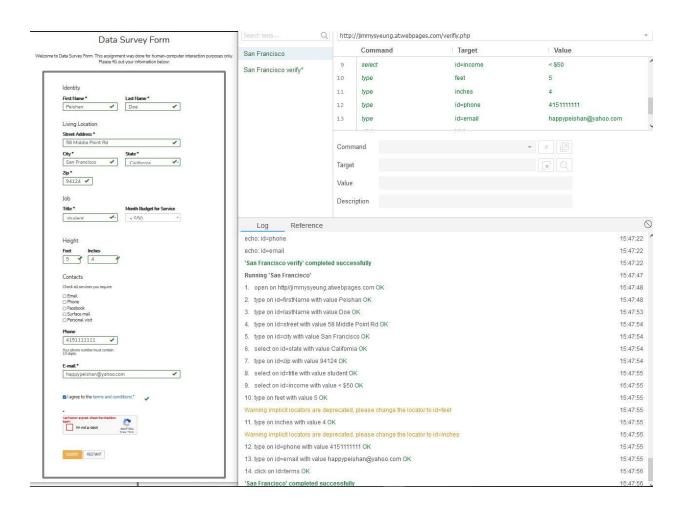
"For field validation I used html's max length that limits the input of user and regular expressions on certain field, and I used javascript's bootstrap validator to limit the typing.

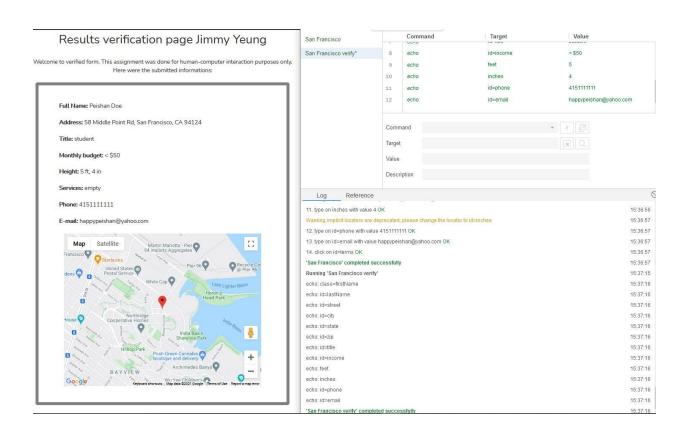
"For maps I used google cloud platform to generate api map key that I did not need to use the 91 days trial subscription and premium subscription."

"For captcha I used google since it is free and already got google account. The captcha requires a check. If it is used too much, you have to play the matching game based on the item."

"For testing I used selenium IDE and tested the following form fields < explain, minimum 2 fields must be tested>" (optional)







"In the attachment please find screen shots of the results of the automated testing < you would attach screen shots of your test logs - 1-2 pages>"

Log Reference	0
unning 'San Francisco'	14:34:19
open on http://jimmysyeung.atwebpages.com OK	14:34:20
type on id=firstName with value Peishan OK	14:34:20
type on id=lastName with value Doe OK	14:34:31
type on id=street with value 58 Middle Point Rd OK	14:34:32
type on id=city with value San Francisco OK	14:34:32
select on id=state with value California OK	14:34:33
type on id=zip with value 94124 OK	14:34:33
select on id=title with value student OK	14:34:33
select on id=income with value < \$50 OK	14:34:33
0. type on feet with value 5 OK	14:34:33
arning implicit locators are deprecated, please change the locator to id=feet	14:34:33
1. type on inches with value 4 OK	14:34:33
arming implicit locators are deprecated, please change the locator to id=inches	14:34:33
2. type on id=phone with value 4151111111 OK	14:34:33
3. type on id=email with value happypeishan@yahoo.com OK	14:34:34
4. click on id=terms OK	14:34:34
San Francisco' completed successfully	14:34:34

Log	Reference	0
echo: id=street		14:58:01 ^
echo: id=city		14:58:01
echo: id=state		14:58:01
echo: id=zip		14:58:01
echo: id=title		14:58:01
echo: id=income		14:58:01
echo: feet		14:58:01
echo: inches		14:58:01
echo: id=phone		14:58:01
echo: id=email		14:58:01
'San Francisco	verify' completed successfully	14:58:01

"For this work I was helped by no one, since I had to watch tutorials based on how to make google map api, finding a free web hosting on google search engine, and testing html working with php website. However, I did get ideas and codes how to build from https://github.com/zipingH/csc642-forms/blob/master/csc642 forms/results.php

https://www.aspsnippets.com/questions/194703/Bootstrap-validation-for-Registration-Form-using-jQuery-BootstrapValidator-plugin-in-ASPNet-MVC/, and

https://stackoverflow.com/questions/18296267/form-validation-with-bootstrap-jquery. The checkbox

reference was https://stackoverflow.com/questions/22753682/print-checked-checkbox-value-from-form-in-php. The code blocks were from https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form. My verify.php came from code pattern of Ziping Huang's results.php, but I only changed user interface, displacement, and user experience; my index.html's code pattern came from the website's registration form html. I thanked Zipping Huang and user named dharmendr for free copyright licenses, since both open up in public. I converted registered form to data survey form.

Reference:

How to make google map api: https://www.youtube.com/watch?v=O5cUoVpVUjU

"

"Documentation and Code I developed for this assignment are in github https://github.com/JimmySYeung/DataSurveyForm(make sure the link is accessible to all (not only Prof. Petkovic)

"Regards"
Jimmy Yeung