**Individual Project Test Plan**

Step 1: Analyzing the Product

* Who will use the website?
  + Users include people who want to view Caplan’s Landscpaing website to look at his work, write a review, or submit a request for an estimate.
* What is it used for?
  + Used to display and promote Caplan’s Landscaping business
* How will it work?
  + There will be the main page, which will include the top pictures/completed jobs Caplan’s Landscaping has done in the past. There will be a menu to redirect to different subpages such as donation, and a survey form, and a FAQ.
* What are software/ hardware the product uses?
  + Wordpress, myPHPadmin, Stripe

Step 2: Testing plan overview

* API Testing
  + Only having stripe I will test this heavily and make sure it is working well with no mistakes. Such as wrong credit card numbers, etc.
* Integration Testing
  + Integration testing will allow us to use multiple functions (when individual software modules are combines) and API’s at once to check if any bugs or crashes occur.
* System Testing
  + Last stage of testing, once our website is complete, we will go through a final stage of testing where we will test on a complete and integrated system to check if everything is up and running after tests.

Step 2.3: Document Risk and Issues

|  |  |
| --- | --- |
| Risk | Mitigation |
| I won’t be informed on how to do a test plan | I will watch YouTube videos on how to complete different types of testing. |
| Testing doesn’t happen - laziness | Create a testing day where we all get on and go through each test |
| Testing doesn’t happen – Time constraint | Create time zones when everyone is free to follow through with testing |
| Crash website/ API Doesn’t work | Look up how to fix the problem and last case scenario would be to text Prof. Broadwater |

Step 3: Test Logistics and Test Execution

**API Testing**

Thursday July 23, 2020, I will conduct API testing on Stripe. I will put in fake card numbers, wrong inputs, and more to try to create a bug to be sure. ~1 hour

**Integration Testing**

Thursday July 23, 2020, I will integrate different functions such as be on the gallery part of the website and click donate now, and then complete the survey. ~1 hour

**System Testing**

Friday July 24, 2020, I will begin system testing and use all completed and integrated functions together at once to see if our system can handle different requirements given and with multiple people on at the same time doing the same function. --- 2 hour job