**Waterfall Method:**

Project Initiation: For my individual project I want to setup a web page for my client that will allow her and her clients to book/schedule nail appointments. From there the web page will allow them to view a homepage, gallery, booking/scheduling and about me page.

**Requirements:**

Booking/Scheduling Plugin

WordPress

Namecheap

**Planning:**

I plan to start with building the webpage from scratch and choosing a host. Then I want a place in the webpage setup booking/scheduling for her nail customers using a plugin. I then need to setup a place in the webpage for her clients to view the gallery and about me page.

**Scheduling:**

Day 1 - Setup the Webpage and choose a host for the webpage.

Day 2 - Implement the plugin to allow customers/clients to schedule/book appointments on the website.

Day 3 - Implement a place in the webpage that will customers/client to view the gallery and about me page.

**Tracking:**

I must track my individual process with each day. Using a diagram/calendar system to track my individual work within each day. This is important because this will allow me to understand where I am with the project. If I need help, implement more resources into the project that will help me meet my deadline.

**Analysis:**

Who are the intended clients? Clients/Customers to schedule/book appointments

Do you want all employees to have access to this webpage? Yes

Who do we want uploading the booking appointments? Any User

Who will be the host of the webpage? NameCheap.

What type of mode of operation will be using the encrypt and decrypt the pictures? OFB

What type of database are we using? Wordpress

Will there be an administration system? Yes

Do we want users to access the webpage all the time? Yes

When do we want the users to access the page? All The Time

What type of users will be using this system? Any Users

**Construction:**

After answering all these questions, I want to construction the webpage and coding.

Specification: what system should do

Design & implementation: defining organization & creating system

Validation: Does system do what it is supposed to do?

Deployment: “Give” system to end-user

Evolution: Changing system in response to customer needs.

**Testing:**

Testing will be done throughout the day after completing each task.

**Design:**

*The Reason It All Exists -* Provide value to users

*KISS (Keep It Simple, Stupid!) -* Keep designs as simple as possible but not simpler, Others need to understand and maintain it.

*Maintain Vision -* Clear vision is essential to success of software project, Always remember your end goal.

*What You Produce, Others Will Consume -* Design software with thought that others need to understand it.

*Be Open to Future -* Don’t design into corner, Design to solve general problem not specific problem.

*Plan for Reuse -* Saves time, effort and money, Don’t re-invent the wheel.

*Think -* Placing clear, complete thought before action almost always produces better results.

**Function Requirements:**

Input and Output, Search Buttons, computations, data systems. Python or Java.