**MYP Personal Project – Creating a website**

**Planning.**

**Area of interest and global context:**

I was lucky that when I started considering ideas for my own project, I knew exactly what I wanted to do. In the last 4 years I was hearing about programing and how it is the future job of the world, and that almost everything in the world would involve some kind of programming in it. I started back then to search more about it, knowing many majors inside of it like Computer and Information Systems Manager, Software Engineer, Data Scientist and web developer. I begin 2 to 3 years ago learning some basics of web developer knowing it’s coding languages and other. I have loved it so much that I would stay for hours coding and learning. But unfortunately, because of schoolwork, training and other things I wasn’t able to continue learning web development. For these reasons, I knew that the Personal Project would be an ideal opportunity to learn more about web development, therefore I decided that my learning goal would be to learn how to code a website from scratch and publish it online.

**Product:**

Through the learning goal I want, it will help me learn coding languages and steps for creating a website and publishing it. The website is for an agricultural development company which my father owns. It deals with agrochemicals, including, bio stimulants, bio-pesticides, natural pesticides, public health products, liquid fertilizers, plant stimulants and enhancers, seeds, and sprayers. The company checks plants and agriculture for farms and lands then support their plants with fertilizers for each plant. What I am trying to achieve through this website is to be able to present the fertilizers products that the company own online with their specs and what they are used for. Also trying to help customers know what fertilizer they should use for the problems appearing in their plants. I want to make it easy for regular people facing problems with their plants to search their problems on the website and we provide the solution we have. Then they can buy it through contacting us.

**Smart goal and learning goal:**

**Specific**: coding a website for an agricultural development company. to make it easy for regular people facing problems with their plants to search their problems on the website and provide the solution.

**Measurable**: by making milestones while creating the website like first content writing, second designing, third programing and so one I can measure if the website is finished or not.

**Achievable**: by learning how to plan the creation of website and learning web development languages like HTML & CSS. The website is achievable by learning these skills.

**Realistic**: with the enough effort needed to learn programing languages and how to use them, and with the enough time the website can be done.

**Timely**: starting from November till march this is 4 months available to finish the website. With the correct planning of a timeline to learn everything the website would be finished in these 4 months.

**Outcome specification:**

A website including:

* A main page: a summary about the company, with some featured products, with some news or events the company holds. It would also include an interactive search box where the customers search for a problem and we get the solution, or he would search for a product directly. That is made for an easier faster why to give solution to customers.
* A product page: should include all the products that the company provide including all specification on the products, what are they used for and how, with a picture of it.
* An about us page: would include a full text about the company what it provides, since when, with whom and etc. plus the people working the company and their jobs.
* Contacts us page: a page that would include address, emails, phones and anything that is for contacting the company.

**Timeline:**

|  |  |  |
| --- | --- | --- |
| date | Task | To-do |
| December 1 to 22 | content writing and assembly (info gathering) | Write the guiding question about the company and products to ask my father about. The organize them to be ready for the website. |
| December 22 to January 12 | Designing | Design may include layout of information, homepage designs, multiple internal page designs, desktop views, and mobile views. |
| January 12 to February 12 | development and programing | Learning the web development languages and using the approved design, site architecture, technical brief, and sitemap the project then moves to the development stage. This is where the website comes to life and all the elements of the site come together to produce a high-quality website. |
| February 12 to 19 | beta testing | Testing to ensure that the website meets all specifications and all information as well as to ensure the site is optimized across multiple browsers, screens and mobile devices and ensure the site is performing as it should prior to launch. |
| February 19 to 26 | Launching | Buying the domain name and launching it public. |

**Research question:**

how to plan the creation of a website?

**Guiding questions to research online?**

1. Learning HTML?
2. Learning CSS?
3. Learning SQL?
4. Learning java script?
5. How to plan a website?
6. What is CMS platform I can use to plan?
7. How to create a sitemap?

**guiding questions for the company owner:**

1. About the company?
2. All the products you provide?
3. How and why are these products used?
4. How can a customer contact you?
5. What are the services you provide?

**Reflection:**

I have noticed that while researching that making a website is not only about learning to code, but there is a lot that goes behind the website. Like planning the layout, pages, managing the content and information and creating a site map. All these things have to be done before starting to code the website.