Homework 1 : Personal Portfolio

CPSC 362.11/12: Foundations of Software Engineering (Spring 2024)

Department of Computer Science, College of Engineering and Computer Science

Product Name	Personal Portfolio
Elevator Pitch	Welcome to my personal portfolio website, where you can see a showcase of my skills and experience in the automotive industry and computer science. From hands-on experience in automotive technology to projects and ambitions in computer science, I have a proven track record of delivering high-quality results. My website is designed to be easy to navigate, showcasing my best work and achievements in a visually appealing way. Take a look and see how I can help you achieve your goals.
Initial Features	Homepage design featuring a clear and visually appealing layout ● About me ● Work experience ● Portfolio/ projects, ● Education/Certifications, ● Contact Simple Click once see info click again go back to homepage
	About me section including a brief biography, professional summary, and contact information ● My academic journey began with a focus on automotive technology, making me the first in my school to pursue this path. However, I redirected my academic pursuits and am currently enrolled in a computer science degree program. ● My professional background encompasses a diverse range of roles, including employment at McDonald's and Walmart, as well as experience as a cook in various food markets. I also served as a technician at Longo Lexus Toyota, where I earned certifications in Automotive Service, Diagnosis, and Repair, specializing in Underhood and Undercar Drivetrain. I was on track to achieve ASE certification and obtained a certificate in A6 - Electrical Electronics Systems before transitioning to a new career path. I am currently on the journey to a computer science degree, anticipating graduation within the next two years.

	Work experience section highlighting past employment and relevant projects ● McDonald's, Walmart, Target ● Food Markets Cook ● Longo Lexus Toyota Technician ● Arduino Track Follower (C++) ● Python Calculator
	Skills section displaying a list of technical and soft skills ● Automotive Service, Diagnosis, and Repair ● Underhood and Undercar Drivetrain Specialization ● A6 - Electrical Electronics Systems (ASE Certified) ● Effective Communication ● Team Collaboration ● Adaptability ● Strong Work Ethic
	Portfolio section featuring a curated selection of past work and projects
	Testimonials section
	Integration with social media profiles, such as LinkedIn and GitHub
	A contact form for potential clients or employers to reach out
	Option to download a resume or CV

<u>Understand the Problem</u> - How will I make the Website Portfolio

• Who has a stake in the solution to the problem? That is, who are the stakeholders?

-My self, the professor, and any future employers (resume), clients (freelancing), visiting website portfolio

• What are the unknowns? What data, functions, and features are required to properly solve the problem?

-**Structure**
How do you build a website portfolio?
How will you host this website ?
What can I do to update this website if I ever need to add more to my portfolio?
-Data
 What information About me will I present in the portfolio
How will I organize Work experience, Projects, Education/Certifications in the portfolio
-**Functions**
Contact
How will I make an interesting website design, will there be feature contact, interactive elements
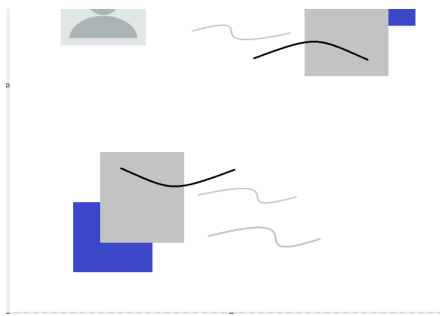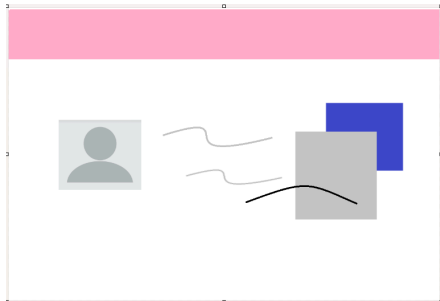
• Can the problem be compartmentalized? Is it possible to represent smaller problems that may be easier to understand?

-Yes, the problem of creating a portfolio website can be compartmentalized into smaller, more manageable tasks we can take advantage of the fact of how HTML, CSS, and JavaScript work together to build a website
* HTML is the foundations of a website it gives you the structure (beginning)
* Then making it authentically pleasing for our stakeholders by moving on the the next section which is CSS adding styling to our website
* Then finally including interactivity by utilizing JavaScript and adding it onto our website
The way these three programing languages are separated in this when creating a website helps me to compartmentalize this project

• Can the problem be represented graphically? Can an analysis model be created?

The problem could be represented through means of pen and paper. We can use alternative methods like flowcharts and wireframes to create a template of what the website should look like. Once its represent what we like then we can identify

I want to have video sections Where I can Scroll

Structure	Interactivity/functionality	Styling
-The square lay out of the video display	-When I scroll/new videos will pop up	-I want a dark theme
-Thumbnails		-Bold text
		-Font

Plan a Solution

• Have you seen similar problems before? Is there existing software that implements the data, functions, and features that are required?

-No I haven't faced similar challenges before, but there are many website tutorials and accessible resources where others have.

Yes There are website builders WordPress, Wix, Squarespace they are all in one solutions they create, host, and they maintain the website .

• What are the unknowns? What data, functions, and features are required to properly solve the problem?

-**Structure**

How do you build a website portfolio?
How will you host this website ?
What can I do to update this website if I ever need to add more to my portfolio?

• Has a similar problem been solved? If so, are elements of the solution reusable?

-Yes many people have successfully tackled the challenge of creating a portfolio website. Elements of their solutions, such as design layouts, navigation structures, and content organization can be reusable.

• Can subproblems be defined? If so, are solutions readily apparent for the subproblems?

-Yes subproblems can be defined as I continue to learn more about the different technologies that are available to create a website, I will be better able to solve more subproblems.
-How will I host this project?
-Web hosting providers?

• Can you represent a solution in a manner that leads to effective implementation?Can a design model be created?

-Yes, a solution can be effectively represented by planning and design
Outlining the website structures and layout.
Yes being able to break down a problem , focusing on each section of a effectively address those problems