**Week 1 Assignment**

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PRG 230a: Web Programming I

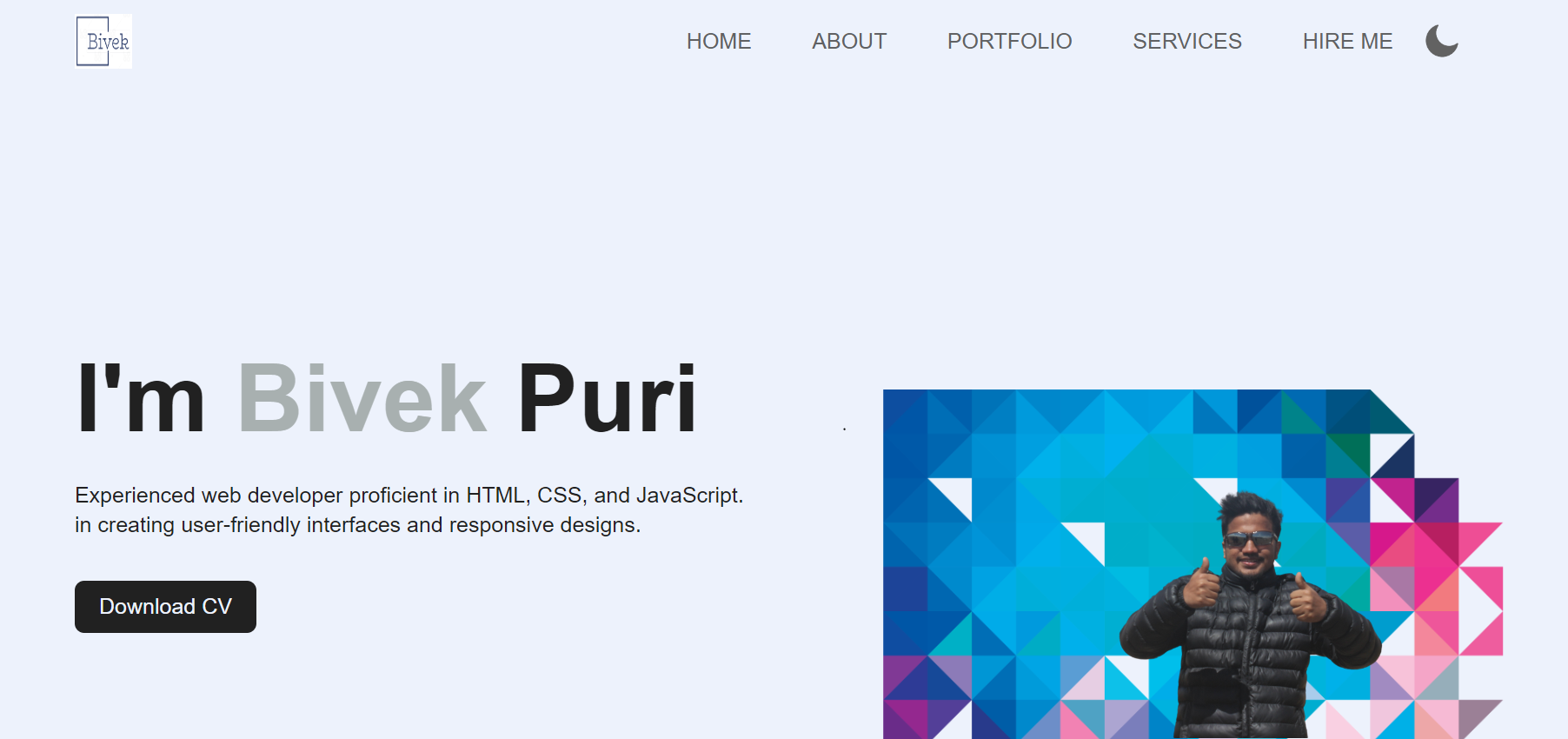
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June 08, 2024

**Static and Dynamic Web Page**

1. **Static Web Page:**

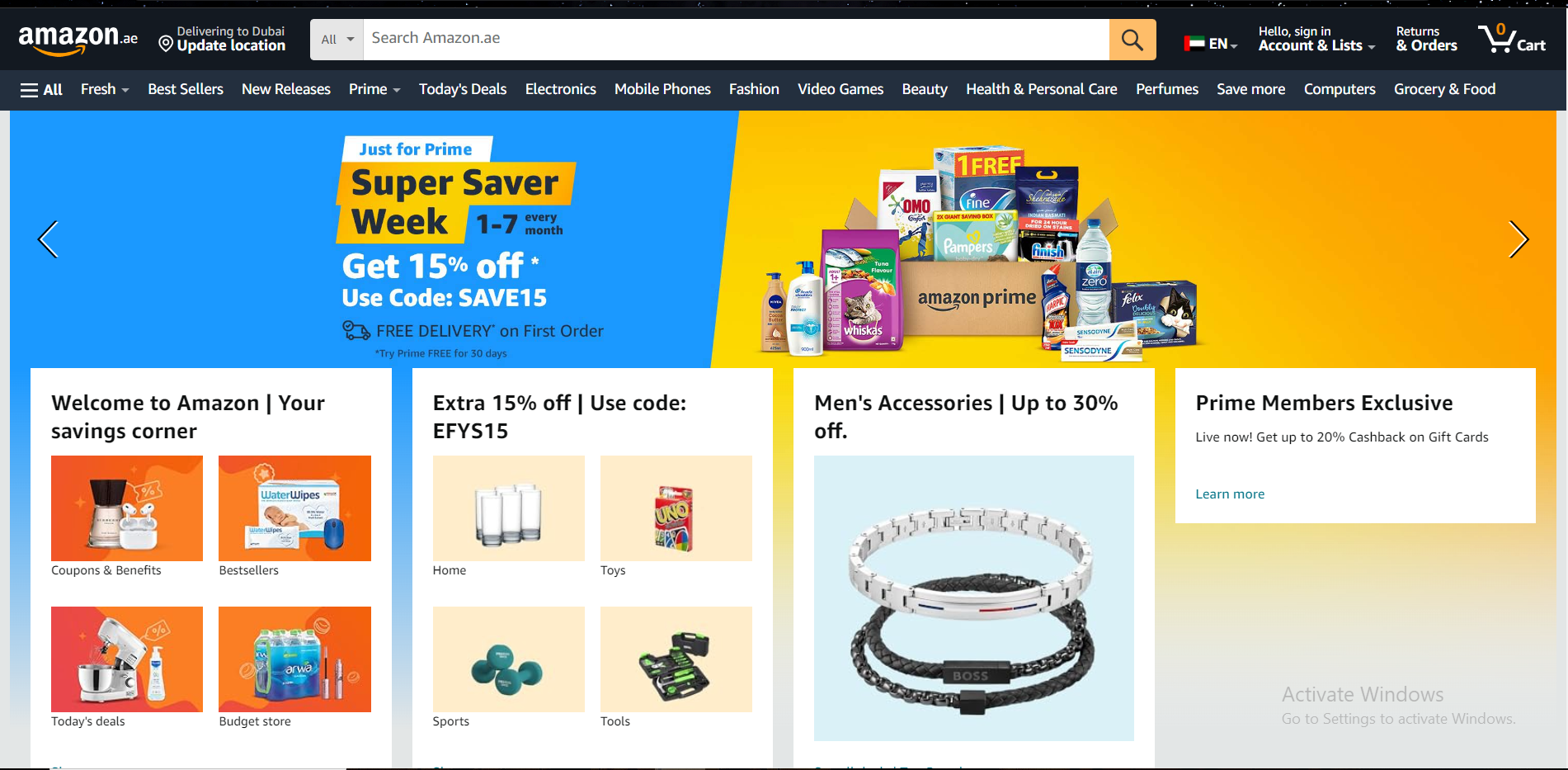
Talking about the static website, a static website looks the same for every user as they are pre-built and delivered to the user exactly as stored. We can easily build this site with little HTML, CSS, and JavaScript knowledge. This is a bare minimum to do for any developers to gain knowledge at beginning of the coding journey. The content of the sites cannot be changed by user interaction. Some example of static web pages are portfolios, landing pages, and personal normal projects.



This is one example of a static web page where only HTML, CSS, and a little bit of JavaScript functionality are used.

1. **Dynamic Web Pages**

In simple words, dynamic web pages can be understood as pages that change according to user interaction. In this type of page, the user can request and pull the information from the database as well. Dynamic sites are more interactive and according to the user preference site information changes. We can also select the content of the sites as per our interests. The content or any update can be done smoothly by the admin or from the server side easily rather than just rewriting the code every time while updating the features. For the server side, many languages can be used PHP, Python, and client-side JS frameworks like React along with its server-side scripting Node.js. Some examples of dynamic sites are Facebook, Instagram, and Amazon. Overall, Dynamic sites are more fun to use and we need to practice technologies like React, Python, and all to create a proper dynamic site.



This is one of the example of dynamic website.

Github:

<https://github.com/Specialone07/Cafe>

Deployment:

<https://vercel.com/specialone07s-projects/cafe>

**References**

Dontcheva, M., Drucker, S. M., Salesin, D., & Cohen, M. F. (2007). Changes in webpage structure over time. UW, CSE. <https://dada.cs.washington.edu/research/tr/2007/04/UW-CSE-07-04-02.pdf>

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Sultania, A. K. (2012, December). Algorithm for detecting dynamic webpage and its importance. In 2012 International Conference on Radar, Communication and Computing (ICRCC) (pp. 257-259). IEEE. <https://ieeexplore.ieee.org/abstract/document/6450590/>