1. What are the differences among a Wireframe, Mock-Up, and Prototype? Explain with an example.

**Answer:**

* **Wireframe:** wireframe is a very basic structure of a website with some black and white sketches. Wireframe is low fidelity. No interaction or color is used in a basic wireframe. For example, blueprint of a building in a paper.
* **Mock-up**: it is a more visible and interactive form of wireframe. It includes color, texts, images kind of similar look like the original web page. For example, making a building structure with some paper or board to make it more realistic. Mock-up is mainly mid to high fidelity.
* **Prototype**: it is a high-fidelity webpage. Similarly, interactive and visually same like the main web page. For example, before realizing an app 1 to 2-month trial app is an example of prototype.

1. How to Choose a Technology Stack for Web Application Development?

**Answer:**

* Type of Web Application- A tech stack is a toolset for creating a web app, so we need to fully realize what we are planning to build in order to pick the appropriate tools.
* Time to Market-it is extremely important when choosing a tech stack for startups and for small businesses.
* Web App Development Cost- turning our idea into a real-life web application isn’t free of charge and requires investment.
* Security-Our world has gone digital over the last two decades and so have criminals. Cyber-attacks are the biggest threat to online businesses. So security is very important.
* Scalability-Scalability isn’t a feature to turn tail on when developing a web application.