# Overview of Web Evolution (Web 1.0 to Web 5.0)

1. **Web 1.0 (1990s to early 2000s):**

The internet started here with static websites offering read-only content. Users could browse information but couldn’t interact. Security was basic, so phishing and website defacement were common. Think of early websites like Britannica Online.

1. **Web 2.0 (2000s to 2010s):**

This era made the web social and interactive. People could create content on platforms like Facebook, YouTube, and Wikipedia. Technologies like JavaScript and APIs powered this change. However, issues like data breaches and attacks like SQL injection emerged as challenges.

1. **Web 3.0 (2010s to 2020s):**

The web got smarter, using AI and blockchain for better context and understanding. Platforms like Siri and Ethereum emerged. Privacy became a big concern, and new threats like blockchain hacking appeared.

1. **Web 4.0 (2020s onwards):**

Web 4.0 is all about personalization and AI working with IoT to anticipate user needs. It’s powerful but comes with risks like IoT vulnerabilities and AI misuse. Smart assistants and connected devices are key examples.

1. **Web 5.0 (Future):**

This phase, still evolving, aims to make the web emotionally intelligent. Advanced AI and brain-computer interfaces will allow deeper interaction, but it raises ethical concerns like AI misuse and deepfakes. The goal is a more human-like, responsive internet.