**What is GitHub?**

[GitHub](https://github.com/) is a web-based interface that uses [Git](https://git-scm.com/), the open source version control software that lets multiple people make separate changes to web pages at the same time. As Carpenter notes, because it allows for real-time collaboration, GitHub encourages teams to work together to build and edit their site content.

* **Repository (repo)** —a folder in which all files and their version histories are stored.
* **Branch** — a workspace in which you can make changes that won’t affect the live site.
* **Markdown (.md)** — a way to write in Github that converts plain text to GitHub code. Sites such as [Atom](https://atom.io/packages/markdown-preview) and [Sublime Text](https://www.sublimetext.com/) are examples of free resources for developers using Markdown.

# **What are zero-day attacks?**

 There are a few common, but slightly different definitions of zero-day attacks. Some define zero-day attacks as attacks on vulnerabilities that have not been patched or made public, while others define them as attacks that take advantage of a security vulnerability on the same day that the vulnerability becomes publicly known (zero-day).

But the general definition describes zero-day attacks (or zero-day exploits) as attacks that target publicly known but still unpatched vulnerabilities.