Web Hosting and Domain Name

The chosen domain name for the Website is johnmwangiportfolio.com. this is to ensure that the website is accessible in the internet and to lock it with my name.
The hosting service provider is GoDaddy.com which will provide managed web hosting services for the website. This means that their role is to:

- Rebooting your server
- Keeping your operating system and or control panel up to date
- Installing security patches
- Monitoring the performance of your server
- Installing 3rd party applications or configuring your server from scratch

Security Concerns and Protection

Ensuring the security of your portfolio website is essential to protect both your content and visitors from potential cyber threats. Implementing security best practices will safeguard data and maintain site integrity.

1. **Data Security:** Protecting user-generated content, personal details, and sensitive data is crucial. To achieve this:

   o Use SSL certificates to encrypt data transmitted between the website and users.

   o Implement strong password policies for website administrators and users.

   o Restrict access to sensitive files by setting proper file permissions.

   o Regularly back up website data to prevent data loss in case of a breach.

2. **Malware Prevention:** Websites are vulnerable to malware attacks that can compromise functionality and data integrity. To prevent malware infections:

   o Install security plugins and firewalls to detect and block threats.

   o Enable automated malware scanning and removal services.

   o Use a Content Delivery Network (CDN) with security features to mitigate attacks like DDoS.

   o Avoid using outdated or unverified third-party plugins or themes.

3. **Regular Updates:** Keeping website components up to date helps prevent security vulnerabilities. To maintain a secure website:

- Regularly update HTML, CSS, JavaScript libraries, and CMS platforms (if applicable).

- Enable automatic updates for security patches when available.

- Monitor security bulletins for any vulnerabilities related to the tools used on the website.

- Test updates in a staging environment before deploying them live to avoid compatibility issues.