

Assignment 2 Report

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Static Personal Blog Website

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Project Repository: <https://github.com/AllenU123/my-blog>

Website Link: <https://AllenU123.github.io>

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Tools and Framework Chosen

For this assignment, I selected **Hugo**, a fast and flexible static site generator written in Go. I preferred Hugo over Sphinx because:

- It supports beautiful and customizable themes like PaperMod.
 - Markdown-based content management is intuitive.
 - Deployment to GitHub Pages is well-documented and straightforward.
 - It allows me to easily organize content, blog posts, and navigation.
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Website Setup and Deployment Process

Step 1: Install Hugo

Installed Hugo on Ubuntu via:

```
sudo apt install hugo
```

Step 2: Create a New Hugo Site

```
hugo new site my-blog
```

```
cd my-blog
```

Step 3: Add PaperMod Theme

```
git init
```

```
git submodule add https://github.com/adityatelange/hugo-PaperMod themes/PaperMod
```

In config.toml,

I configured the theme and basic settings:

```
baseUrl = 'https://AllenU123.github.io/'
```

```
languageCode = 'en-us'
```

```
title = 'My Personal Blog'
```

```
theme = 'PaperMod'
```

```
[markup.goldmark.renderer]
```

```
unsafe = true
```

```
[params]
```

```
author = "Aline UWIMANA"
```

```
description = "My personal blog for Assignment2"

ShowBreadCrumbs = false

ShowReadingTime = false

ShowPostNavLinks = true

ShowShareButtons = false

ShowCodeCopyButtons = true

showtoc = false
```

Step 4: Add Content Pages

Created Markdown files under `content/` for:

- Home
- About
- Assignments
- Contact

I used front matter like:

```
---
title: "About"
---
```

Step 5: Customize Navigation

Modified `config.toml` to show top-right menu:

```
[menu]

[[menu.main]]
  identifier = "home"
  name = "Home"
  url = "/"
  weight = 1

[[menu.main]]
  identifier = "about"
  name = "About"
  url = "/about/"
  weight = 2
```

```
[[menu.main]]
  identifier = "assignments"
  name = "Assignments"
  url = "/assignments/"
  weight = 3
```

```
[[menu.main]]
  identifier = "contact"
  name = "Contact"
  url = "/contact/"
  weight = 4
```

Step 6: Add Assignment 1 Report

Copied PDF to static/assignments/:

```
mkdir -p static/assignments
```

```
cp /mnt/c/.../assignment1.pdf static/assignments/
```

Linked it in the assignments.md:

```
- [Assignment 1](assignments/assignment1.pdf)
```

Step 7: Build and Test Locally

```
hugo server -D
```

Opened <http://localhost:1313> to view and test the site.

Step 8: Deploy to GitHub Pages

Created repository, pushed files:

```
git remote add origin https://github.com/AllenU123/my-blog.git
```

```
git push --set-upstream origin main
```

Deployed via `gh-pages` branch or custom GitHub Pages action.

Git Version Control Process

I used Git throughout the project with **meaningful commits**, including:

- Initial commit: setup Hugo site with PaperMod theme and structure
- Add basic pages: Home, About, Assignments, Contact
- Customize navigation menu
- Linked Assignments page with Assignment 1 report

- Deploy site to GitHub Pages

Each commit reflects a logical progression, and GitHub was used for version hosting.

Integration of Previous Work

As part of this assignment, I **included the Markdown report from Assignment 1** by uploading the PDF to the `static/assignments/` folder and linking it from the Assignments page.

Summary

This assignment helped me learn to:

- Build a personal static website using Hugo
 - Use Git effectively with meaningful commits
 - Document the progress in Markdown
 - Deploy to GitHub Pages for public access
 - Integrate previous academic work into my blog
-

Useful Links

- GitHub Repository: <https://github.com/AllenU123/my-blog>
- Live Website: <https://AllenU123.github.io>