CMPSC 104 – Document Engineering
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Overview

What is Wiki?

- A wiki is a collaborative platform where multiple users can create, edit, and organize content.
- Often used for documentation, knowledge sharing, and community-driven content.

Key Features:

- Easy editing via web interface
- Simple linking between pages
- Focus on collaborative content

Popular Wikis

Wikipedia:
- A free, open-source online encyclopedia
- Largest and most well-known wiki platform
- Anyone can contribute and edit content

GitHub Wiki:
- A wiki platform attached to GitHub repositories
- Used for documenting code, projects, or organizational information
- Only accessible to repository collaborators by default, with public viewing allowed

Wikipedia vs. GitHub Wiki

Purpose:
Wikipedia: Global encyclopedia for general knowledge.
GitHub Wiki: Repository-specific documentation for technical content and projects.

User Base:
Wikipedia: Public, global audience.
GitHub Wiki: Primarily developers or project collaborators.

Content:
Wikipedia: General knowledge articles.
GitHub Wiki: Technical documentation, project-specific instructions, architecture details.

Github Wiki

Every repository on GitHub.com comes equipped with a section for hosting documentation, called a wiki.

You can use your repository's wiki to share long-form content about your project, such as how to use it, how you designed it, or its core principles.

A README file quickly tells what your project can do, while you can use a wiki to provide additional documentation.

GitHub Wikis

Jekyll GitHub Wiki: https://github.com/jekyll/jekyll/wiki
- The Jekyll wiki contains guides for creating static websites and blogs using the Jekyll framework.

Oh My Zsh GitHub Wiki: https://github.com/ohmyzsh/ohmyzsh/wiki
- A wiki for Oh My Zsh, a popular framework for managing Zsh configuration, with setup guides and plugins.

Why Use GitHub Wiki?

- **Integrated with GitHub:** Easy to manage alongside your codebase.

- **Collaboration:** Allows project teams to work together on documentation.

- **Public or Private:** Can be public-facing or restricted to project members.

Getting Started with Github Wiki

1. Go to the **repository** where you want to add a wiki.
2. Click the "**Wiki**" tab at the top.
3. Click "**Create the first page**" to start.

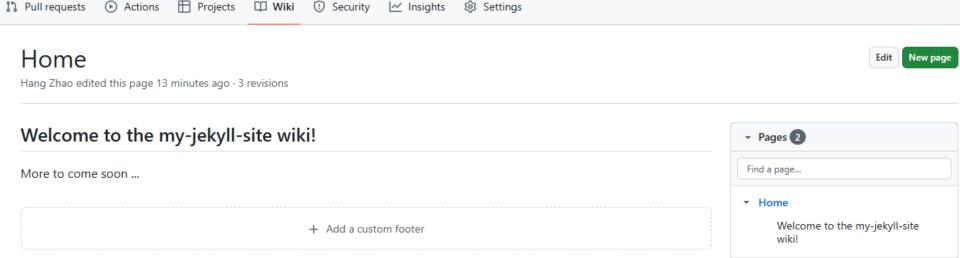requests   Actions   Projects   Wiki   Security   Insights   Settings
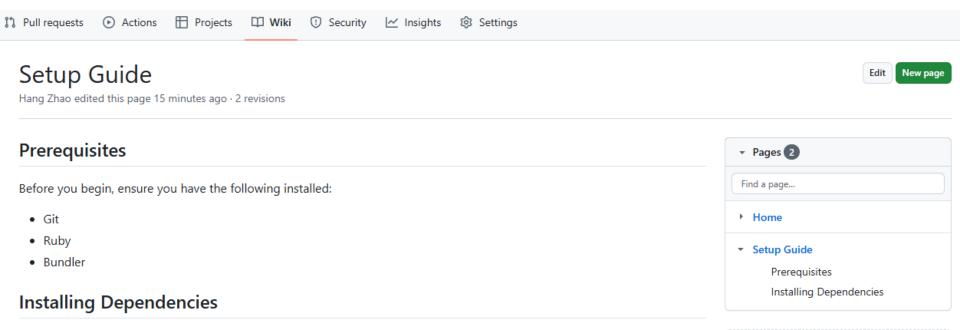
Welcome to the my-jekyll-site wiki!

Wikis provide a place in your repository to lay out the roadmap of your project, show the current status, and document software better, together.

Create the first page

Github Wiki

4. Keep your **first page as "Home"** and use **markdown syntax** to format it.

5. Once you're done, click "**Save Page**".

Github Wiki

6. **Add more pages** by linking them inside the first page or by creating them from the "Pages" section.

⇅ Pull requests   ▷ Actions   ▦ Projects   📖 Wiki   ⊘ Security   📈 Insights   ⚙ Settings

Setup Guide

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Edit | New page

Prerequisites

Before you begin, ensure you have the following installed:

- Git
- Ruby
- Bundler

Installing Dependencies

▼ Pages **2**

Find a page...

▶ **Home**

▼ **Setup Guide**

    Prerequisites

    Installing Dependencies

Github Wiki

Features

Edit   New page

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Key Features

Project Showcase

- Display your projects with images, descriptions, and links to the project repositories.

Customizations

- Themes and Styles

Screenshots

▾ **Pages** 3

Find a page...

▸ **Home**

▾ **Features**

   Key Features

    Project Showcase

    Customizations

    Screenshots

▸ **Setup Guide**

Github Wiki

7. Add custom sidebar

Editing _Sidebar

Page history   New page   Delete page

_Sidebar

Write   Preview

h1   h2   h3   🔗   🖼   B   *i*   <>   ☰   ☷   ☰   —   ?   Edit mode: Markdown

```
**My Awesome Site**

[Home](https://github.com/allegheny-college-cmpsc-104-Fall-2024/my-jekyll-site/wiki/Home)

**Getting Started on Windows/Mac/Linux**

- [Setup Guide](https://github.com/allegheny-college-cmpsc-104-Fall-2024/my-jekyll-site/wiki/Setup-Guide)

- [Features](https://github.com/allegheny-college-cmpsc-104-Fall-2024/my-jekyll-site/wiki/Features)
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Github Wiki

7. **Custom Home page again**

Home

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Welcome to the my-jekyll-site wiki!

Table of Contents

- Home
- Setup Guide
- Features

▸ Pages 3

My Awesome Site ✎

Home

Getting Started on Windows/Mac/Linux

- Setup Guide
- Features

Wiki

- Wikis are powerful tools for collaborative documentation.

- GitHub Wiki is a great choice for project-specific documentation.

- It's easy to set up and maintain, making it accessible for teams.

Reference and Resources

- Markdown guide (https://www.markdownguide.org/getting-started/)
- Github Wiki: https://docs.github.com/en/communities/documenting-your-project-with-wikis/about-wikis