# OER-Forge

**Build, share, and improve WCAG-compliant Open Educational Resources with Python!**

## Welcome

OER-Forge is an open source Python toolkit for building, organizing, and publishing accessible Open Educational Resources (OERs). Our goal: make it easy and fun to create sites and documents that meet [WCAG](https://www.w3.org/WAI/standards-guidelines/wcag/) standards.

* **Accessible by design:** All templates and outputs aim for [WCAG compliance](https://www.w3.org/WAI/standards-guidelines/wcag/).
* **Database-driven navigation:** Section indices, menus, and hierarchy are managed in SQLite for robust, extensible site structure.
* **Multi-format export:** Markdown, DOCX, PDF, LaTeX, and more.
* **Built for maintainers:** Clean Code, SOLID principles, and a growing suite of tests.
* **Fun to hack:** Professional, but not boring. ☕️❤️

## Get Started

1. **Clone the repo:**

* git clone https://github.com/OER-Forge/OER-Forge.git  
  cd OER-Forge

1. **Install dependencies:**

* pip install -r requirements.txt

1. **Build the site:**

* python build.py

1. **View your site:** Open build/index.html in your browser.

## Features

* Section indices & navigation: DB-driven, supports arbitrary hierarchy, top-level and nested menus.
* Accessibility: ARIA labels, alt text, color contrast, keyboard navigation.
* Download options: Export pages in multiple formats (PDF, DOCX, TXT, etc.).
* Dark mode: Toggle theme for better readability.
* Inline figures: Markdown images with alt text for accessibility.
* Extensible templates: Jinja2-based, easy to customize.
* Robust build system: Automated, logs to log/ for debugging.

## Get Involved

We welcome your feedback, suggestions, and contributions! - [GitHub Issues](https://github.com/OER-Forge/OER-Forge/issues) - [Good first issues](https://github.com/OER-Forge/OER-Forge/labels/good%20first%20issue) - [Help wanted](https://github.com/OER-Forge/OER-Forge/labels/help%20wanted)

**Report a bug:** [File an issue](https://github.com/OER-Forge/OER-Forge/issues/new?labels=bug) **Request a feature:** [File an enhancement](https://github.com/OER-Forge/OER-Forge/issues/new?labels=enhancement) **Ask a question:** [Open a question](https://github.com/OER-Forge/OER-Forge/issues/new?labels=question)

## License

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