CollectionBuilder and Local Development

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Today's Objectives

Launch a CollectionBuilder site locally

1. Review the components of our development environment.
2. Review the components of a CollectionBuilder project.
3. Understand how Jekyll generates a CollectionBuilder site.
4. Edit the main building blocks of your site.
5. View your site locally.

A Development Environment

You have been compiling your development environment throughout this workshop series. The following combination of software, tools, and file types make your website possible:

- Text Editor: VS Code
- Version Control: GitHub, GitHub Desktop, and/or Git
- Programming Language: Ruby
- Development Tools: Jekyll, markdown, csv files

The Command Line

Also known as:

- shell
- terminal
- console
- cmd
- bash

How it functions:

- you type something on the input line and press return
- the shell interprets the command
- software / OS executes it
- the shell prints the output
- repeat!

CollectionBuilder

What it is: Open-source framework for creating digital exhibitions that are powered by metadata and static site generation

Who: Built and maintained by librarians at the University of Idaho

Users: Librarians and academics

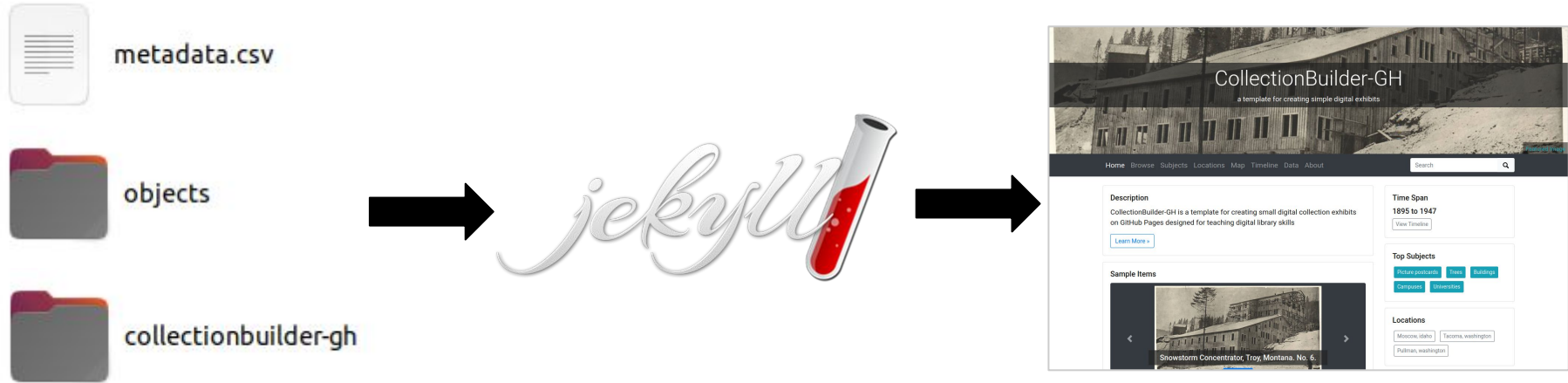Where/Hosting: Free hosting via GitHub Pages

CollectionBuilder

Requirements: GitHub account

Features: Accessible metadata; Mapping; Timelines; Customization; Beginners and highly skilled

Support and learning more: CB leadership generated documentation and tutorials.

How It Works

CollectionBuilder Project

(template code, metadata, configurations, and digital objects)

Jekyll Static Generator

(built into GitHub Pages or installed on computer)

Static Web Site

(hosted on any basic web server or GitHub Pages)

Static Site Generator

- ## Ruby (programming language, software on your computer)

- ## Bundler (dependency management, a Ruby Gem, i.e. software on your computer written in Ruby)

- ## Jekyll (static web generator, a Ruby Gem, i.e. software on your computer written in Ruby)

Resources: [Try Ruby in Browser](#), [Jekyll Docs Tutorial](#), [Mastering Markdown](#), [Liquid Docs](#)

Project template

- ## CollectionBuilder: (a flexible Jekyll template for creating digital collection and exhibit websites, i.e. source code written in HTML, JS, Sass, and Liquid--literally a folder of text files!)

- ## Liquid: a templating language used by Jekyll and written in Ruby
  - Liquid looks like: {{ page.title }} and outputs: 'Project template'

Resources: CollectionBuilder Docs, Bootstrap Docs, W3Schools Bootstrap Tutorial

CollectionBuilder in Action:

repository: https://github.com/thecdil/wolf-reintroduction

website: https://cdil.lib.uidaho.edu/wolf-reintroduction/

Metadata and Object Review

Let's begin!

Thank you!

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