

Deliverable 1

What is a static site generator?

A **static site generator** is a tool made to automate the creation of web pages. Using a template and data parameters a Static site generator can generate an HTML file for a specific purpose.

What is Jekyll

Jekyll is a static site generator that has risen in popularity for its integration with github.

What is github

Github is a for profit cloud service for hosting files using the open source distribution control program: git.

How to install Jekyll in Ubuntu

Jekyll is installed using simple commands

Command	Purpose
<pre>sudo apt-get install ruby-full build-essential zlib1g-dev</pre>	Download Ruby and all of the other prequesites
<pre>echo '# Install Ruby Gems to ~/gems' >> ~/.bashrc echo 'export GEM_HOME="\$HOME/gems"' >> ~/.bashrc echo 'export PATH="\$HOME/gems/bin:\$PATH"' >> ~/.bashrc source ~/.bashrc</pre>	Installs ruby gems to your home account
<pre>gem install jekyll bundler</pre>	Installs jekyll

Building a jekyll website

Jekyll websites have a file directory set to the following structure.

Directory/file	Purpose
_posts	Contains daily posts
_static	Contains the compiled website
about.markdown	The about page

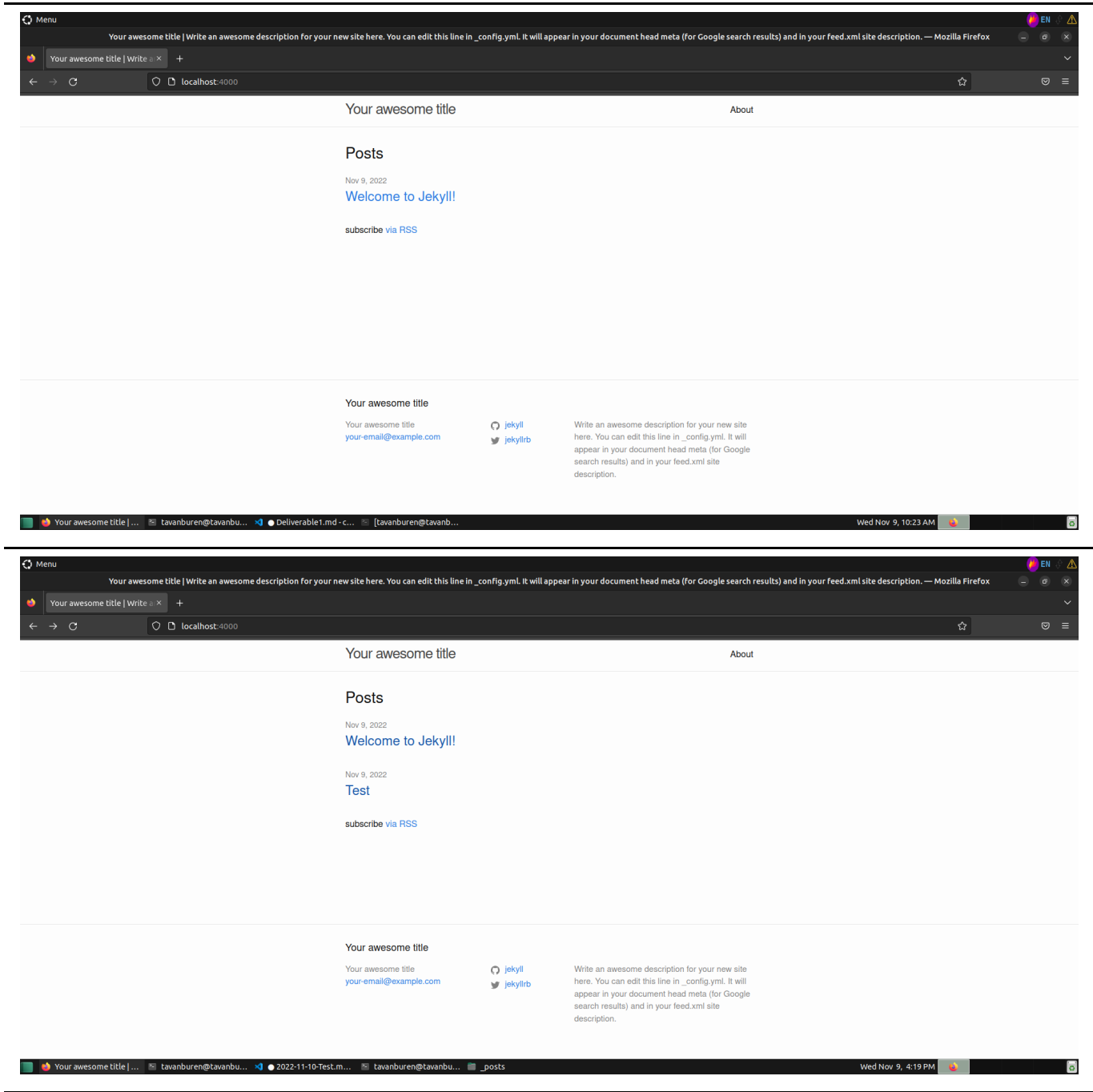
```
Menu
tavanburen@tavanburen-VirtualBox: ~/myblog

File Edit View Search Terminal Help
Bundler: Using em-websocket 0.5.3
Bundler: Using ffi 1.15.5
Bundler: Using forwardable-extended 2.6.0
Bundler: Using i18n 1.12.0
Bundler: Using sassc 2.4.0
Bundler: Using jekyll-sass-converter 2.2.0
Bundler: Using rb-fsevent 0.11.2
Bundler: Using rb-inotify 0.10.1
Bundler: Using listen 3.7.1
Bundler: Using jekyll-watch 2.2.1
Bundler: Using rexml 3.2.5
Bundler: Using kramdown 2.4.0
Bundler: Using kramdown-parser-gfm 1.1.0
Bundler: Using liquid 4.0.3
Bundler: Using mercenary 0.4.0
Bundler: Using pathutil 0.16.2
Bundler: Using rouge 4.0.0
Bundler: Using safe_yaml 1.0.5
Bundler: Using unicode-display_width 2.3.0
Bundler: Using terminal-table 3.0.2
Bundler: Using webrick 1.7.0
Bundler: Using jekyll 4.3.1
Bundler: Fetching jekyll-feed 0.17.0
Bundler: Installing jekyll-feed 0.17.0
Bundler: Fetching jekyll-seo-tag 2.8.0
Bundler: Installing jekyll-seo-tag 2.8.0
Bundler: Fetching minima 2.5.1
Bundler: Installing minima 2.5.1
Bundler: Bundle complete! 7 Gemfile dependencies, 32 gems now installed.
Bundler: Use `bundle info [gemname]` to see where a bundled gem is installed.
New jekyll site installed in /home/tavanburen/myblog.
tavanburen@tavanburen-VirtualBox:~$ cd myblog
tavanburen@tavanburen-VirtualBox:~/myblog$ bundle exec jekyll serve
Configuration file: /home/tavanburen/myblog/_config.yml
Source: /home/tavanburen/myblog
Destination: /home/tavanburen/myblog/_site
Incremental build: disabled. Enable with --incremental
Generating...
Jekyll Feed: Generating feed for posts
done in 0.371 seconds.
Auto-regeneration: enabled for '/home/tavanburen/myblog'
Server address: http://127.0.0.1:4000/
Server running... press ctrl-c to stop.
[2022-11-09 10:22:29] ERROR /favicon.ico not found.
```

```
Menu
tavanburen@tavanburen-VirtualBox: ~/myblog

File Edit View Search Terminal Help
tavanburen@tavanburen-VirtualBox:~$ gem install jekyll bundler
Successfully installed jekyll-4.3.1
Parsing documentation for jekyll-4.3.1
Done installing documentation for jekyll after 1 seconds
Successfully installed bundler-2.3.25
Parsing documentation for bundler-2.3.25
Done installing documentation for bundler after 0 seconds
2 gems installed
tavanburen@tavanburen-VirtualBox:~$ jekyll new myblog
Running bundle install in /home/tavanburen/myblog...
Bundler: Fetching gem metadata from https://rubygems.org/.....
Bundler: Resolving dependencies...
Bundler: Using public_suffix 5.0.0
Bundler: Using addressable 2.8.1
Bundler: Using bundler 2.3.25
Bundler: Using colorator 1.1.0
Bundler: Using concurrent-ruby 1.1.10
Bundler: Using eventmachine 1.2.7
Bundler: Using http_parser.rb 0.8.0
Bundler: Using em-websocket 0.5.3
Bundler: Using ffi 1.15.5
Bundler: Using forwardable-extended 2.6.0
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Bundler: Fetching minima 2.5.1
```

Installing Jekyll and using a command to create a website



A basic website, before and after testing ,making a new post