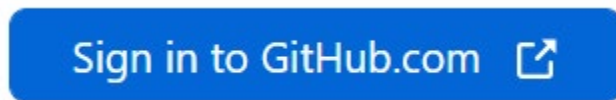To develop and maintain the site we 'll use GitHub, which allows for multiple users to make changes and updates easily, with comment on any code change, multiple branches for development and local experimentation and many more. The instructions above refer to the installation of GitHub Desktop for easy usage via GUI instead of the traditional terminal:
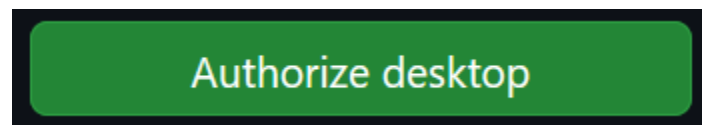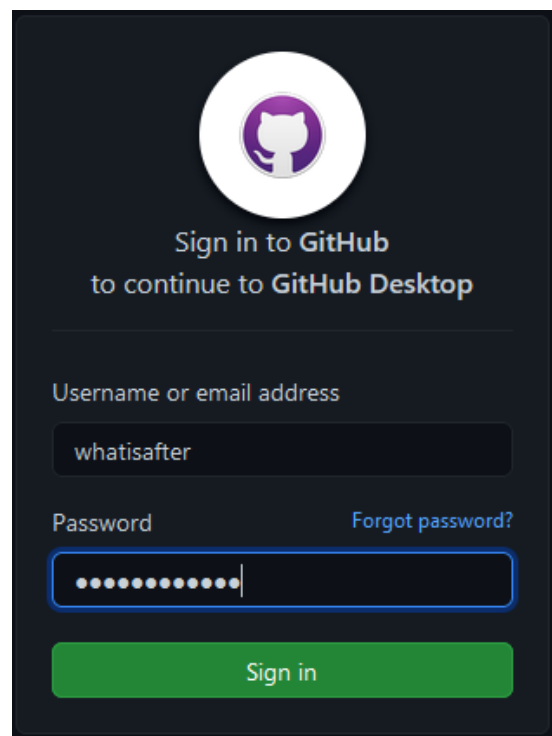
- Go to: https://desktop.github.com/
    - Click on:

Download for Windows (64bit)
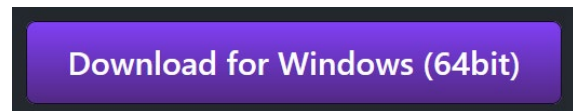
- Save the .exe file and run it.   When the app starts, click on:

Sign in to GitHub.com

- A webpage opens, click on:

Authorize desktop

- Enter your credentials and click Sign in:

Sign in to GitHub
to continue to GitHub Desktop

Username or email address

whatisafter

Password   Forgot password?

••••••••••••

Sign in

- Allow the site to open the respective links with the GitHub Desktop App. The following screenshots are for Firefox; other browsers follow a similar procedure:

  o Click on "Always allow…" and then "Choose Application"

Allow this site to open the x-github-desktop-auth link?

You'll need to choose an application.

☑ Always allow **https://github.com** to open **x-github-desktop-auth** links

Choose Application   Cancel
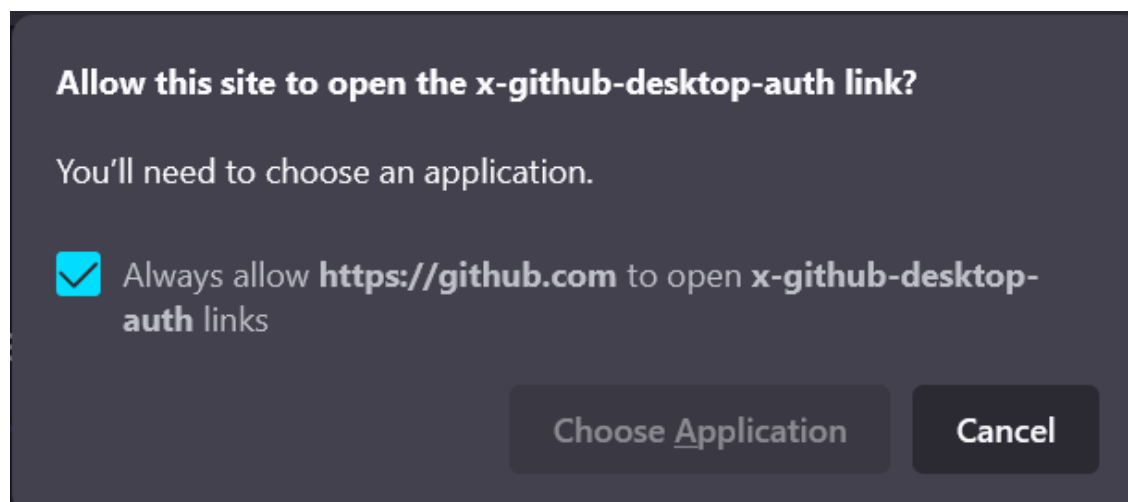
  o Select GitHub Desktop, click on "Always use…" and then "Open Link":

Choose an application to open the x-github-desktop-auth link.

GitHubDesktop

Choose other Application   Choose...

☑ Always use this application to open **x-github-desktop-auth** links
This can be changed in Firefox's options.

Open Link   Cancel
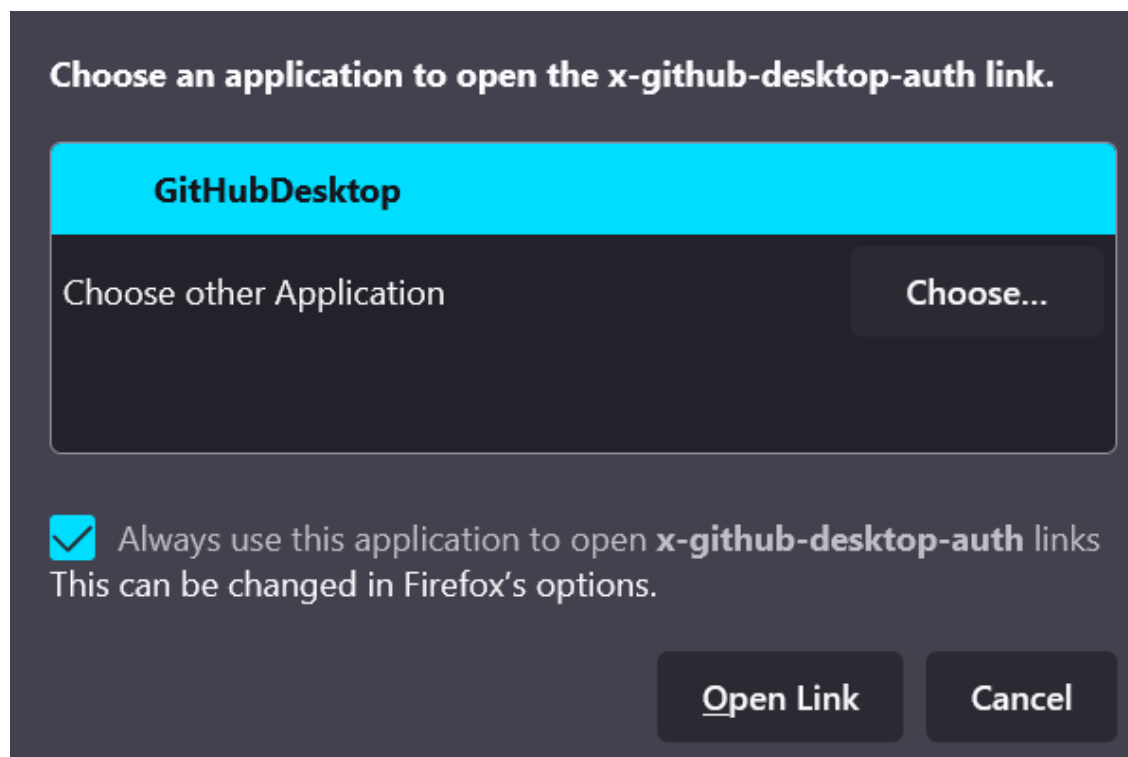
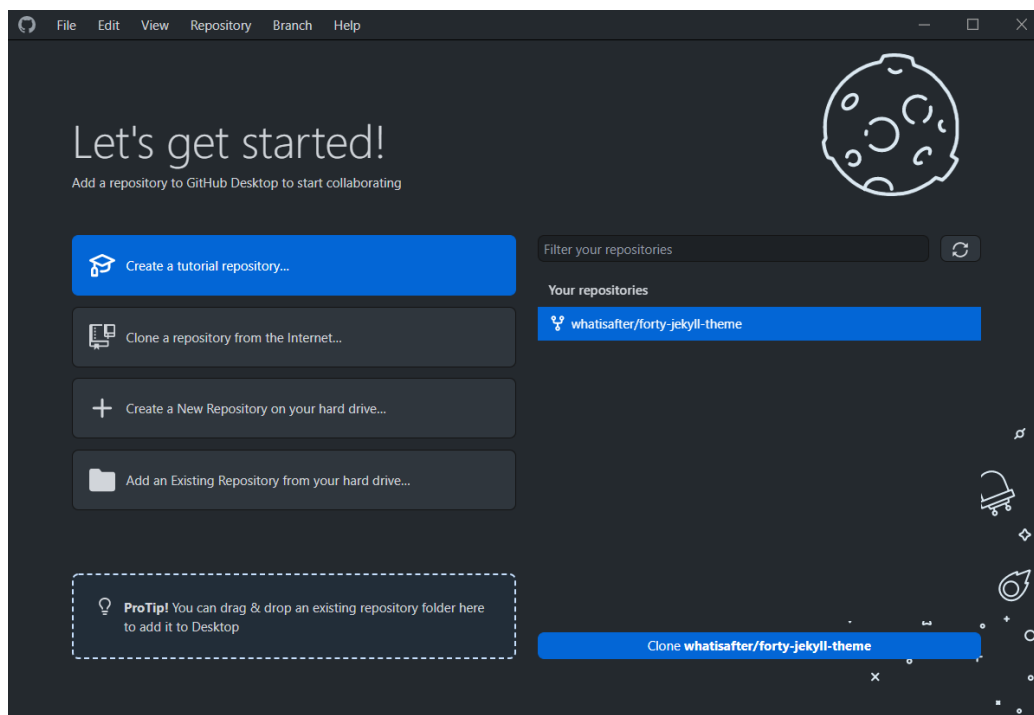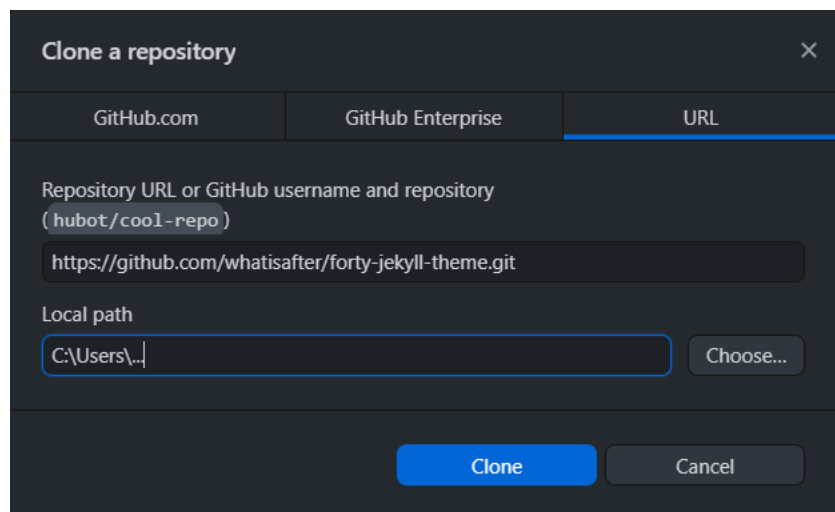- On the next window, select the appropriate e-mail (in this case whatisafter@gmail.com) and click "Fiinish":

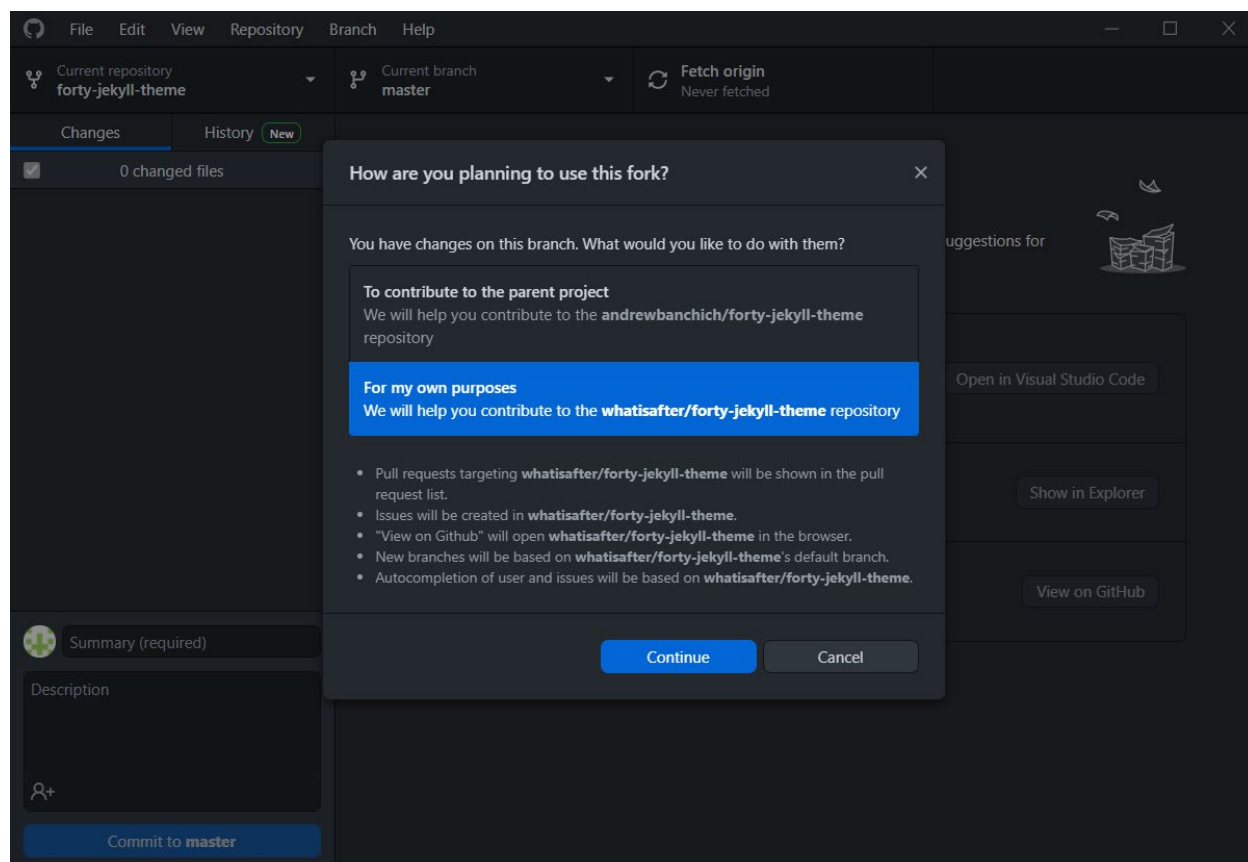- On the next window, select the desired branch(es) to clone (just the whatisafter/forty-jekyll-theme for now):

- Choose your desired path for the GitHub folder to be created. The path must end in \GitHub\forty-jekyll-theme:

- External repos like the forty-jekyll-theme need to be forked (homemade ones don't). Select "For my own purposes" and click "Continue":

GitHub is now installed and configured ☺

Let's see the basic usage:

Make a change to a file in the repo folder, to update an element on the site. The change is automatically detected by the GitHub Desktop app. To make the change effective, we need to "push" the changed files to out online repo. To do that:

- Update the summary of the change (use an indicative title), eg: "minor label change"
- Insert in a simple, informative description, eg: "category label change: from "All posts" to "artwork"
- Click "Commit to master":
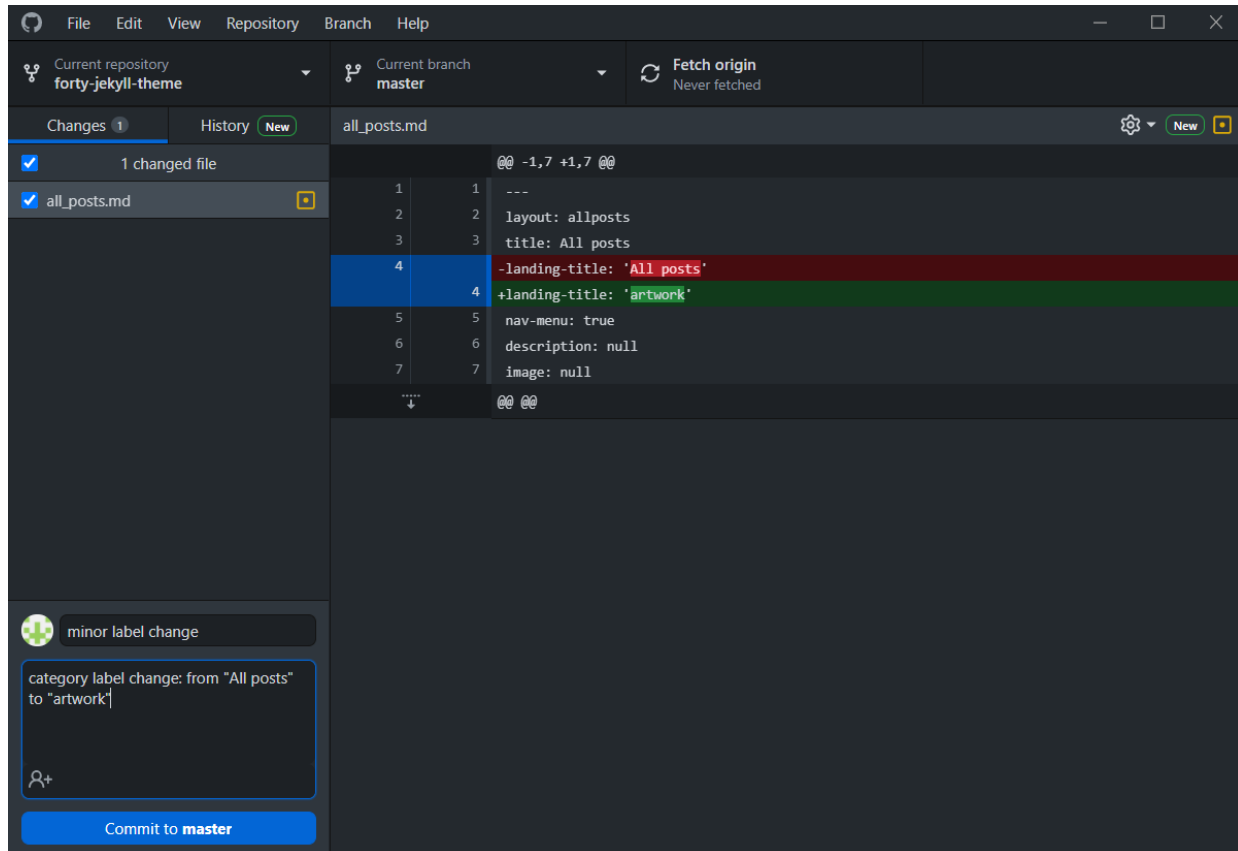
- Click "Push origin":
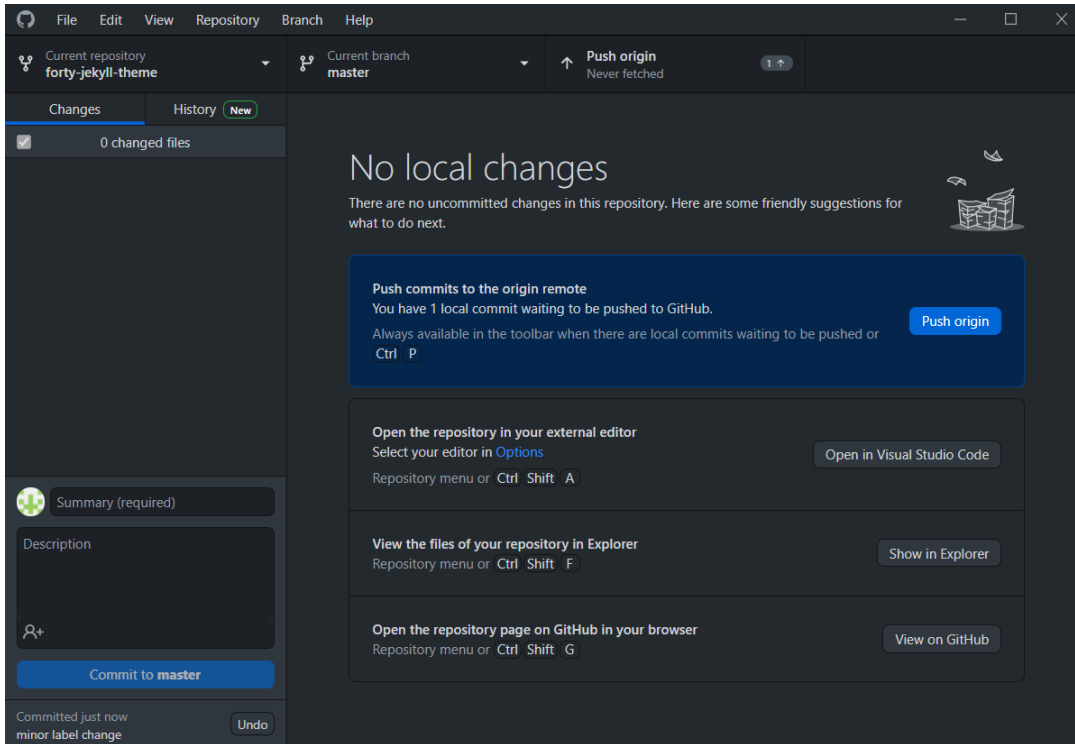
- Wait for a couple of minutes for the change(s) to be visible on the site!

The platform where the "front end" of the site is developed, is Jekyll (using Ruby, html, etc..). The following instructions refer to Ruby Windows installation, to make the creation of Jekyll pages possible:

- Click on https://github.com/oneclick/rubyinstaller2/releases/download/RubyInstaller-3.0.1-1/rubyinstaller-devkit-3.0.1-1-x64.exe to download the .exe file. Save and run it. Choose "I accept the License" and click "Next":
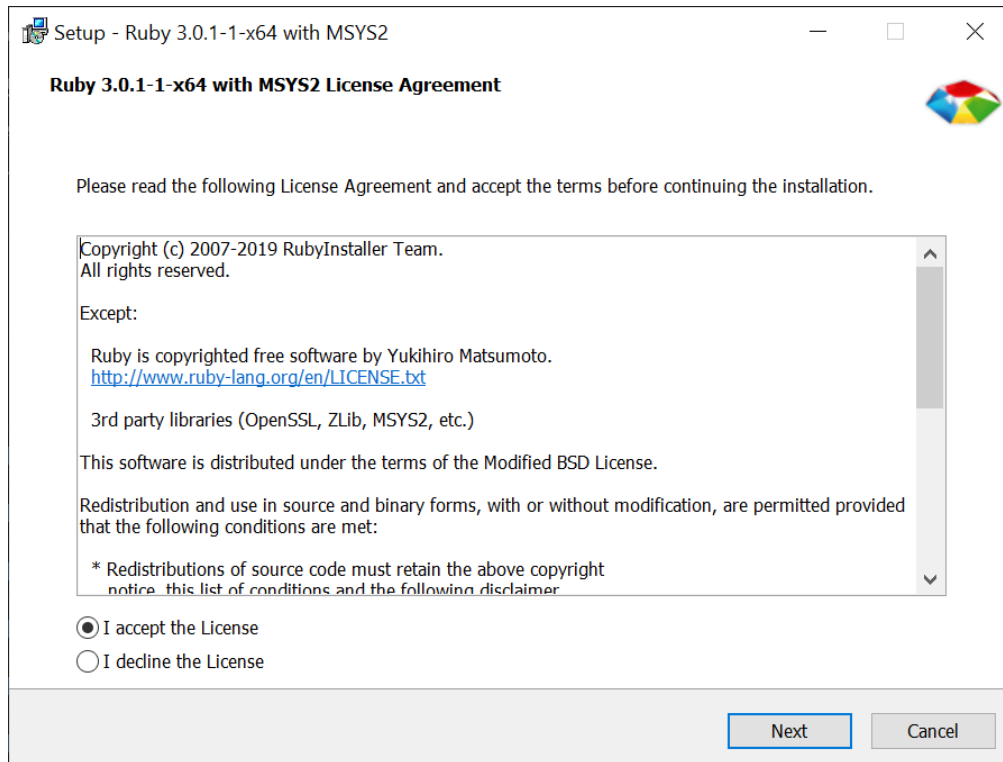
- Click "Install":
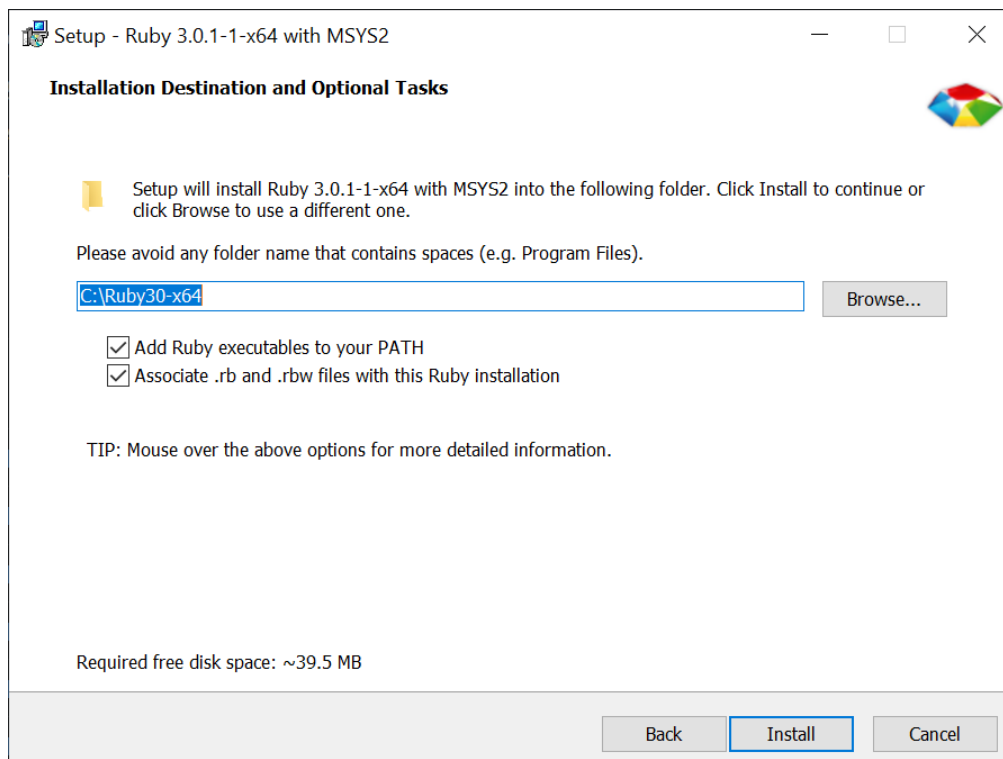
- Click Next:
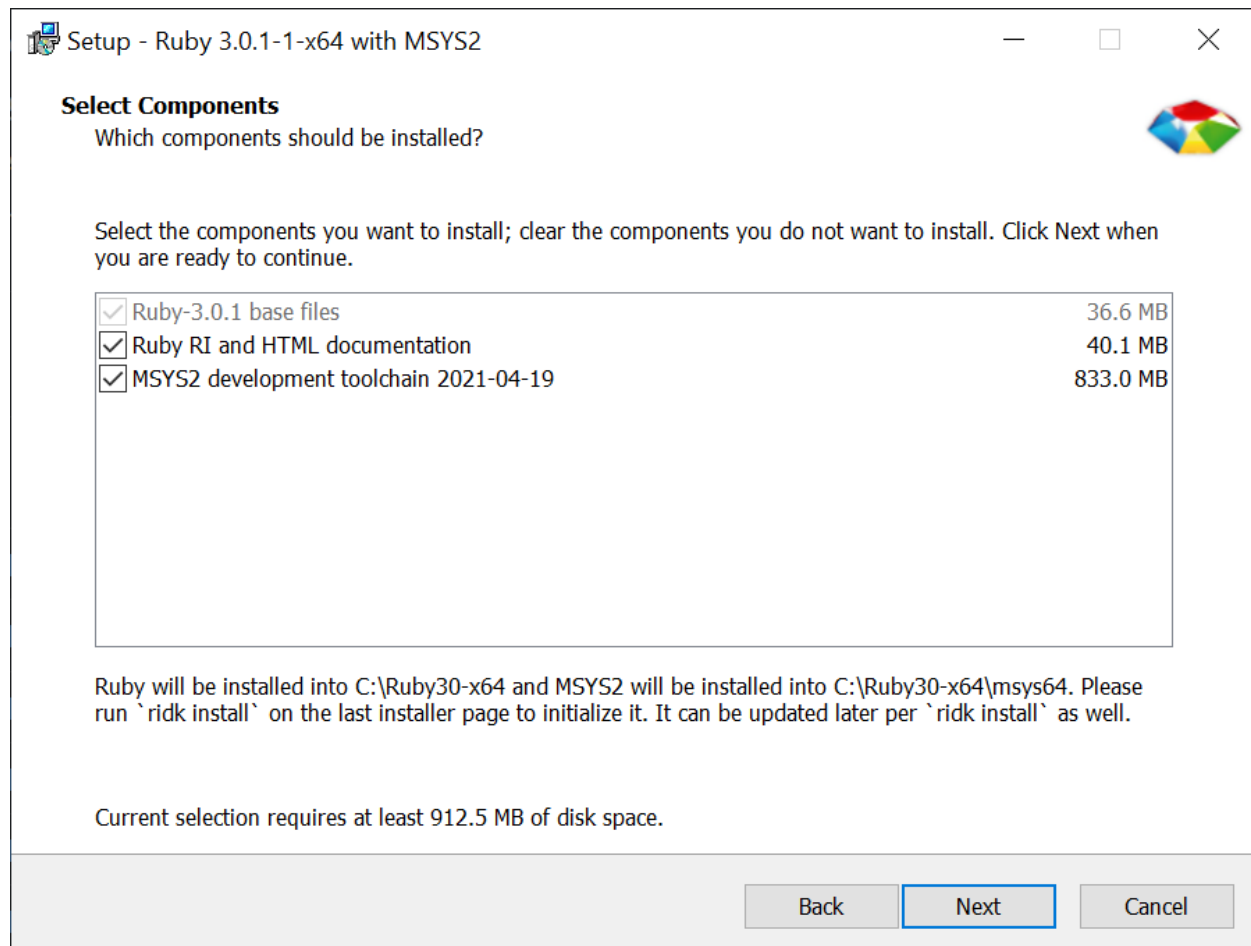
- Wait for the installation to complete and then, on the RubyInstaller2 terminal that pops up, press Enter:
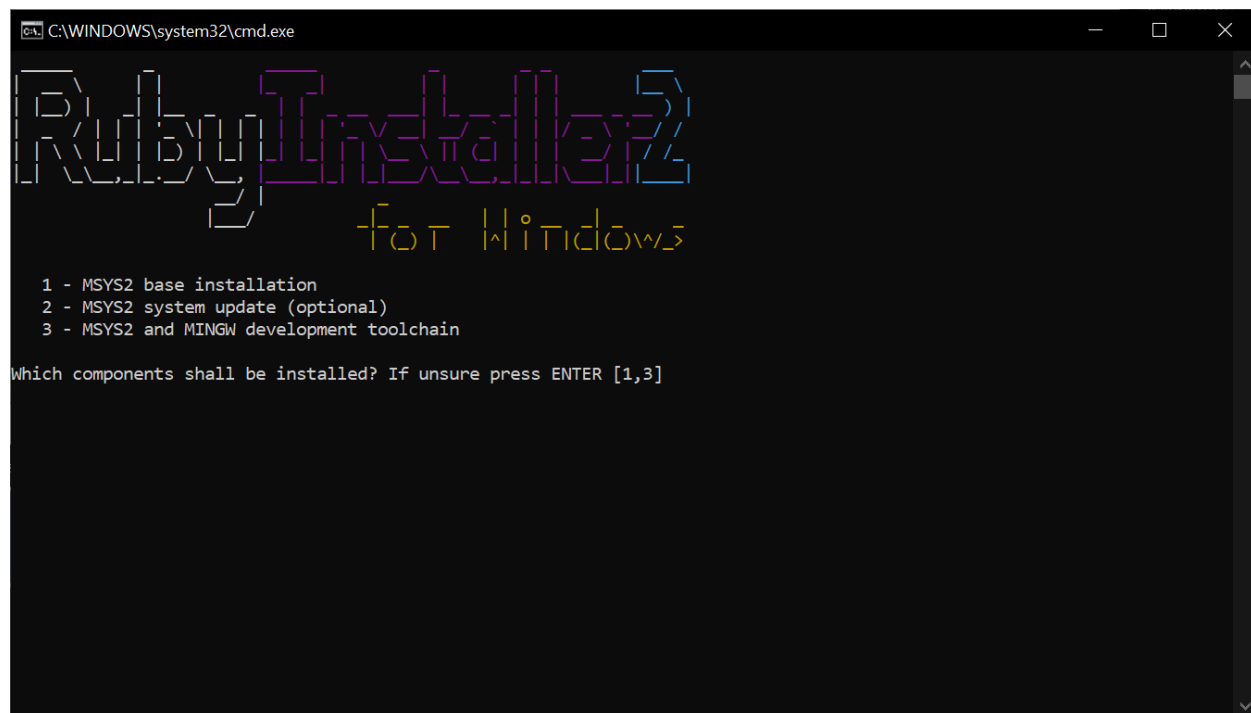
- When the installation finishes, press Enter again and the terminal will close:

```
warning: gawk-5.1.0-1 is up to date -- skipping
warning: grep-3.0-2 is up to date -- skipping
warning: libtool-2.4.6-11 is up to date -- skipping
warning: m4-1.4.18-2 is up to date -- skipping
warning: make-4.3-1 is up to date -- skipping
warning: patch-2.7.6-1 is up to date -- skipping
warning: sed-4.8-1 is up to date -- skipping
warning: texinfo-6.7-3 is up to date -- skipping
warning: texinfo-tex-6.7-3 is up to date -- skipping
warning: wget-1.21.1-2 is up to date -- skipping
warning: mingw-w64-x86_64-binutils-2.36.1-3 is up to date -- skipping
warning: mingw-w64-x86_64-crt-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: mingw-w64-x86_64-gcc-10.2.0-10 is up to date -- skipping
warning: mingw-w64-x86_64-gcc-libs-10.2.0-10 is up to date -- skipping
warning: mingw-w64-x86_64-headers-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: mingw-w64-x86_64-libmangle-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: mingw-w64-x86_64-libwinpthread-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: mingw-w64-x86_64-make-4.3-1 is up to date -- skipping
warning: mingw-w64-x86_64-tools-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: mingw-w64-x86_64-winpthreads-git-9.0.0.6158.1c773877-1 is up to date -- skipping
warning: pkgconf-1.7.3-2 is up to date -- skipping
warning: mingw-w64-x86_64-pkgconf-1.7.3-6 is up to date -- skipping
 there is nothing to do
Install MSYS2 and MINGW development toolchain succeeded

    1 - MSYS2 base installation
    2 - MSYS2 system update (optional)
    3 - MSYS2 and MINGW development toolchain

Which components shall be installed? If unsure press ENTER [] ridk install
```
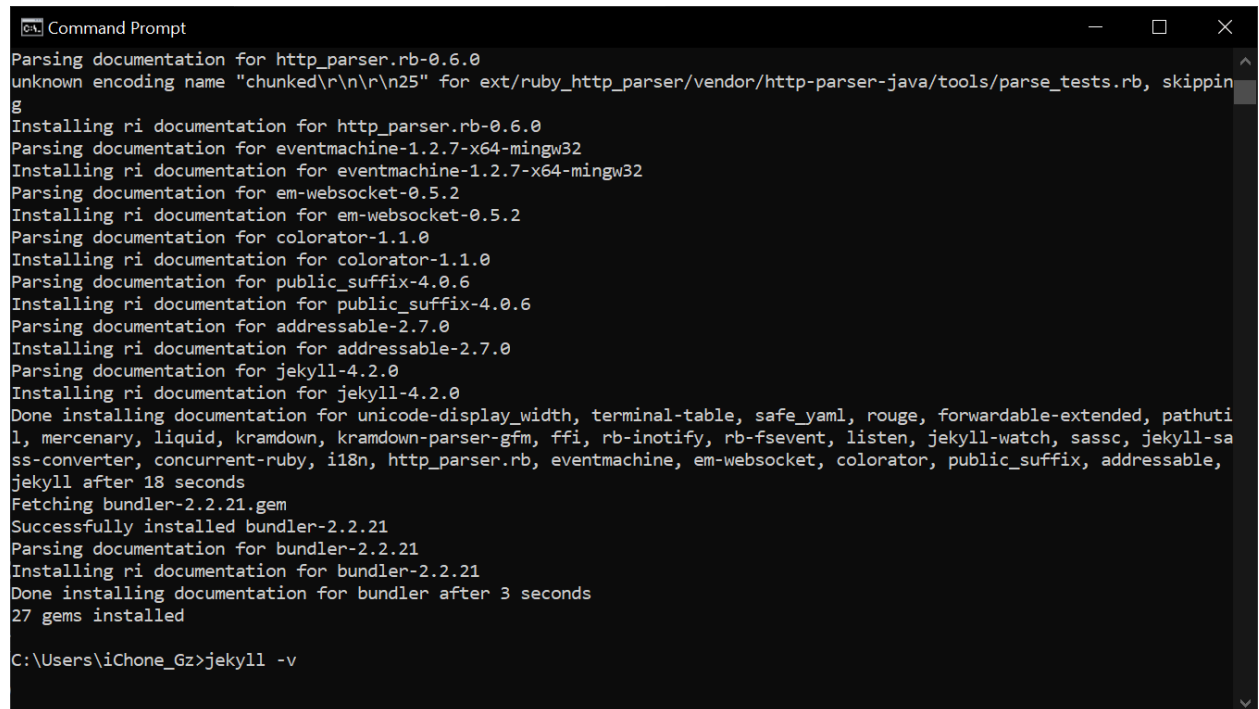
- Open a new terminal (Search for "cmd" or press WinKey + R, type cmd and click OK)

  o Type "`gem install jekyll bundler`" and press Enter:


```
Microsoft Windows [Version 10.0.19041.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\iChone_Gz>gem install jekyll bundler
```

- On the same terminal, when the gems installation completes, type `jekyll -v` and press Enter:

```
Command Prompt                                                          —    □    ✕
Parsing documentation for http_parser.rb-0.6.0
unknown encoding name "chunked\r\n\r\n25" for ext/ruby_http_parser/vendor/http-parser-java/tools/parse_tests.rb, skipping
g
Installing ri documentation for http_parser.rb-0.6.0
Parsing documentation for eventmachine-1.2.7-x64-mingw32
Installing ri documentation for eventmachine-1.2.7-x64-mingw32
Parsing documentation for em-websocket-0.5.2
Installing ri documentation for em-websocket-0.5.2
Parsing documentation for colorator-1.1.0
Installing ri documentation for colorator-1.1.0
Parsing documentation for public_suffix-4.0.6
Installing ri documentation for public_suffix-4.0.6
Parsing documentation for addressable-2.7.0
Installing ri documentation for addressable-2.7.0
Parsing documentation for jekyll-4.2.0
Installing ri documentation for jekyll-4.2.0
Done installing documentation for unicode-display_width, terminal-table, safe_yaml, rouge, forwardable-extended, pathuti
l, mercenary, liquid, kramdown, kramdown-parser-gfm, ffi, rb-inotify, rb-fsevent, listen, jekyll-watch, sassc, jekyll-sa
ss-converter, concurrent-ruby, i18n, http_parser.rb, eventmachine, em-websocket, colorator, public_suffix, addressable,
jekyll after 18 seconds
Fetching bundler-2.2.21.gem
Successfully installed bundler-2.2.21
Parsing documentation for bundler-2.2.21
Installing ri documentation for bundler-2.2.21
Done installing documentation for bundler after 3 seconds
27 gems installed

C:\Users\iChone_Gz>jekyll -v
```

- If everything goes as planned, the message `Jekyll 4.2.0` is shown.
- To create a new page from scratch, follow the steps from 7 and on, from these instructions