

Brock University

Computer Science Department
COSC 4P02 – Software Engineering 2

Instructions to Locally Running HabitForge

HabitForge



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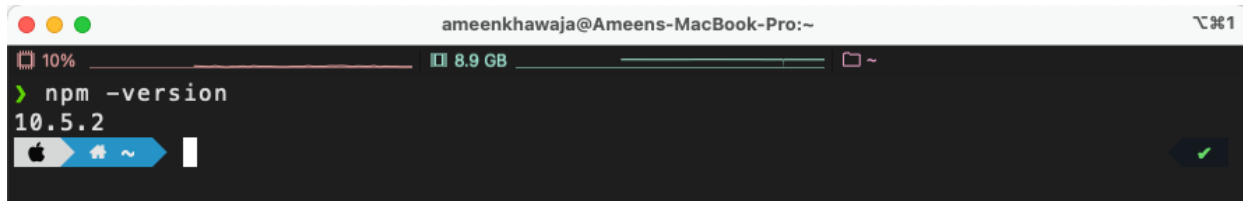
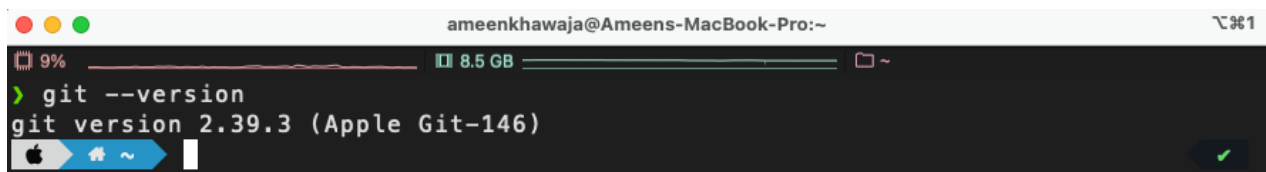
Locally Running HabitForge

Habitforge is hosted on the web and can be accessed at www.habitforge.ca. However, in the case that you are interested in locally running HabitForge on your own computer offline, follow the instructions below.

Prerequisites

- Have either a text editor such as **Visual Studio Code** or an **IDE** to easily run the application.
- Have the most recent version of **Node.js** installed. If you prefer to download an installer rather than installing it locally through your terminal, visit <https://nodejs.org/en/download/>. Else, execute the command below in the command line / terminal.
 - `npm install -g npm`
- Have git installed if you want to directly clone the repository.
 - macOS → `brew install git`
 - Windows → `winget install --id Git.Git -e --source winget`
 - Linux (Debian) → `apt-get install git`

You can verify whether you have npm and git installed by running the following below:

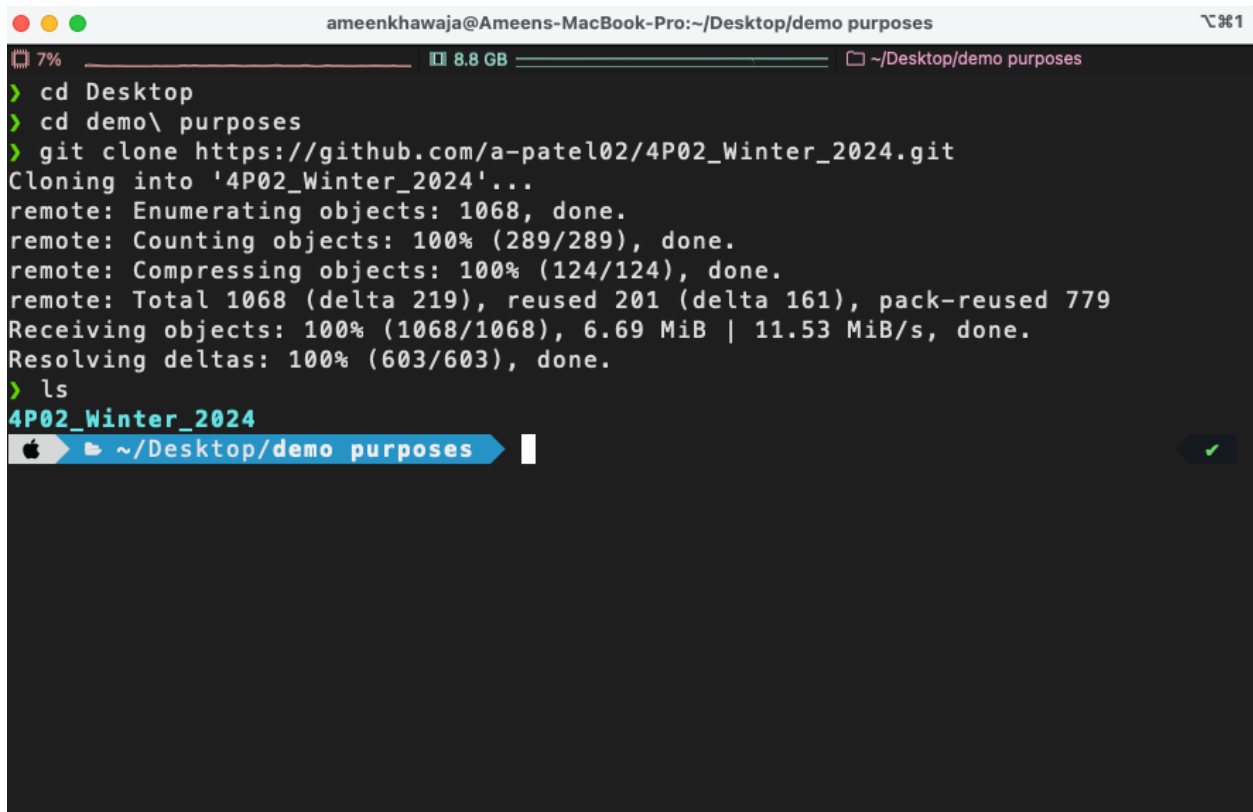
A screenshot of a macOS terminal window titled 'ameenkhawaja@Ameens-MacBook-Pro:~'. The window shows the command 'npm -version' being executed, with the output '10.5.2'. The terminal interface includes a top status bar with a 10% CPU usage indicator, an 8.9 GB memory usage indicator, and a home button icon. The bottom of the window features a dock with an Apple logo, a home button, and a tilde (~) icon, with a green checkmark icon in the bottom right corner.A screenshot of a macOS terminal window titled 'ameenkhawaja@Ameens-MacBook-Pro:~'. The window shows the command 'git --version' being executed, with the output 'git version 2.39.3 (Apple Git-146)'. The terminal interface includes a top status bar with a 9% CPU usage indicator, an 8.5 GB memory usage indicator, and a home button icon. The bottom of the window features a dock with an Apple logo, a home button, and a tilde (~) icon, with a green checkmark icon in the bottom right corner.

Installation

To install HabitForge, there are three options given from the repository itself:

https://github.com/a-patel02/4P02_Winter_2024/tree/main

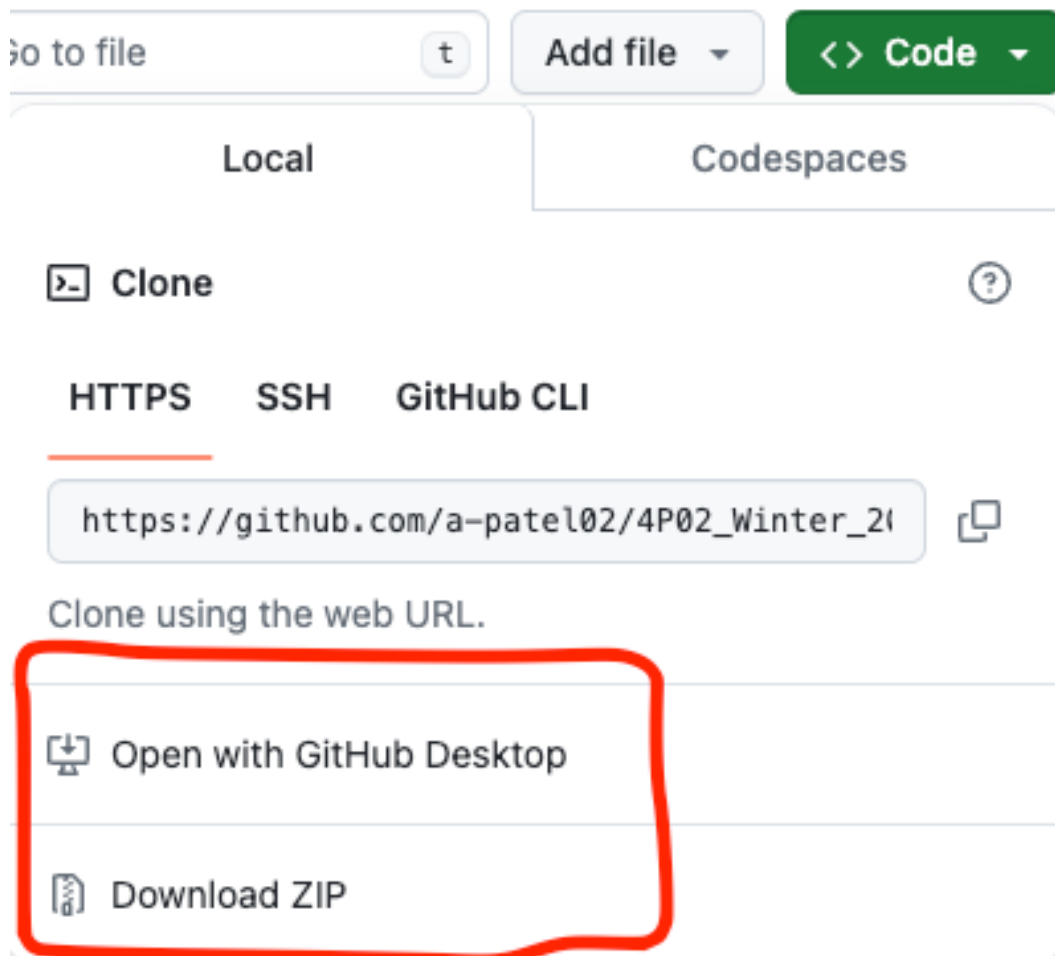
1. Clone the repository →
 1. `git clone https://github.com/a-patel02/4P02_Winter_2024.git`
 2. When cloning the repository, make sure you clone it to in the directory you want it at. In the photo below, the directory the project is being cloned into is called `demo\ purposes` . After the cloning is complete, make type `ls` and ensure you see `4P02_Winter_2024`.

A screenshot of a macOS terminal window. The title bar shows the user 'ameenkhawaja@Ameens-MacBook-Pro' and the current directory '~/Desktop/demo purposes'. The terminal output shows the following commands and their results:

```
> cd Desktop
> cd demo\ purposes
> git clone https://github.com/a-patel02/4P02_Winter_2024.git
Cloning into '4P02_Winter_2024'...
remote: Enumerating objects: 1068, done.
remote: Counting objects: 100% (289/289), done.
remote: Compressing objects: 100% (124/124), done.
remote: Total 1068 (delta 219), reused 201 (delta 161), pack-reused 779
Receiving objects: 100% (1068/1068), 6.69 MiB | 11.53 MiB/s, done.
Resolving deltas: 100% (603/603), done.
> ls
4P02_Winter_2024
```

Below the terminal output, a macOS Finder window is visible, showing the directory structure: a blue bar with an Apple icon, a folder icon, and the text '~ / Desktop / demo purposes'. A green checkmark icon is visible in the bottom right corner of the Finder window.

2. The second option is to open HabitForge with GitHub Desktop if you have GitHub Desktop installed
3. The third option is to directly download the ZIP file directly from GitHub



Running the Project

Now that you have the project installed, we will now focus on getting the project up and running. Open the project with ur IDE or text editor of choice. For this tutorial, Visual Studio Code will be used.

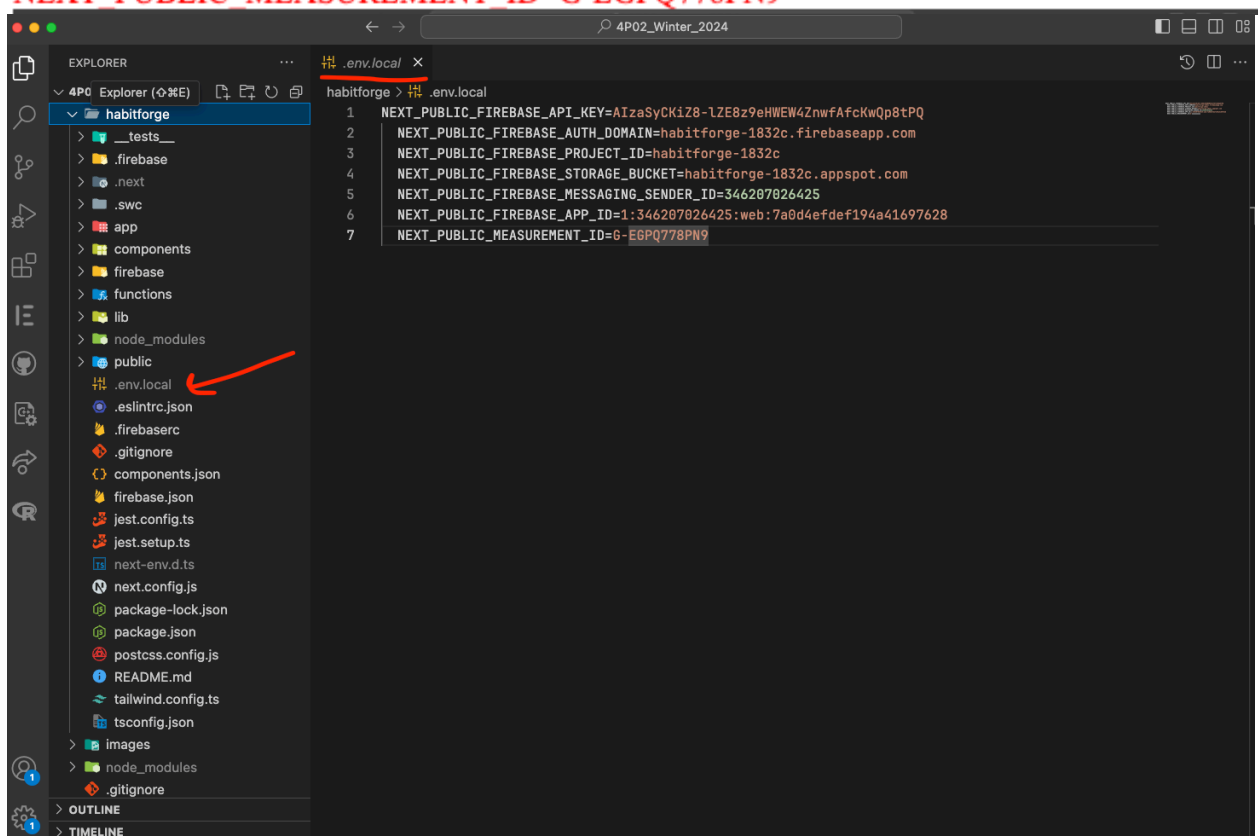
1. Open the terminal in VS Code and cd into the project directory →
`cd 4P02_Winter_2024/`
2. If you type `ls`, you should be in the root directory and a folder named **habitforge** should appear. Cd into the habitforge directory → `cd habitforge/`

3. Within the **habitforge** directory, create a new file called **.env.local** and paste the following inside the file. It should look like the photo below. This step is required to connect to firebase.

In your .env.local file, you should have the following pasted in:

This is pasted as a photo because it will flag Firebase on our end.

```
NEXT_PUBLIC_FIREBASE_API_KEY=AIzaSyCKiZ8-lZE8z9eHWEW4ZnwFAfcKwQp8tPQ
NEXT_PUBLIC_FIREBASE_AUTH_DOMAIN=habitforge-1832c.firebaseio.com
NEXT_PUBLIC_FIREBASE_PROJECT_ID=habitforge-1832c
NEXT_PUBLIC_FIREBASE_STORAGE_BUCKET=habitforge-1832c.appspot.com
NEXT_PUBLIC_FIREBASE_MESSAGING_SENDER_ID=346207026425
NEXT_PUBLIC_FIREBASE_APP_ID=1:346207026425:web:7a0d4efdef194a41697628
NEXT_PUBLIC_MEASUREMENT_ID=G-EGPQ778PN9
```



4. Now, we can locally run the server by ensuring we are in the **habitforge** directory and running: **npm run dev**
 1. If you get an error saying “sh: next: command not found”, it means you don’t have **next** installed. You can install it by running the command **sudo npm install next react react-dom**

5. When opening localhost:3000, HabitForge should successfully open and you should be able to sign in and use the application locally.



Log in



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