

# Development Manual

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The sections below detail the bare minimum needed to get the project to build on a fresh machine.

## 1 Source control access

You are going to need a GitHub client suitable for your machine. If you are running a Windows machine, Github for Windows should be sufficient. If you are running on a linux distribution, you use whichever package manager you have to install git (eg. `apt-get install git`).

As for access to our source control, you will need to be a collaborator, as the repository is private. If you do not already have access, you may reach the repository owner via email (`hafdis13@ru.is`).

First, wherever you would like the project to be installed, run

```
git clone https://github.com/HafdisE/TicTaCo.git
```

in your terminal of choice (or via GitHub for Windows PowerShell on a Windows machine). You might be prompted for your login information, which you should then provide. This is sufficient to get the project cloned onto your computer.

## 2 Dependencies

The following are things you need to build the project:

**OpenJDK 1.7** You can fetch this on a linux machine using `apt-get install openjdk-7-jdk` or an equivalent command.

**Gradle (optional)** Seeing as the project has the gradle wrapper, there is no need for you to set up gradle yourself.

**Firefox version 33** If you want to run selenium tests locally.

On windows you run `cmd.exe` or PowerShell whereas on linux you open a bash terminal of your choice. Navigate to the root of the cloned project. On windows, run the command `gradlew.bat build` to try building the project. On linux, run `./gradlew build`. Congratulations! You have built the project. If you'd like to push any changes to the CI server, simply run `git push` in the project root using PowerShell on windows or your preferred shell on linux. For editing, you can use your preferred IDE for java. IntelliJ is great, as you can use the inbuilt source control, as well as IntelliJ will automatically recognise your project as a gradle project and allow you to run the gradle tasks in IntelliJ.

### 3 Reports

All reports (code coverage, test results) should be available at <http://hafdise.github.io/TicTaCo/>. These are generated after a build on Travis (whether it was successful or not).