

# Subplot README

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Capture and communicate acceptance criteria for software and systems, and how they are verified, in a way that's understood by all project stakeholders.

Acceptance criteria are expressed as *scenarios* in the Cucumber given/when/then style:

```
given a web site subplot.liw.fi
when I retrieve the site front page
then it contains "Subplot"
and it contains "acceptance criteria"
```

### 0.1 When all stakeholders really need to understand acceptance criteria

Subplot is a set of tools for specifying, documenting, and implementing automated acceptance tests for systems and software. Subplot tools aim to produce a human-readable document of acceptance criteria and a program that automatically tests a system against those criteria. The goal is for every stakeholder in a project to understand the project's acceptance criteria and how they're verified.

See <https://subplot.liw.fi/><sup>1</sup> for the home page.

### 0.2 Hacking Subplot

Subplot is written using the Rust programming language, so the usual workflow for Rust applies. To build run `cargo build`, to run tests in Rust run `cargo test`. You probably need to install Rust using `rustup`: the version packaged in a Linux distribution is likely too old.

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<sup>1</sup><https://subplot.liw.fi/>

To run the whole test suite, including testing all examples and Subplot self tests, run `./check` at the root of the source tree.

You'll need to install build dependencies installed. On a system running Debian or a derivative of it:

```
$ sudo apt-get install build-essential git debhelper dh-cargo python3 \
  pandoc texlive-latex-base texlive-latex-recommended \
  texlive-fonts-recommended librsvg2-bin graphviz pandoc-citeproc \
  plantuml daemonize lmodern procs
```

Additionally, any packages reported by running the following command:

```
$ dpkg-checkbuilddeps
```

To build the Debian package:

```
$ git archive HEAD | gzip > "../subplot_$(dpkg-parsechangelog -SVersion | sed 's/-.*$/')".orig
$ dpkg-buildpackage -us -uc
```

## 1 Legalese

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