

# Contributors Guide

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This guide provides guidance to those looking to build the platform from source, either to contribute back pull requests and enhancements, or just to fork for their own purposes.

# Directory Structure

```
_mothballed/          # unused from previous demo apps (eg fake SOAP external system)
adocs/
├── documentation/     # docs and website source
├── search/            # node.js scripts to generate searchable index
└── template/          # HTML template/styling for website
ex/
├── app/
│   └── quickstart/    # quickstart application
└── arch/
    └── quickstart/    # quickstart archetype
mavenmixins/
modules/               # modules making up the platform
├── pom.xml            # org.incode:incode-parent
├── dom/               # generic subdomains
├── ext/               # extensions
├── lib/               # libraries
├── mml/               # metamodel facets
├── spi/               # Core framework SPI (hook) implementations
└── wkt/               # Wicket viewer components
```

# Building

The platform must be built in the following order:

- `mavenmixins/` - maven mixins, which is depended on by:
- `modules/` - modules, which is depended on by:
- `ex/app/quickstart/` - quickstart example app, which is used as the template for:
- `ex/app/archetype/` - quickstart archetype

## Building the mavenmixins

These must be built first, because the modules depend upon them.

```
mvn clean install -Dskip.isis-validate -Dskip.isis-swagger -o
```

## Building Modules

To build all modules, use:

```
mvn clean install -o
```

Running in parallel requires disabling the Apache Isis Maven plugin (it is currently not thread-safe):

```
mvn clean install -o -T1C -Dskip.isis-validate -Dskip.isis-swagger
```

To build an individual module, use:

```
mvn clean install -D dom-alias -Dskip.default -o -Dskip.isis-validate -Dskip.isis-swagger
```