

# BibTeX Bibliography Index Maker: Developer Manual

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## 1 Setting up the environment

- Make sure that your box fulfils the following software requirements:

- Python 2.6: <http://www.python.org/download/releases/>
- Git: <http://git-scm.com/>

Any other tool should be automatically downloaded and installed using the provided bootstrap scripts.

- Checkout the project from *github*: Open a terminal and go to your enlistments folder (e.g. `/home/rxuriguera/enlistments`) and run

```
cd <path-to-enlistments>
git clone git://github.com/rxuriguera/bibtexIndexMaker.git <
  enlistment-dir>
```

From now on, we will refer to `<path-to-enlistments>/<enlistment-dir>` as `$BIMAKER_HOME`

- Run the environment set-up script:

```
cd bimaker/infrastructure/environment
./setup-devenv
```

- Create a desktop icon or a launcher that invokes `$BIMAKER_HOME /infrastructure/enlistments/devenvlauncher`. Make sure to pass `$BIMAKER_HOME` as a parameter to the script.

## 2 Project Structure

The project's source has been divided into different packages each of which uses `buildout`. They can be found at `$BIMAKER_HOME /packages`. Build scripts and the like are placed under `$BIMAKER_HOME /infrastructure`.

## 3 Build Infrastructure

The builds should be scheduled and tracked using `Buildbot`, which can be easily installed with the following code:

```
cd bimaker/infrastructure/buildbot  
./setup  
./start
```

In order to deploy **Buildbot**, **Twisted** has to be installed on your system. If you allow **buildmaster** to be accessed from the Internet, you can hook up a script to GitHub so every check-in triggers a new build.