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, 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 $BIBIM_HOME

- Run the environment set-up script:

  ```
  cd bibim/infrastructure/environment
  ./setup−devenv
  ```

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

2 Project Structure

Source can be found under $BIBIM_HOME /src and build scripts and the like are placed under $BIBIM_HOME /infrastructure.

3 Build Infrastructure

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

```
cd bibim/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.