

Build procedure and testing

Building:

You can use two different ways of building the Schmaps project. You can either use Eclipse to build it or you can use Ant to build it.

Using Eclipse:

Right click the Schmaps project directory in the package explorer-> Build Project.

Using Ant:

If you're building the project for the first time you need to set the project properties correctly. This is done by navigating to the root folder of Schmaps using a terminal and run following command:

```
android update project -p .
```

Then navigate to the SchmapsTestTest folder and run following command:

```
android update test-project -m C:\...\Schmaps -p .
```

When this is done you can build the project using the command:

```
ant -f build.xml
```

or just:

```
ant
```

Testing:

Same as with building, you can test Schmaps project using either Eclipse or Ant. The tests are found in the SchmapsTestTest src folder.

Using Eclipse:

Right click the SchmapsTestTest project in the package explorer-> Run as -> Android Test Project.

Using Ant:

Navigate to the test folder using a terminal then run the command:

```
ant clean debug install test
```

to test the project.

If you want to get coverage on the code that is tested you need Emma installed, can be found on: <http://www.emma.sourceforge.net>

When Emma is installed you can run the command:

```
ant clean emma debug install test
```

When the tests are done you can get the coverage file by running an adb shell using the command:

```
adb pull data/data/com.chalmers.schmaps/coverage.ec
```

Then you can import the coverage file to Eclipse by using File -> Import -> Other -> Coverage Session. The coverage file is located in the SchmapsTestTest directory.