

```
<?xml version="1.0"?>
<package format="2">
  <name>mobrob_util</name>
  <version>0.0.0</version>
  <description>The mobrob_util package</description>
```

**Commented [PA1]:** Package name and info

```
<!-- One maintainer tag required, multiple allowed, one person per tag -->
<!-- Example: -->
<!-- <maintainer email="jane.doe@example.com">Jane Doe</maintainer> -->
<maintainer email="pi@todo.todo">pi</maintainer>
```

```
<!-- One license tag required, multiple allowed, one license per tag -->
<!-- Commonly used license strings: -->
<!-- BSD, MIT, Boost Software License, GPLv2, GPLv3, LGPLv2.1, LGPLv3 -->
<license>TODO</license>
```

**Commented [PA2]:** If releasing your package to the public, you would definitely want to specify a maintainer and a license.

```
<!-- Url tags are optional, but multiple are allowed, one per tag -->
<!-- Optional attribute type can be: website, bugtracker, or repository -->
<!-- Example: -->
<!-- <url type="website">http://wiki.ros.org/mobrob_util</url> -->
```

```
<!-- Author tags are optional, multiple are allowed, one per tag -->
<!-- Authors do not have to be maintainers, but could be -->
<!-- Example: -->
<!-- <author email="jane.doe@example.com">Jane Doe</author> -->
```

```
<!-- The *depend tags are used to specify dependencies -->
<!-- Dependencies can be catkin packages or system dependencies -->
<!-- Examples: -->
<!-- Use depend as a shortcut for packages that are both build and exec dependencies -->
<!-- <depend>roscpp</depend> -->
<!-- Note that this is equivalent to the following: -->
<!-- <build_depend>roscpp</build_depend> -->
<!-- <exec_depend>roscpp</exec_depend> -->
<!-- Use build_depend for packages you need at compile time: -->
<!-- <build_depend>message_generation</build_depend> -->
<!-- Use build_export_depend for packages you need in order to build against this package: -->
<!-- <build_export_depend>message_generation</build_export_depend> -->
<!-- Use buildtool_depend for build tool packages: -->
<!-- <buildtool_depend>catkin</buildtool_depend> -->
<!-- Use exec_depend for packages you need at runtime: -->
<!-- <exec_depend>message_runtime</exec_depend> -->
<!-- Use test_depend for packages you need only for testing: -->
<!-- <test_depend>gtest</test_depend> -->
```

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<!-- Use doc_depend for packages you need only for building documentation: -->
<!-- <doc_depend>doxygen</doc_depend> -->
<buildtool_depend>catkin</buildtool_depend>
<build_depend>geometry_msgs</build_depend>
<build_depend>message_generation</build_depend>
<build_depend>message_runtime</build_depend>
<build_depend>roscpp</build_depend>
<build_depend>rospy</build_depend>
<build_depend>std_msgs</build_depend>
<build_export_depend>geometry_msgs</build_export_depend>
<build_export_depend>roscpp</build_export_depend>
<build_export_depend>rospy</build_export_depend>
<build_export_depend>std_msgs</build_export_depend>
<exec_depend>geometry_msgs</exec_depend>
<exec_depend>message_generation</exec_depend>
<exec_depend>message_runtime</exec_depend>
<exec_depend>roscpp</exec_depend>
<exec_depend>rospy</exec_depend>
<exec_depend>std_msgs</exec_depend>

```

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<!-- The export tag contains other, unspecified, tags -->
<export>
  <!-- Other tools can request additional information be placed here -->

</export>
</package>

```

**Commented [PA3]:** These are the instructions. Note we are generally adding things as “build\_depend” and “exec\_depend”.

Occasionally some documentation will mention “run\_depend”, e.g. in error messages: this was an old name for “exec\_depend”

**Commented [PA4]:** geometry\_msgs and many of the others were put here by the “catkin\_create\_pkg” command when the package was created.

“message\_generation” and “message\_runtime” were also included in that call, but they were only put in one place (build\_depend or exec\_depend) and not both – reason unknown. Catkin complained, so put them both in both places.

**Commented [PA5]:** One of these was here by default and the other not. Make sure both are here.

**Commented [PA6]:** One of these was here by default and the other not. Make sure both are here.