

# Remodel – Instructions

The code can be found at <https://github.com/guptha-/remodel.git>

git clone <https://github.com/guptha-/remodel.git> creates a folder called remodel in the present working directory.

An executable has been checked in into the folder remodel so that remodel can build itself.

./remodel builds bin/remodel, which is the actual executable that is used by the test suite

./remodel test builds bin/test.exe, which is the test framework.

To build a custom system, a remodfile needs to be created that illuminates remodel about what needs to be built.

The description of remodfile given below is from <http://plasma.cs.umass.edu/emery/project-2>

remodel uses a different grammar than make. Dependencies can appear in any order. If you execute remodel with no arguments, it should start with the pseudo-target DEFAULT. Otherwise, the root is the argument to remodel, as in remodel foo.o.

```
program ::= production*
production ::= target '<-' dependency (':' "" command "")
dependency ::= filename (',' filename)*
target ::= filename (',' filename)*
```

Here's an example that builds the program baz from two source files, foo.cpp and bar.cpp.

```
DEFAULT <- baz
baz <- foo.o, bar.o: "g++ foo.o bar.o -o baz"
foo.o <- foo.cpp : "g++ -c foo.cpp -o foo.o"
bar.o <- bar.cpp: "g++ -c bar.cpp -o bar.o"
```