

## Homework 1 Clarification(s) Far from unusual for students to feel a little lost at this point — so try on your own, then ask! Method instance in BasicGameSetup mentions "singleton". What's that about? Reference to "singleton design pattern" — idea that for some classes there should only ever be one instance.











Error Handling — Exceptions
Idea — when something goes wrong, "throw an exception". What then?
Aside — as program runs, we can think of it keeping a stack of nested method calls ("push" when we call a method, "pop" when one returns).
When an exception is thrown, runtime system works its way up this stack until it finds something to "catch" the exception. If it never finds anything, it terminates the program (actually the thread).
Mostly this is what Java library classes use to indicate errors — but some use return codes, so read documentation carefully.











