Wait a second, didn't you
say we should NOT program to an
implementation? But what are we doing in that
constructor? We're making a new instance of a
concrete Quack implementation class!



Good catch, that's exactly what we're doing... for now.

Later in the book we'll have more patterns in our toolbox that can help us fix it.

Still, notice that while we *are* setting the behaviors to concrete classes (by instantiating a behavior class like Quack or FlyWithWings and assigning it to our behavior reference variable), we could *easily* change that at runtime.

So, we still have a lot of flexibility here. That said, we're doing a poor job of initializing the instance variables in a flexible way. But think about it: since the quackBehavior instance variable is an interface type, we could (through the magic of polymorphism) dynamically assign a different QuackBehavior implementation class at runtime.

Take a moment and think about how you would implement a duck so that its behavior could change at runtime. (You'll see the code that does this a few pages from now.)