Pattern name: Observer	
Class Name	Role
Chip (observes bugs)	Observer
Chip (is observed by bugs)	Observable
Bug (observes Chip)	Observer
Bug (observed by Chip)	Observable

Purpose: When a bug moves, Chip will detect if they are colliding, and when Chip moves, the bug will detect if they are colliding

Pattern name: Factory		
Class Name	Role	
BugFactory	Factory	
Bug	Created by factory	
Purpose: Bug factory will create new bugs and keep track of them		

Pattern name: Strategy pattern		
Class Name	Role	
Bug	Parent class, has a BugMovement variable	
BugMovement	Interface	
ErraticBugMovement	Implements BugMovement	
StraightLineBugMovement	Implements BugMovement	
Purpose: Each bug will be able to move in a different way, and new movement strategies can easily by added		