

## Lab5 - Test Requirements

Requirements	Tests	
<b>TestCell</b>		
initializes correctly		
can add one or two weapons		
can remove one or two weapons		
cannot place a weapon in a full cell		
<b>TestLifeForm (using Mock class)</b>		
can store valid row and col number		
row and col initialized to -1's		
row and col remain -1 if either parameter from setLocation is negative		
<b>TestEnvironment</b>		
test initialize (as Singleton)		
can add a weapon to a location		
can remove a weapon from a location		
get distance along same row		
get distance along sam column		
get distance not along same row or column		
<b>Instructor use only</b>		/13

1. *initialization* refers to using a constructor and check if the state (fields) of the objects have the expected values after construction.
2. You should use a reasonable *test oracle* to verify if your code does what the test wants it to do. For example, you may retrieve the LifeForm in a Cell and check if it's the one you added for meeting the requirement "can add a LifeForm".
3. Each requirement must be met by at least a unique test case (method).
4. You can have multiple test cases (methods) for a single requirement.