**Name: MSSV:**

**Issue 1**

Write down your understanding of the following terms.

1. **Unit test:** Do programmer test lại code của mình trước khi chuyển cho teammate, theo lý thuyết thì dựa vào phương pháp white box nhưng trong thực tế chủ yếu cũng dựa vào black box
2. **Black box:**
3. **White box:**
4. **Acceptance test:**
5. **Integration test:**
6. **Regression test:**
7. **Validation:**

**Issue 2**

Consider a two versions of evolving software as follows

|  |  |
| --- | --- |
| int f(int n){  if(n>0) return n;  else return -n;  } | int f(int n){  if(n>3)  {  Global++;  return n;  }  else return -n;  } |
| Original requirement: Write a function f taking an integer parameter n that returns the absolute value of n. | Evolved requirement: Write a function f taking an integer parameter n that returns the absolute value of n. In addition, if n is greater than 3, f will increase the value of the global variable Global by 1. |

1. Give an example of test cases covering original requirement but unable to cover evolved requirement
2. Give an example of test cases covering evolved program but unable to cover evolved requirement
3. Suggest a strategy to generate test cases covering both versions

**Issue 3**



**Testing Procedure:**

1. Compare details on web site with those from Socialbaker
2. Compare details on web site with those from Fan Pages
3. Check on IE, Chrome, FF, Safari

**Practice**

1. Give an example of ambiguous defect (system does not run normally, but not sure if it is a bug, need re-check)
2. Give an example of false defect (system does not run normally, but it is not a bug)
3. Give an example of bug which should be pending if not enough resource (time, manpower etc.)