**Integration testing-**

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| Test Conducted | Input | Expected Output | Observed Output | Status |
| Checking integration of login module and object detection module. | Enter valid login details.  i.e., Username and password. | The system should identify the target object on production line using its master image. | Target object identified successfully. | Pass |
| Checking integration of object detection module and object tracking module. | Coordinates of the target object detected.  Speed of conveyer belt.  Master image. | The coordinates of the target object should be updated as the object moves on the conveyer belt. | Coordinates of the target object updated successfully. | Pass |
| Checking integration of object tracking module and arm movement. | Final Coordinates of the target object. | The robotic arm should adjust its joint angles according to the coordinates it get from object tracking module using inverse kinematics. | Object picked and placed successfully at its destination. | Pass |

**Acceptance Testing-**

Acceptance Testing is a level of the software testing where a system is tested for acceptability. The purpose of this test is to evaluate the systems compliance with the business requirements and assess whether it is acceptable for delivery.

There will be two different types of acceptance testing that will be performed-

1. Internal acceptance testing – It is also known as alpha testing. It will be performed by the members of the organization that developed the software but who are not directly involved in the project. So, in our case that will be done by the employees of our sponsored company (Indus Robotics).
2. *External Acceptance Testing*is performed by people who are not employees of the organization that developed the software.

2.1 Customer Acceptance Testing is performed by the customers of the organization that developed the software. They are the ones who asked the organization to develop the software. [This is in the case of the software not being owned by the organization that developed it.]

2.2 *User Acceptance Testing*(Also known as Beta Testing) is performed by the end users of the software. They can be the customers themselves or the customers’ customers.