# **1. Testing Strategy**

## 1.1 Overview

This test is used to test the project ECM functionality step by step based on the project specification. It includes mainly the functional testing. The functionality of this project includes Showing Album-related information, Add and update information for each entity, and Simple analysis and exploration for each entity.

## 1.2 Type of Testing

Due to the testing is based on the project specification, unit test, integration test and functional testing are decided to use in this test.

### 1.2.1 Objective

The unit testing is used to test the small unit of this project. The purpose of this testing is to validate each unit in this project performing well. As the model of this project, using unit test to test each model’s methods assures each model can perform well.

The integration test is used to test the slice of functionality of this project, which can test the interaction of each model perform well or not.

The purpose of functional testing which includes the above two testings is to test the functionality of this project as expected as designed. In this project, showing album-related information functionality, add and update information for each entity and simple analysis and exploration for each entity will be all tested.

## 1.3 Testing Tools and Approach

## 1.4 Defect Tracking Mechanisms

# **2.Setup Process**

# **3.Extension**

## 3.1 Overview

## 3.2 Testing Extension

# **4.Self Assessment**