**Software testing**

We have followed two methods of testing in our project. Unit testing and Integration testing.

1. **Unit Testing**

Unit testing is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. Unit testing is often automated but it can also be done manually.

Unit Testing is performed by using the White Box Testing method.

Once all of the units in a program have been found to be working in the most efficient and error-free manner possible, larger components of the program can be evaluated by means of integration testing.

Unit testing was done during development phase for each django App.

Since unit testing is already done,We are testing our application based on Functional Requirements specified in System Requirements Specification doc.

1. Event Creation Testing:

Input: Legit data for event creation like event id,club id, etc..

Expected Output: New entry in database and Changes occurred in News Feed and Club page.

2. Uploading a book in Book Exchange App

Input: Book Name and Subject

Expected Output: New Entry in Database.

3.Sign Up Feature

Input : Legit Data

Expected Output: New Entry In the Database and Check whether new user is able to login.

<was done during development>

<for each functional requirement>

.< Any bugs? >

1. **Integration testing**

<define integration testing>

<bottom up integration testing is what we’ll do>

<define bottom up integration testing>

<how we’re following bottom up:

For each app:

For each view in the app, we test and see if it is functioning properly with the whole app

<Then we test if the apps are functioning properly across each other>

<show test of 3-4 views>

<show 1-2 tests of integration across apps>