- ## Test plan Scope

  At a high level, this System Test intends to prove that :-

  - The functionality, delivered by the development team, is as specified by the SRS.
  - The software is of high quality; the software will provide the intended functionalities and achieves the standards required for acceptance of the system.
  - The software delivered interfaces correctly with existing technologies.

- ## Testing scope

  Outlined below are the main test types that will be performed for this release. All system test plans and conditions will be developed from the functional specification and the requirements catalogue.

  - **Functional Testing**

    The objective of this test is to ensure that each element of the system meets the functional requirements as outlined in the :

    - SRS
    - Design Specification
    - Other functional documents produced during the course of the project.

    This stage will also include **Verification** and **Validation Testing** - which is intensive testing of the user inputs if the input provided by user is valid for a particular field and verification testing makes sure the system is as per the defined documents

    The third stage includes **Specific Functional testing** - these are low-level tests which aim to test the individual processes and data flows.

  - **Integration Testing**

    This test proves that all areas of the system interface with each other correctly and that there are no gaps in the data flow. Final Integration Test proves that system works as integrated unit when all the fixes are complete.

  - **Performance Testing**

    These tests ensure that the system provides acceptable response times (which should not exceed _ seconds).

- **Bash & Multi-User Testing**

  Multi-user testing will attempt to prove that it is possible for an acceptable number of users to work with the system at the same time. The object of Bash testing is an ad-hoc attempt to break the system.

- **Acceptance Test**

  This test, which is planned and executed to ensures that the system operates in the manner expected, and any supporting material such as procedures, forms etc. are accurate and suitable for the purpose intended. It is high level testing, ensuring that there are no gaps in functionality.

## • Features to be tested

a. The Articles are being fetched from the intended sources
b. the articles are properly indexed and stored in the database
c. the articles displayed are according to user interest
d. the user is able to access/modify his account
e. the user can search for other users
f. the user can search for articles in the database
g. the user can add other users to his graph
h. the user is able to suggest an article and block a user
i. the admin is able to perform different functionalities assigned to him
j.

## • Features not to be tested

a. the articles suggested to the user by the system are relevant
b. the content of article displayed to user is explanatory
c. the relevancy of the article search result

## ● System Test Entrance/Exit Criteria

**Entrance Criteria**

The Entrance Criteria specified by the system test controller, should be fulfilled before System Test can commence. In the event, that any criterion has not been achieved, the System Test may commence if development team is in full agreement that the risk is manageable.

- All developed code must be unit tested. Unit and Link Testing must be completed.
- System Test plans must be prepared.
- All human resources must be assigned and in place.
- All test hardware and environments must be in place, and free for System test use.

- The Acceptance Tests must be completed, with a pass rate of not less than 80%.

**Exit Criteria**

The Exit Criteria detailed below must be achieved before system can be recommended for promotion to Operations Acceptance status.

All High Priority errors from System Test must be fixed and tested

If any medium or low-priority errors are outstanding - the implementation risk must be signed off as acceptable risk.

Project Integration Test must be signed off.

Acceptance Test must be signed off .

- **Suspension criteria and resumption requirements**

**Suspension Criteria**

In the event that testing detects problem with one of the basic/important functionalities of the system the testing will be suspended

**Resumption Criteria**

In the event that system testing is suspended resumption criteria will be specified and testing will not re-commence until the software reaches these criteria.

- **Test deliverables**
- **Testing tasks**
- **Environmental needs**
- **Responsibilities**
- **Schedule**
- **Risks and contingencies**
- **Approvals**