
Software Requirements Specification

for

NU-BigEye

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

The purpose of this website is to act as a social media, social news aggregation, and discussion forum connecting students and faculty and also to offer professional help to students from the faculty and alumni.

1.2 Document Conventions

The conventions applied in the SRS document are as follows:

Main Heading - Font(Arial) and Size 32.

Sub-headings - Font(Arial) and Size 18.

Text - Font(Arial) and Size 12.

1.3 Intended Audience and Reading Suggestions

This website is intended for use by students belonging to the University, the faculty and the alumni.

1.4 Product Scope

Though presently the scope is limited to Niit University, it can be extended to other universities depending upon the response to the website. If favorable, the changes required for extending the scope are quite minimal.

1.5 References

ieeexplore.ieee.org/iel4/5841/15571/00720574.pdf

<https://redmine.studenti.famnit.upr.si/.../IEEE%20Standard%20SRS%20Template.doc>

www.cse.msu.edu/~cse870/IEEEExplore-SRS-template.pdf

2. Overall Description

2.1 Product Perspective

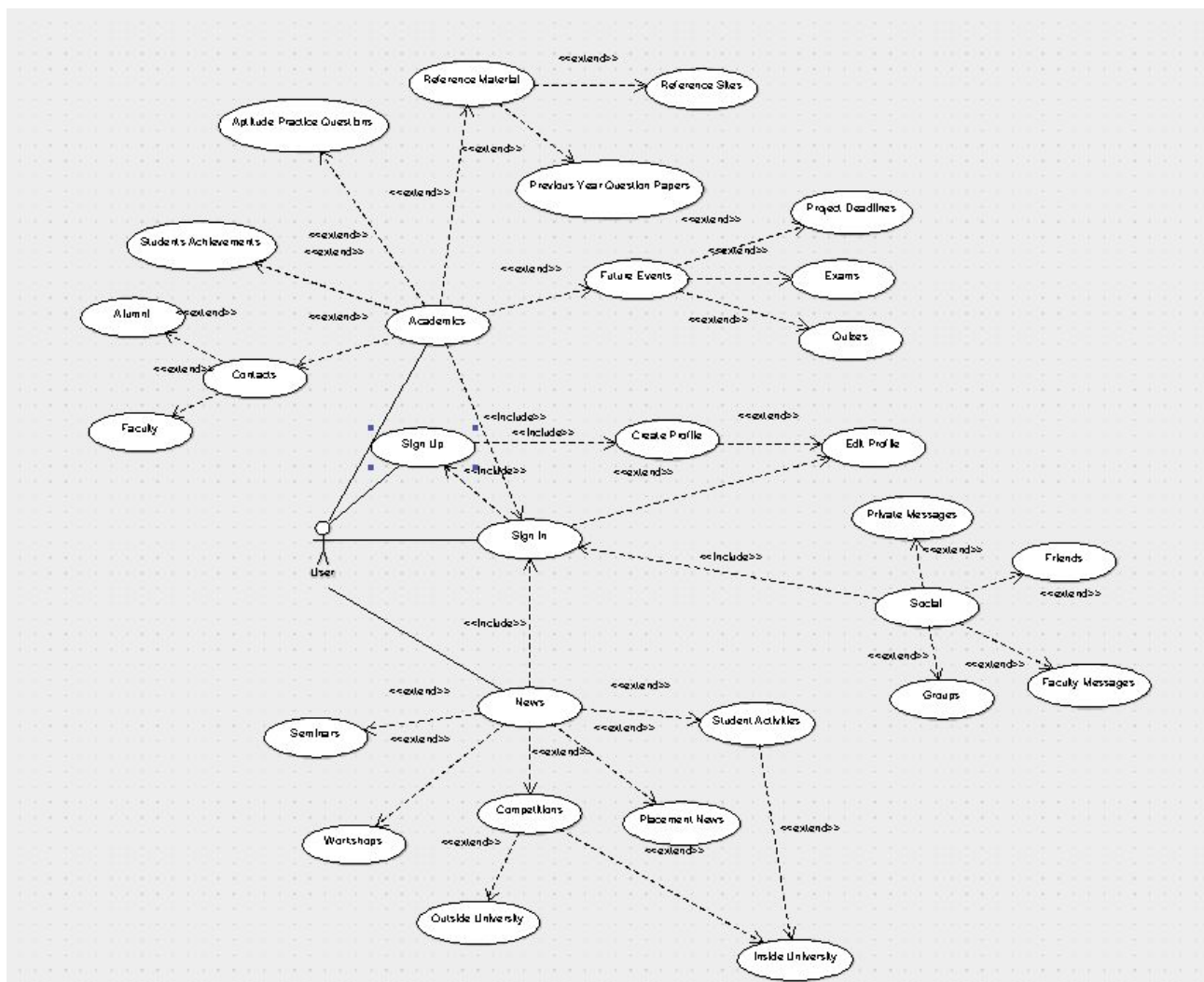
NU-BigEye is a self-contained product being created with the intention of simplifying lives of students by using one single platform for any and all of their needs not being fulfilled by the current systems. By the addition of discussion forums, special pages dedicated to campus news, and professional guidance NU-BigEye makes sure that no student is left behind.

2.2 Product Functions

The basic outline of features included in the website are:

- Placement News
- Previous Year Question Papers
- Discussion Forums
- Alumni Contact
- Aptitude Challenging Practice Questions
- Campus News
- Awareness about Competitions

2.3 User Classes and Characteristics



Sno.	Use Case	Use Case ID
1	Sign Up	UC1
2	Sign In	UC2
3	Create Profile	UC3
4	Edit Profile	UC4
5	Academics	UC5
6	Student Achievements	UC6
7	Contacts	UC7
8	Alumni	UC8
9	Faculty	UC9
10	Aptitude Practice	UC10
11	Reference Material	UC11
12	Reference Sites	UC12
13	Previous Year Question Papers	UC13
14	Future Events	UC14
15	Project Deadlines	UC15
16	Exams	UC16
17	Quizzes	UC17
18	Social	UC18
19	Private Messages	UC19
20	Friends	UC20
21	Faculty Messages	UC21
22	Groups	UC22
23	News	UC23
24	Seminars	UC24
25	Workshops	UC25
26	Placement News	UC26
27	Competitions	UC27
28	Competitions Inside University	UC28
29	Competitions Outside University	UC29
30	Student Activities	UC30

2.4 Operating Environment

As NU-BigEye is a website, it is inherently cross-platform. We intend to develop it on platforms like PHP, Python, NodeJS.

2.5 User Documentation

Designed for use by anyone, NU-BigEye is easy to use and thus requires no notable user documentation.

2.6 Assumptions and Dependencies

- *Especially during exam times, it is very easy to feel lost about the reference materials, and end up going to several websites losing a lot of precious preparation time. Providing these reference materials on the site counters this.*
- *Many students often find it hard to choose a career path and thus are unable to prepare in the proper way. Providing contact with the alumni counters this.*
- *More often than not, the information discussed in the lectures is lost in classrooms. Providing discussion forums counters this by allowing people to share notes and discuss concepts in depth.*
- *Often times important news about Competitions and other important events gets lost in mails and facebook feeds. With dedicated pages for events like these, this problem is countered.*

3. External Interface Requirements

3.1 User Interfaces

3.2 Hardware Interfaces

Because of NU-BigEye being a website, we do not require any explicit control interactions between it and the hardware.

3.3 Software Interfaces

For the front-end we will be using HTML, CSS-5 and javascript. For the back-end development we will use PHP, Python, and NodeJS. For the database development we will be using MySQL.

4. System Features

- All the requirements of students are fulfilled.
- Easy access to previous year question papers result in lesser frustration during times of need.
- Students are allowed to enter the mindset of the professional through the shared experience from the alumni and the faculty.
- Easy and frequent updates result in students being aware about the ins and outs of the University.

4.1 Alumni System

Through contact with their seniors, students get to enter the mindset of what the industry wants from them, explained in a much casual form for easy understanding.

4.2 Previous Year Question Papers

Asking faculty for submitting the solved question papers, once exams are over will result in a healthy database of question papers for students to solve.

Sno.	Service	Constraints
CI1	Sign Up	Compulsary
CI2	Sign In	Compulsary
CI3	Create Profile	Compulsary
CI4	Edit Profile	Not Compulsary
CI5	Contacts	Compulsary
CI6	Aptitude Test	Compulsary
CI7	Previous Year Question Papers	Compulsary
CI8	Future Events	Compulsary
CI9	Private Messages	Not Compulsary
CI10	Friends	Not Compulsary
CI11	Groups	Not Compulsary
CI12	Seminars	Compulsary
CI13	Workshops	Compulsary
CI14	Placement News	Compulsary
CI15	Competitions	Compulsary
CI16	Student Activities	Compulsary

5. Other Nonfunctional Requirements

5.1 Performance Requirements

Web sites are never much taxing on the system. An average PC should be able to handle it successfully.

5.2 Safety Requirements

For safety purposes each user will be allocated an alphanumeric id and password. Also for content protection there will be the addition of profanity filters, and 2-way encryption for messaging.