
Software Requirements Specifications for NU-BigEye

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NIIT UNIVERSITY

21 SEPTEMBER 2016

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

SRS document lays out the requirement whether functional or non functional and may include a set of use cases. BigEye is a social news aggregation and discussion website. BigEye's registered community members can submit content such as text posts or direct links.

1.2 Document Conventions

Font that is used for the heading, sub heading and the paragraph is Arial. Size for heading, subheading and the paragraph is 18, 14 and 11 respectively. No special cases have been highlighted.

1.3 Intended Audience and Reading Suggestions

This document is intended for the students, the staff and the alumni of NIIT University. It will provide the information regarding the activities going on inside as well as outside the campus which are beneficial for the students.

1.4 Product Scope

BigEye is a social news aggregation and discussion website. Its purpose is to provide information regarding student achievements and would guide the students on the pathway to their mission. It will also provide the students with the previous year question papers, placement news, alumni contact, alumni challenging practice papers and discussion forums.

1.5 References

This has been referred from IEEE Std-830 1998 IEEE recommended practice for SRS.

2. Overall Description

2.1 Product Perspective

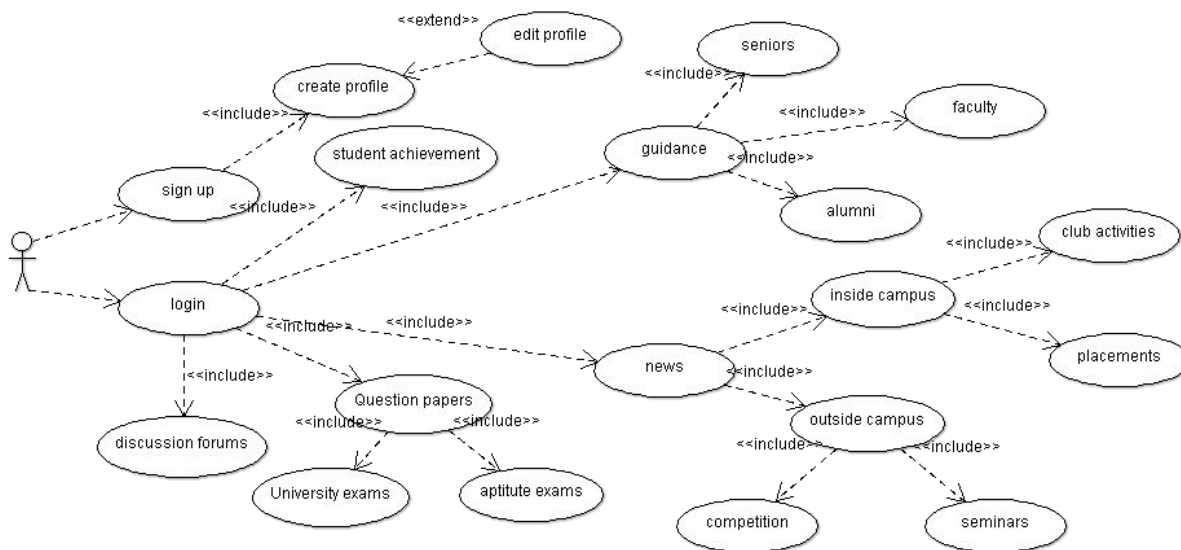
Our website BigEye aims at merging all the events and the information that are provided on different portals that bother the students, staff and the faculty so they don't have to hustle around. The updates regarding all the activities of all the events and the clubs, the information regarding the placements cell and the updates on students entertainment and the topics of discussions will be covered.

2.2 Product Functions

The functions that we are focusing on are:

1. Student's achievements and guidance: The information about the achievements of students will be provided like their startups and successful projects. The competitions they have won outside the college and their experiences.
2. Previous year's, Aptitude challenging question papers: Recent question papers will be uploaded by the faculty as soon as possible.
3. Student activities: The information regarding the sports activities, club activities and events happening inside or around the campus will be provided by the respective club leaders.
4. Placement news: The information regarding the companies visiting and every required information related to the placement, the number of students placed and the stipend will be provided.
5. Discussion forums: It will be known for its open nature and diverse user community that generate its content. It's demographics will allow wide range of subject areas.
6. Alumni contact: The alumni can stay in touch with the students through this portal and provide them with the information and the experience and the expectations of the companies.

2.3 User Classes and Characteristics



<u>S.No</u>	USE CASE	USE CASE ID
1.	Sign Up	UC1
2.	Login	UC2
3.	Create Profile	UC3
4.	Edit Profile	UC4
5.	Student Achievement	UC5
6.	Guidance	UC6
7.	Senior	UC7
8.	Faculty	UC8
9.	Alumni	UC9
10.	Discussion Forms	UC10
11.	Question Papers	UC11
12.	University Exams	UC12
13.	Aptitude Exams	UC13
14.	News	UC14
15.	Inside Campus	UC15
16.	Outside Campus	UC16
17.	Club Activities	UC17
18.	Placements	UC18
19.	Competition	UC19
20.	Seminars	UC20

2.4 Operating Environment

It is a cross operating system and will support and will run on any OS. We are going to use php, python and nodejs.

2.5 Design and Implementation Constraints

The security issue could be a problem as it will act as the backbone of NIIT University and students will rely on this as seen from the survey.

2.6 User Documentation

Interface is user friendly and hence, user guide and tutorials will not be added for the user.

2.7 Assumptions and Dependencies

This website will be very useful for those who are unaware of the events happening around them ,on the campus and are curious to know about and participate in such events. This website will definitely prove beneficial for the students who find it hard to prepare for the exams as practice papers will also be available on this website.

3. External Interface Requirements

3.1 User Interfaces

The event details will be sorted in the order to which they belong and then will be presented on the page. No screenshots of the website is available for now.

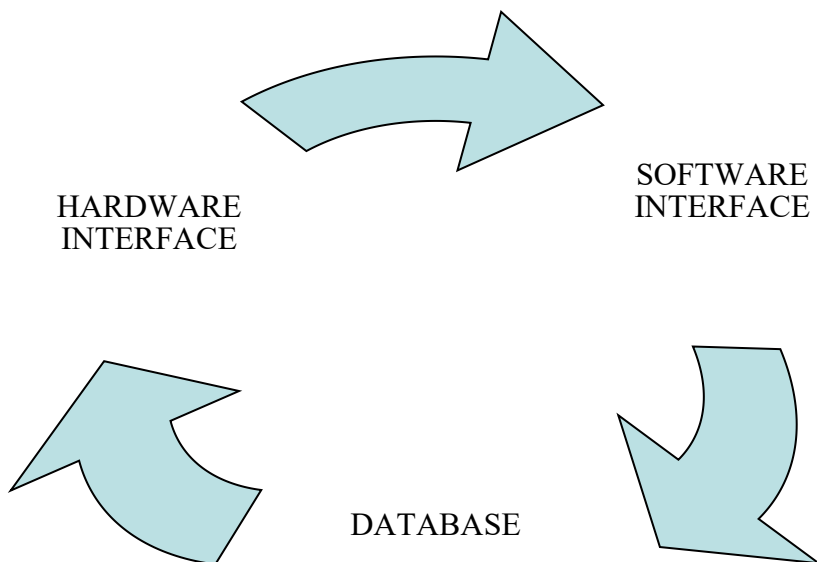
3.2 Hardware Interfaces

This website will support any hardware device which has an internet access and supports the browser option.

3.3 Software Interfaces

For front-end development we are going to use HTML, CSS-5 and javascript. For back end, php, nodejs or python will be used. Data implementation will be done using MySQL.

3.4 Communications Interfaces



4. System Features

4.1 Previous year question papers and aptitude papers:

We think that BigEye will be a great relief to all the people who reside here at NIIT Unversity.

We will try to make the system in such a manner that whenever the exam gets over, the faculty of the respected subject will upload the question papers which can be viewed later by everybody.

4.1.3 Functional Requirements

ID	SERVICE	CONSTRAINTS
CI1	Login	Compulsory
CI2	Signup	Compulsory
CI3	Create Profile	Compulsory
CI4	Edit Profile	Not Compulsory
CI5	Student Achievement	Not Compulsory
CI6	Guidance	Compulsory
CI7	Senior	Not Compulsory
CI8	Faculty	Not Compulsory
CI9	Alumni	Not Compulsory
CI10	Discussion Forms	Compulsory
CI11	Question Papers	Compulsory
CI12	University Exams	Not Compulsory
CI14	Aptitude Exams	Not Compulsory
CI15	News	Compulsory
CI16	Outside Campus	Not Compulsory
CI17	Club Activities	Not Compulsory
CI18	Placements	Not Compulsory
CI19	Competitions	Not Compulsory
CI20	Seminars	Not Compulsory

5. Other Nonfunctional Requirements

5.1 Performance Requirements

BigEye will perform well on all the platforms like Windows, iOS, Linux, Ubuntu and all the average modern day PC's with dual core processors and 512mb ram.

5.2 Safety Requirements

Individual login id and password will be assigned to the users for security reasons along with various content filters for suitable sharing of information.