**Software Requirements Specification (SRS)**

Project Name : Alumni Management System

Document Title : SRS-AMS

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**1. Introduction**

A software requirements specification (SRS) is a document that describes what the software will do and how it will be expected to perform. It also describes the functionality the product needs to fulfill all stakeholders (business, users) needs. The detailed requirements of the University Alumni Management System is provided in this document.

**1.1** Purpose: **-**The purpose of this document is to show the requirements for the University Alumni Management System, which helps the college or university to keep track of the alumni students, by doing this it will help the students who are currently in that college or university to know about the job applications in the same field and to know about the technology which is in trend. This portal helps to connect students to alumni and help to build their career.

**1.2** Intended **Audience: -**This document is intended to be read by, Client.

**1.3** Intended **Use: -**

* Development Team
* Maintenance Team
* Client

**1.4** Scope**: -**This project aims to create the development of a University Alumni Management application in which administrators, students and alumni will be able to continuously communicate with each other. This provides access to the student to access alumni information and posts, which will help students in their career.

**2. Overall Description: -**

It is a University Alumni Management portal which consists of three modules such as Admin, Student and Alumni. The Alumni can register the portal using the details like

University Register number, Name, Current Designation and Department, domain he is working on, Years of Experience and salary. After Registered on that portal, he can login using the Register no and password and post the available new job updates, technical advice and materials so that the students can know about the jobs related to their field and can easily access it. The Alumni can also modify, delete, view his Present Information like company name, designation, salary, domain, location. The student can also Register in the portal by entering the Registration number, if he is registered, he can view the all the details of alumni’s and the post that alumni had posted. The student can update his own details like telephone number, email id in the Student Database. If he enters his department, he can view the details of alumni’s working in that only not in any other department. If he selects the option called current job offers a list of job offers will get displayed to the student and student can access it. Admin can login to the portal using a password and he can add, modify, delete and view the Records in both the Alumni and Student Database.CSE, EEE, ECE, MECH, CIVIL department  students who have not placed in a company so that the Admin can enter the department and see which a student and alumni belongs to that department so he can  arrange a connect with Students and Alumni in the same department and also Admin will generate a list of all scheduled connects and all connects which already carried out, once the connect is over the record will get deleted from the file.

**2.1 Assumptions and Dependency: -**

* System should have Ubuntu Linux installed.
* ·     System should have either 4GB or more RAM.
* The service is used preferably on a desktop or laptop.

**3.System Features and Requirements: -**

**3.1 Functionality: -**

**3.1.1 Alumni Module:** An Alumni can first register by entering his personal and     professional details, once registered the alumni can login to his page and post the job-related contents for the other users to see.

**3.1.1.1 alumni\_get\_data () ->** It will register the new alumni using a unique university registration number. Alumni can enter the details like name, address, telephone no., email id, department, company, years of experience and the salary

**3.1.1.2 Alumni\_Login () -> After** Registration is doneAlumni can enter the username and password to login to the Alumni portal.

**3.1.1.3 Edit\_details () ->** After entering username and password, alumni can update their details like salary, designation, technology, company, location, years of experience.

**3.1.1.4 Create\_posts () ->** After login, alumni can create the Job post /Materials/Information.

**3.1.1.5 view\_posts () ->** Alumni can view the post for job profile, technical advice/materials.

**3.1.1.6 view\_Profile () ->** Alumni can view their profile through this function.

**3.1.2 Student Module:** A student can register into the portal. If the student already has his login credentials then he can go into the portal and view all the information posted by alumni like job updates/technical advice/materials. Also can view their own department alumni details. Students can also edit their information like telephone number, email and Address.

**3.1.2.1student\_get\_data ()**: function will register the new student into the portal by his unique university register number. This function creates a new entry of student.

**3.1.2.2 Student\_Login ()**: If a student has already registered into the portal, they can login into the portal by giving their credentials like register number and password.

**3.1.2.3 view\_profile ()**: After the login is successful, the student can view his/her profile. They can also view all the information posted by alumni like job updates/technical advice/materials.

**3.1.2.4 Edit\_Info ()**: Students can also edit and update their details in the student database like telephone number, email id, Address etc. This function does not ask new details for all fields but the user should be able to pick and choose what he want to update.

**3.1.2.5 View\_Alumni\_Details ()**: Students can view the details of alumni.

**3.1.2.6 Job\_posts ()**: Students can also see the current job offers, a list of which will be displayed.provide an exact job location to optimize your job posting so it appears higher in job search results.

**3.1.2.7 ask\_for\_Connect ()**: Students can ask for a connect with alumni using this function. Students can access all the information posted by alumni like job updates/technical advice/Study materials.

**3.1.3 Admin Module**: The admin is the one who looks after all the changes and developments takes place. Admin can login using a password and can modify, delete, view records of Alumni database and as well as student database too and prepare the Report of non-placed students. Additionally, admin has the ability to view the alumni and student’s respective department. The operations that are available in admin module are:

**3.1.3.1. Edit\_Alumni ():**By providing the password, the admin can log in and edit the alumni information.

**3.1.3.2 Delete\_Alumni\_Details ():** By providing the password, the admin can log in and delete the alumni details.

**3.1.3.3 Report\_Unplaced\_Students ():** The admin will produce a report of the pupils who have not been hired by a corporation.

**3.1.3.4 Connect\_session ():** A report of all scheduled and accomplished connects is produced by the admin.

**3.1.3.5 List\_of\_connects ():** It contains all the list of scheduled and completed connects

**3.1.3.5 Completed\_connect\_Report():** The report on the already-completed connection between students and alumni will be generated by the admin.

**3.1.3.6 Connect\_Delete ():** Once the connect is complete, the file's record of the connect will be deleted.

**3.2 System Requirements: -**

**3.2.1. Tools to be used:**

* + - * CUnit
      * Valgrind
      * GCOV
      * GPROF
      * Splint

### 3.3 System Features: -

### Supportability: The system is easy to use.

* Design Constraints: The system is built using only C language.
* Reliability & Availability**:** The system is available 24/7 that is whenever the user would like to use the system, they can use it up to its functionalities.

### Performance: The system will work on the user’s terminal.



