

CDAC JUHU PORTAL

SOFTWARE REQUIREMENT SPECIFICATION FOR

TEAM NO. 3
CDAC MUMBAI

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1. Introduction

Purpose :

CDAC portal is an interactive website in which we provide user a platform to share information between student and admin. The website is a free of cost service. The website aims to improve performance between student and admin so that student is able to view his/her performance which would help him to improve his/her skills. The website also provides feature for admin to update details according to the requirement.

Intended Audience :

The SRS for team '3' of PG-DAC (Aug-2018), is a brief on the project CDAC Juhu Portal.

- It is a document meant for the developers, coders, testers, technical writers students and admin for whom the SRS document would serve as a booklet of guidelines which talks about who does what, when, how.
- It is also a guide to the marketing staff, as to how to sell the product & to whom, etc.
- The other audience of the document would be the client or end-user, for whom the software is being developed. The document is like an overview of the project, stating the schedule & process which the developers & testers would be following in order to supply them (client) with the final successful product at the date due.

2. Overall Description

Product Perspective

The main objective is to provide complete information related to CDAC co-ordination, which will help students to get every information about CDAC as well as help the CDAC staff to manage students information and services provided. This website is designed to attend to all student needs - from getting canteen facility online, checking monthly attendance, providing study material. Portal helps us to maintain the database of various entities and the students information. It helps us to maintain the student information and also allow administration team to access the portal information.

Project Functions :

The project will consist the following functionality:

- To access the website, admin must have a valid login user id and password.
- To progress further, student needs to clear level set by the admin.
- After each level, student will be able to view his/her details.
- After each level, student will be able to view all the functions given access by the admin.

User Classes and Characteristics :

There are mainly two Users of the Product:

- Admin- Rectify and update the Site.
- Student -Users, will be able to view all updated details provided by admin. Also, student will be able to give responses over it like paying canteen bill online, changing the setting.

Operating Environment :

- The project will be deployed as a website on apache server and will be accessible to the CDAC admin's and students through http protocol.

3. External Interface Requirements

User Interfaces

- **Student:** To maintain student details.
- **CDACAdmin:** To maintains student data

Hardware Requirements :

- **RAM:**-min 512MB
- **Min Hard disk:-** 250GB
- **Web browser(** Google chrome,etc)

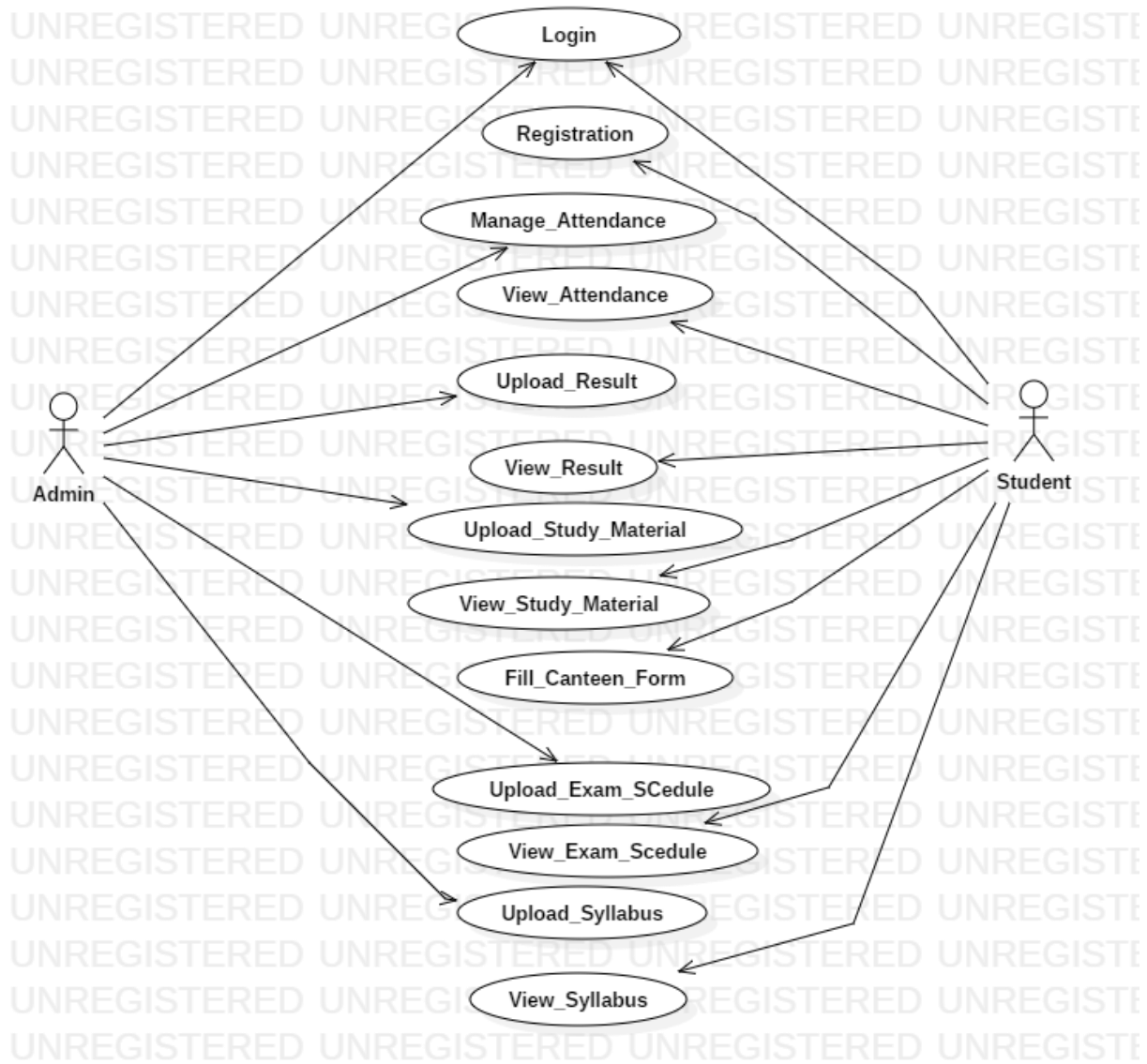
Software Requirements :

- **Operating System :** Windows
- **Integrated Development Environment(IDE):** Eclipse,XAMPP
- **Web Server :** Apache tomcat 8.0.45
- **Java Version :** jdk 1.8

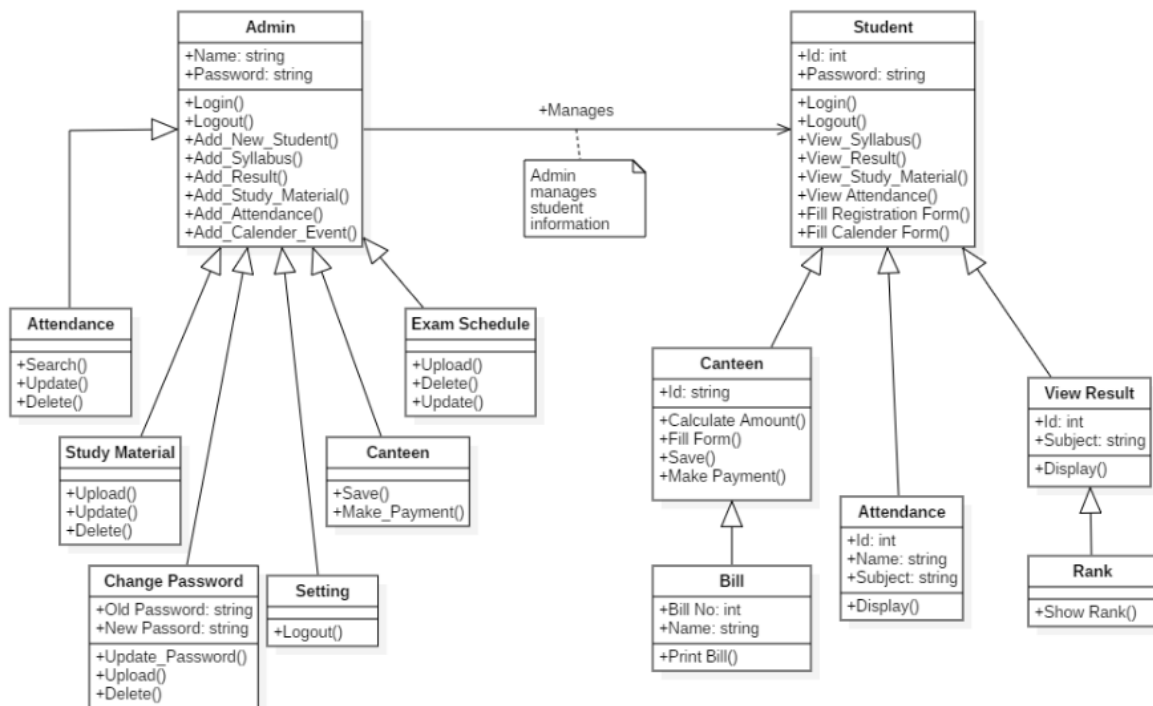
Technology

- **Frontend :** HTML, CSS, JavaScript, Bootstrap, JQuery, JSP,JSTL.
- **Backend :** J2EE, Spring 5.0.10, Hibernate 4.3.2
- **Database :** MySQL

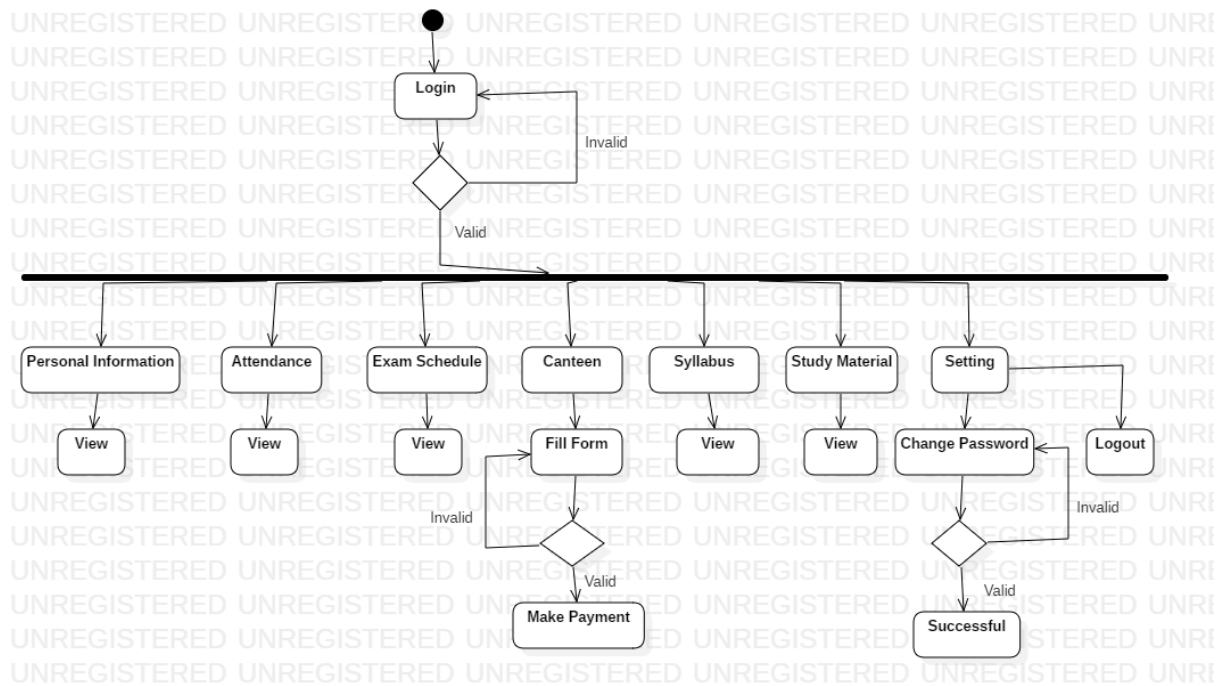
4. Use Case Diagram:



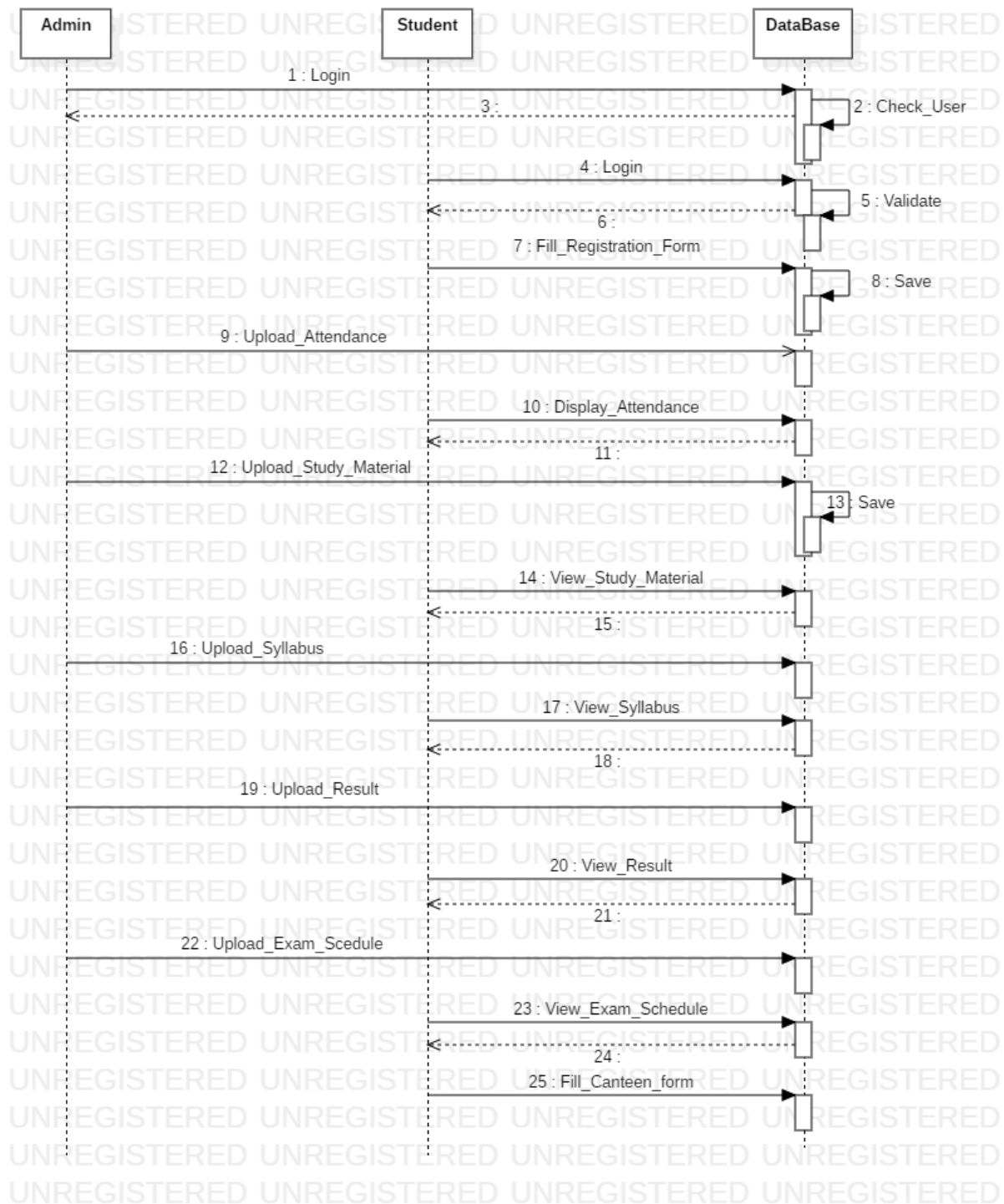
5. Class Diagram-



6. Activity Diagram



7.Sequence Diagram



8. Non Functional Requirements

Portability:

This requirement is related with the easiness of an application to be executed in different platforms. Therefore, related features are Browser installed on different operating system.

Availability:

This is related with the 24/7 availability of the website. The website should be available with less system downtime.

Efficiency:

The efficiency is associated with the application performance. Therefore, it is necessary to ask administrators values of response time, throughput, and workload expected for the application.

9. Future Scope

- Can add more features according to requirement.
- This idea can be extended for mobile based application.