
Online Leave Management System

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Objectives



LEAVE MANAGEMENT **SYSTEM**

AS EASY AS IT CAN BE

Project is aimed at developing an online application for leave management. The Leave management system is an internet-based application that can be accessed throughout the institution used for automating the workflow of leave application and their approvals.

Leave Management System

The software aims at helping the user to address issues from multi-disciplinary angles related to leave administration and management. Decrease the paperwork and enable the process with efficient, reliable record maintenance by using centralized database, thereby reducing chances of data loss

- Can easily be extended for further feature.
 - Easy on implementation
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External Entities to interact

The actors have been broadly classified into three main roles.

- Administrator
- Student (Ph.d and Normal)
- Faculty

Administrator can ..

- Choose the types of leave allowed - Sick, Annual, Family Responsibility, Maternity, Study, Unpaid, etc.
 - Choose the number of days allowed for each of the types. A default is set for all the faculty and student, but admin can also modify it per employee and students.
 - Leave can be allocated annually or monthly depending on the institute policies.
 - Choose the persons to be notified when leave requests are received.
 - Choose the approver for the leave requests.
 - Assign different roles.
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Faculty can..

- Can approve the leave of the student.
 - Can review and comment on the documents.
 - Can check the students leave history.
 - Can recommend application further in the chain and give remarks.
 - Easily apply for leave choosing the required leave type and amount of hours or days.
 - Faculty can upload supporting documentation, such as university documents or sick notes when they apply for leave.
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Student can..

- A leave summary shows the student, how many leaves are available ,how many they have taken and the status of their leave applications.
 - Easily apply for leave choosing the required leave type and amount of hours or days.
 - Student can upload supporting documentation, such as university documents or sick notes when they apply for leave.
 - The Leave Management Software is completely secure, thus student can't view each other's leave statuses.
 - Mess waiver application can also be sent to the concerned party.
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Functionalities Provided

- Email notifications to approving authority and applicants.
 - Leave records are updated automatically once applications are approved.
 - Leave records may be printed out or generated into reports.
 - Leave records may be exported to any back-end system.
 - Choose the types of leave allowed - Sick, Annual, Family Responsibility, Maternity, Study, Unpaid, etc.
 - The concerned faculty are notified on students leave.
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Overview of Features

- Login
 - User Registration
 - Recovery Of Forgotten Password
 - Profile
 - Apply For Leave
 - Approve or Reject Application
 - Notification
 - Leave History
 - Set Permissions
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Technology Stack

Database - MySql

Application Server - Nginx, Django v3.0

Open Source tools - VueJS, Ajax, Bootstrap

Operating System(Server Side) - Linux

Browser Support - Google Chrome and Mozilla Firefox

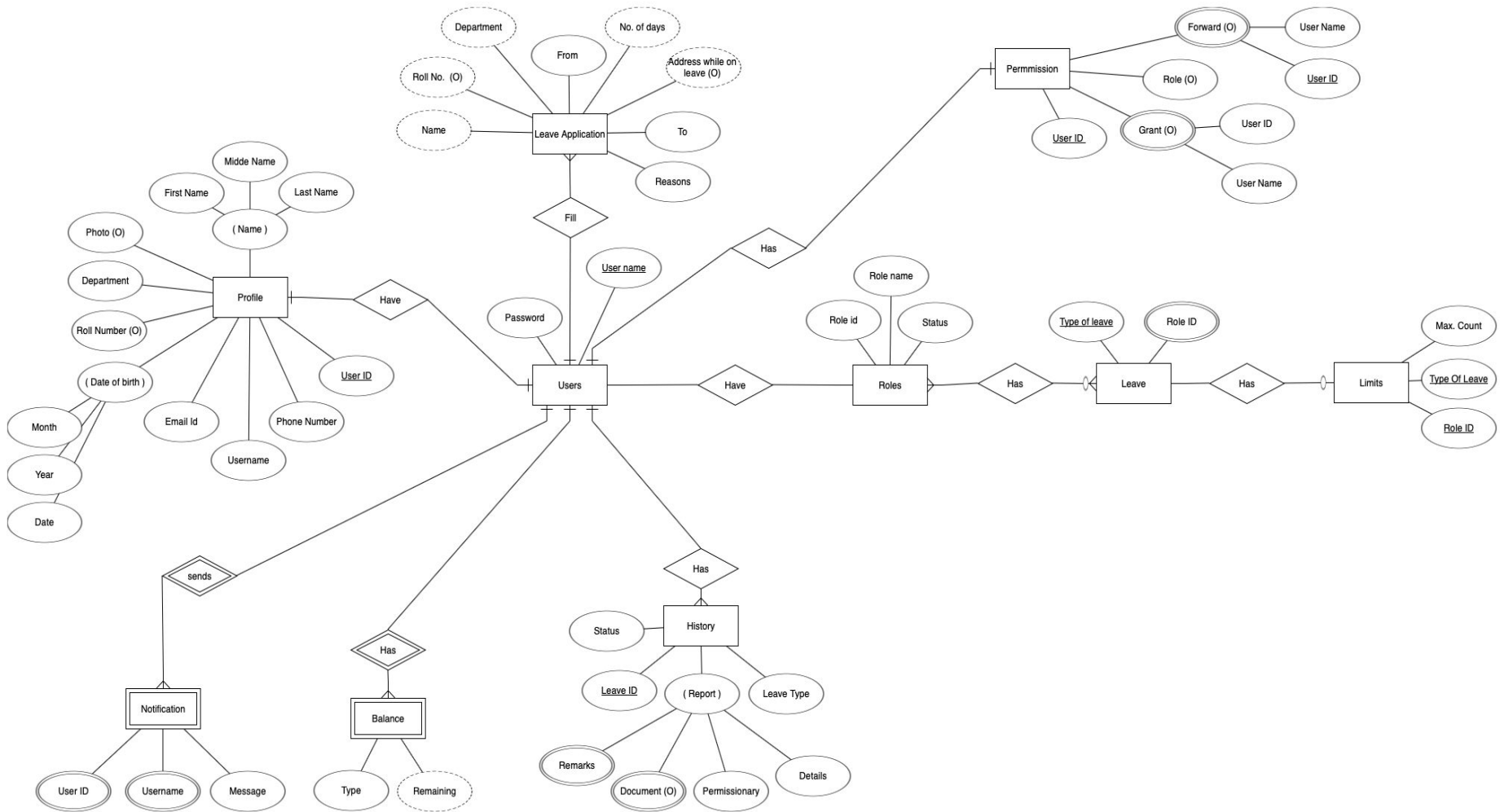
Future Goals

Develop a console for accessing the leave portal.

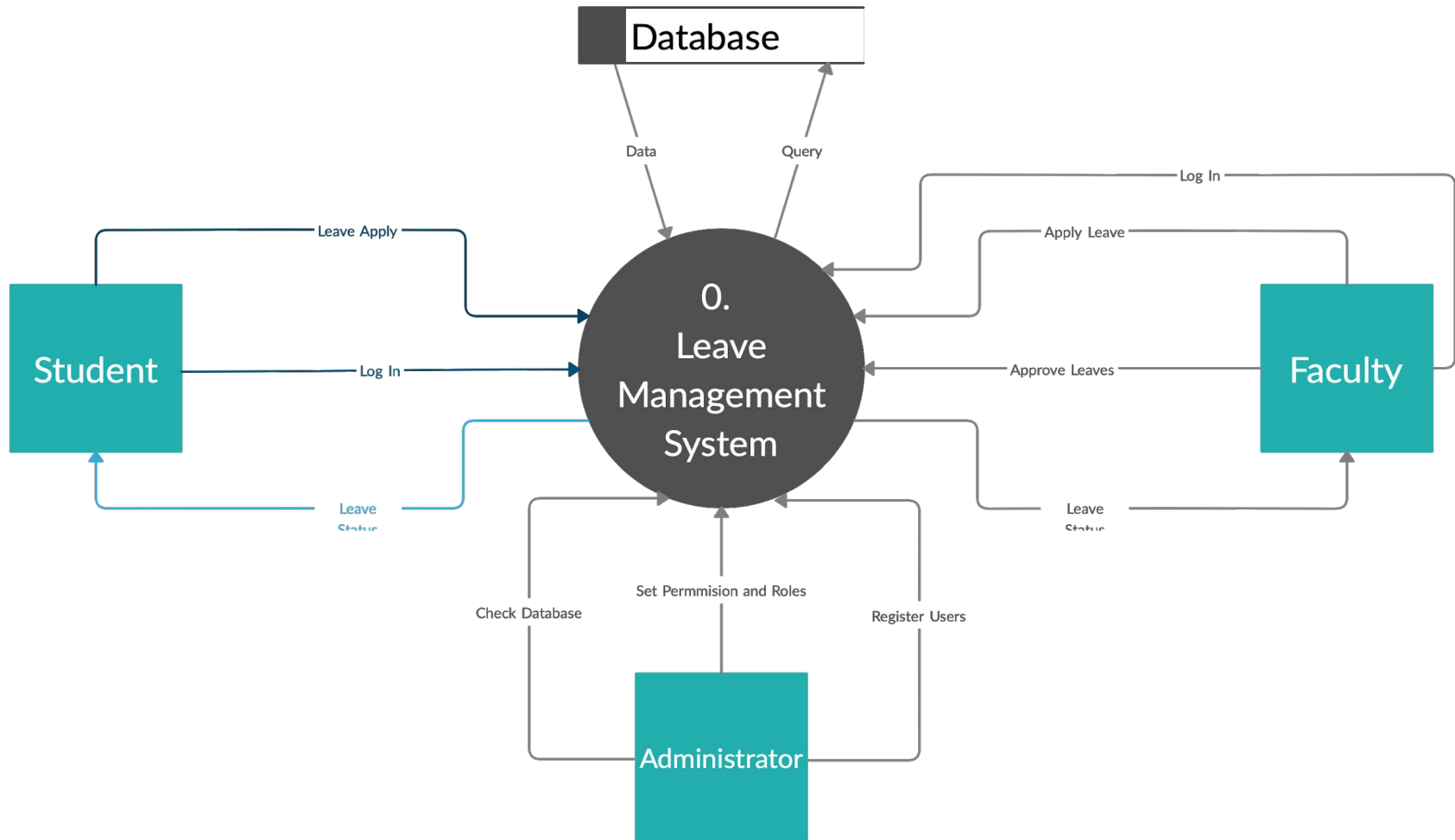
Separation of the authentication system so that it can be used be independently.

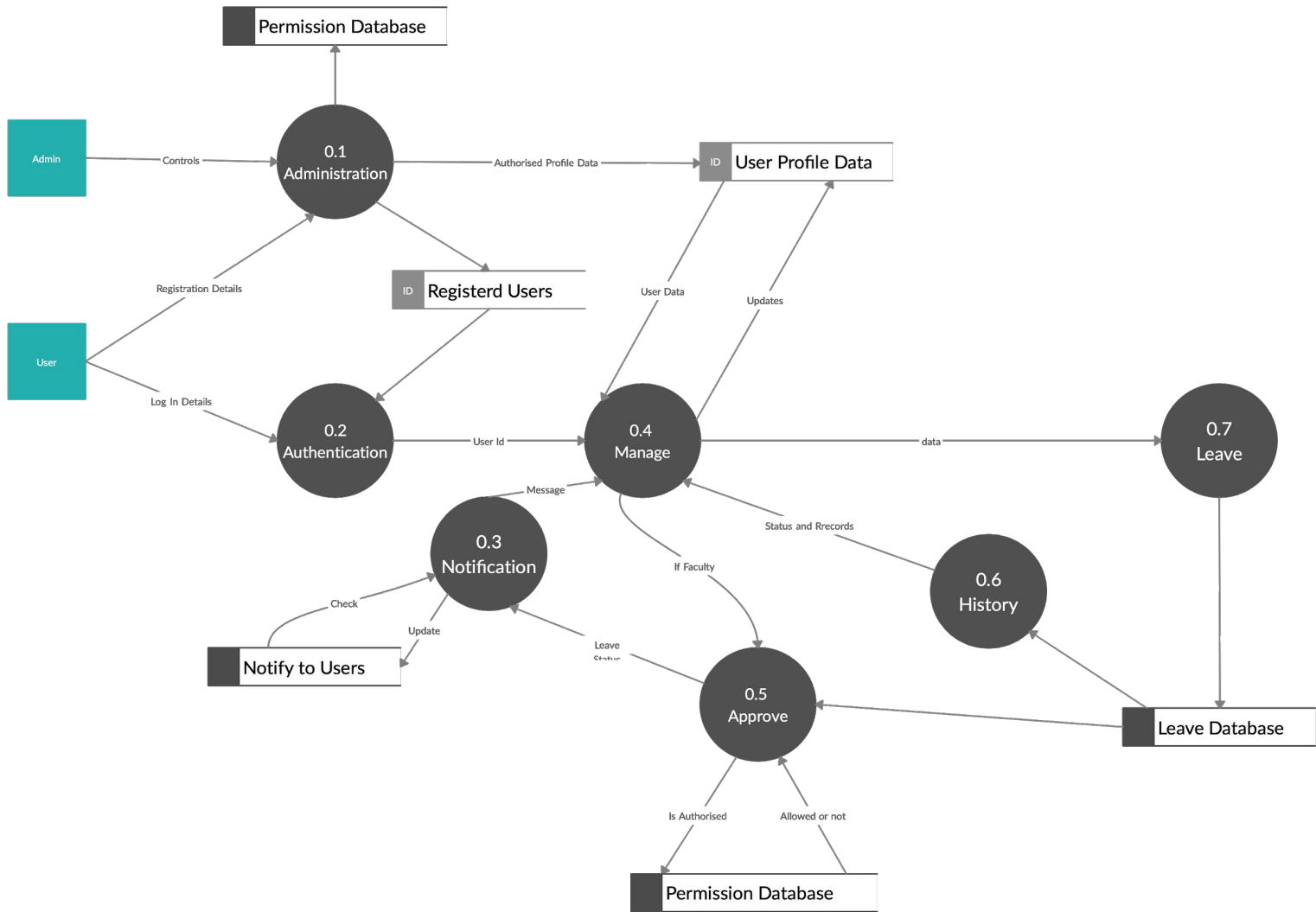
Apply state of the art technology like redis or memcache and developing the single page application to match the modern industry standard.

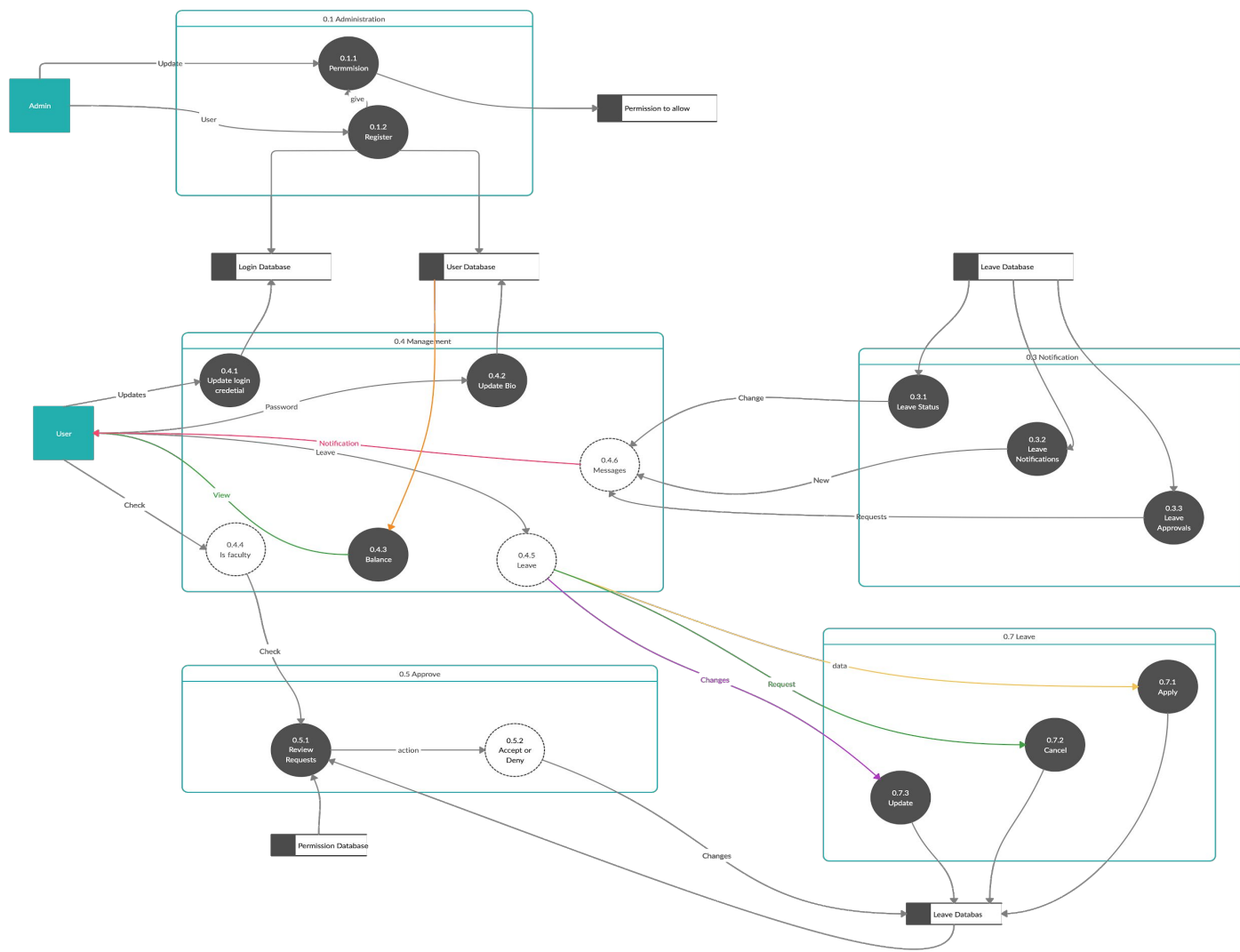
ER Diagram



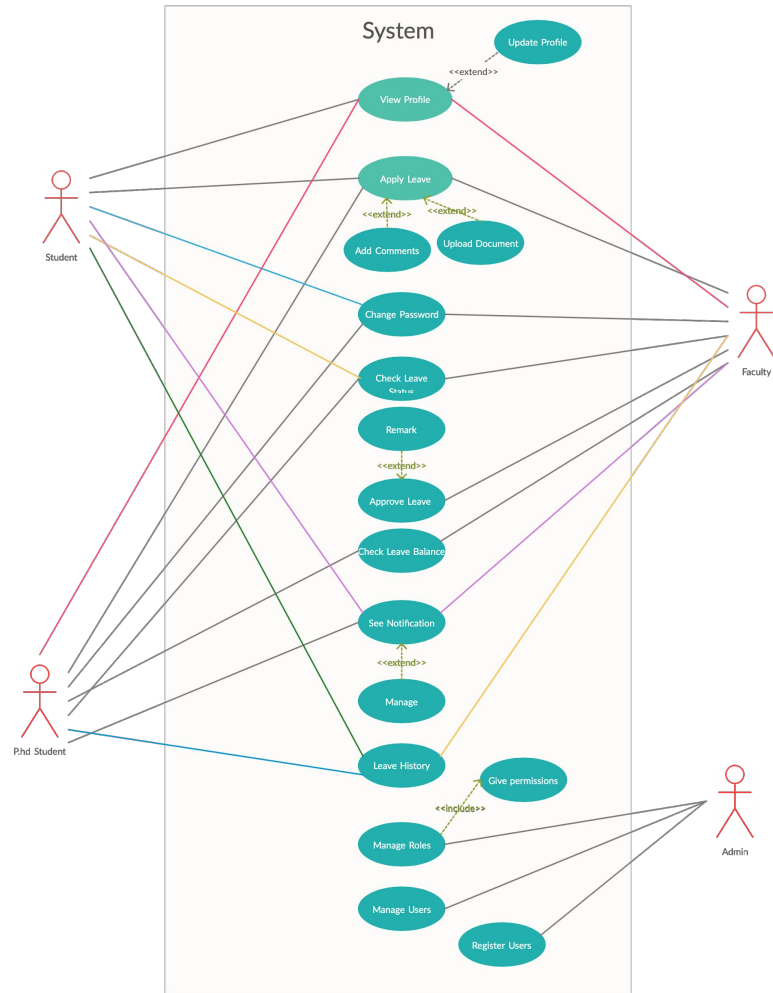
Data Flow Diagram



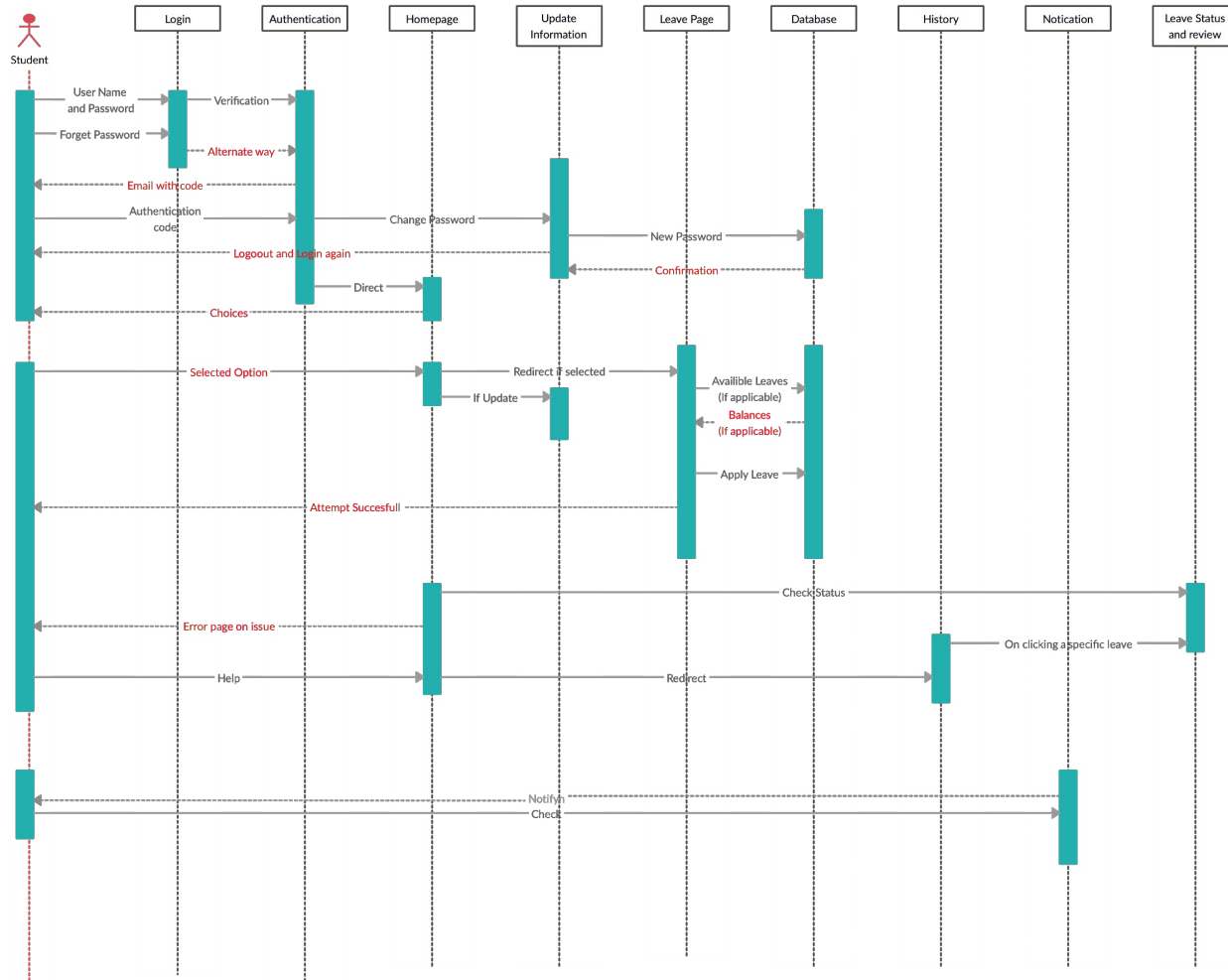


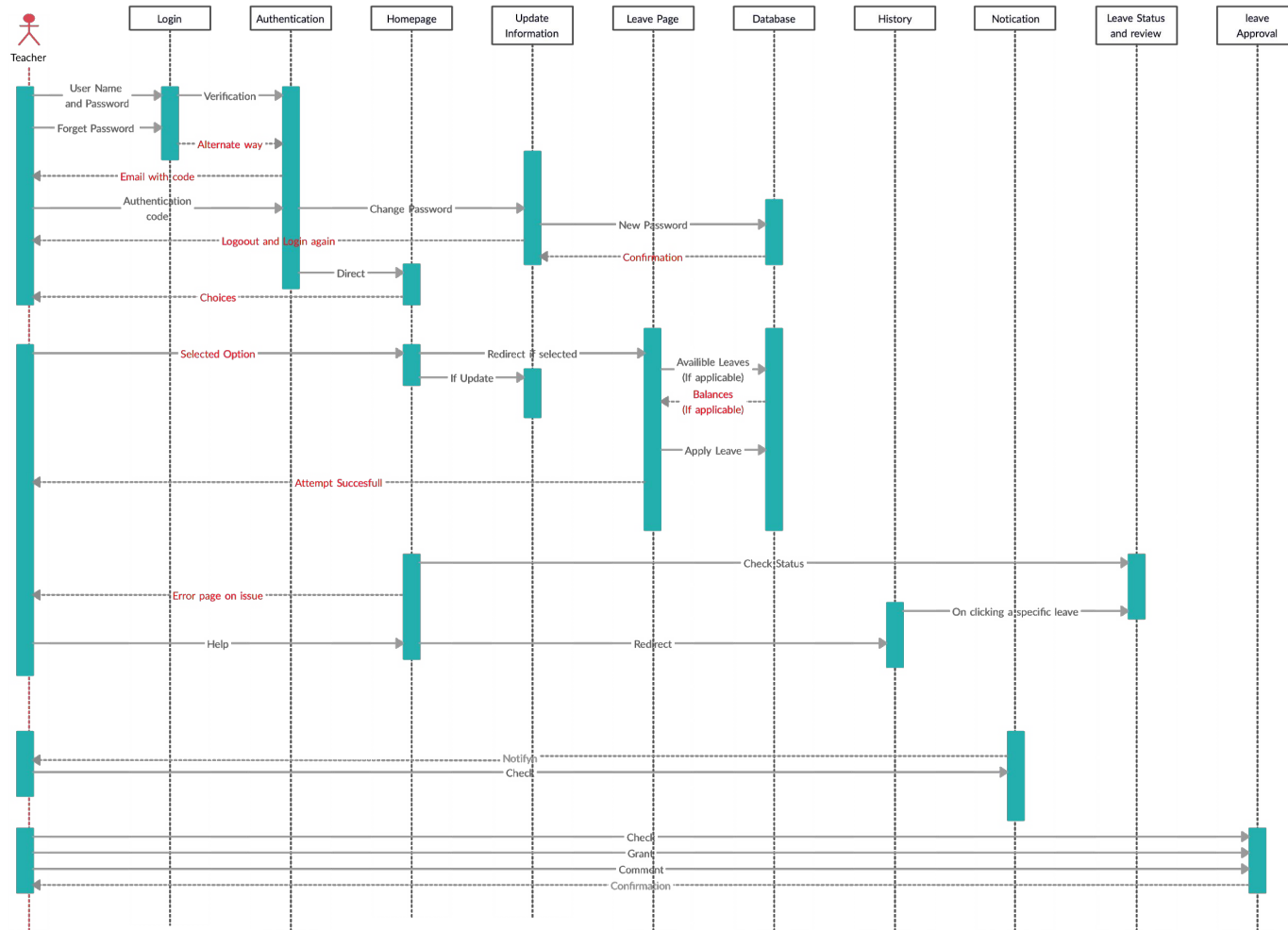


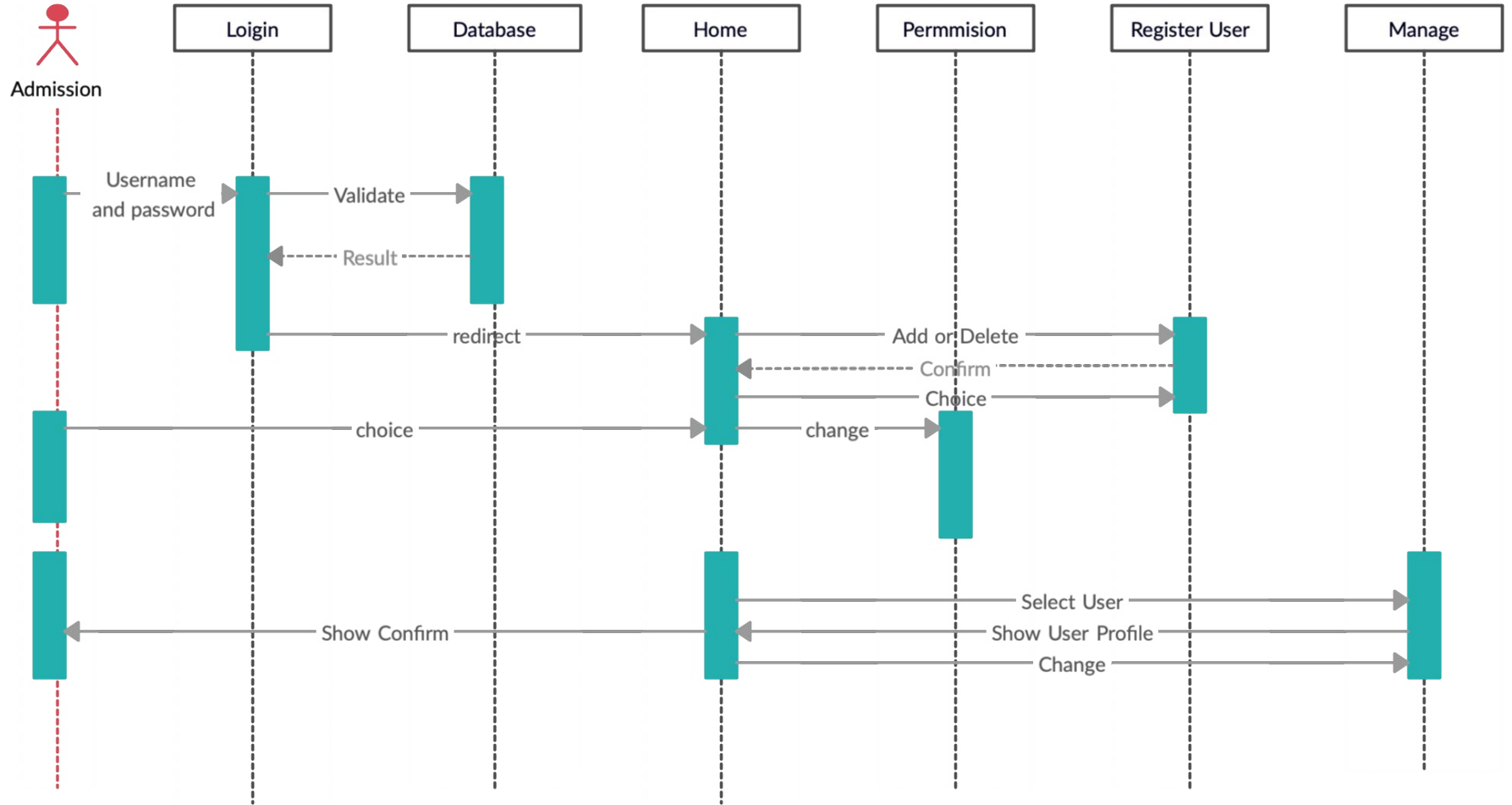
Use Case Diagram



Sequence Diagram









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Thanks



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