

INTERNAL HACKATHON @ IET DAVV INDORE

Ministry/ Organization name : Govt. of Goa

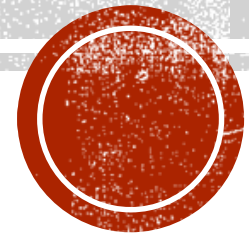
Problem Statement Number/ID : DR111

Domain Bucket : Software – Web App Development

Team Name : Keycoder2.0

Team Leader Name : Sumit Kr Singh

PS and Team Details



PROBLEM STATEMENT DESCRIPTION

- The Directorate of Higher Education has 7 Government Colleges and 26 aided colleges under it. Altogether, more than 10000 students that pass out from them every year either choose to opt for further studies, work or have their own startups. Currently, there is no mechanism for the colleges and the Directorate to keep a track of the students passing out. Hence, the problem is to develop a web based application for colleges and the Directorate to keep a track of the Alumni. The said application should have the following features:-
 - (a)allow the Alumni members to register themselves
 - (b)allow colleges to verify and authenticate their registered alumni
 - (c)provision for alumni members to update their details
 - (d)allow the colleges to search details based on criteria such as year, subject, etc.
 - (e) allow the Directorate to search details based on criteria such as colleges, year, subject, etc.
 - (f)send messages and emails to alumni members
 - (g)group chats, create events, publish notices on the portal
 - (h)Security features with login for every user.



IDEA / APPROACH DETAILS

A social network platform dedicated to alumni of the colleges under The Directorate of Higher Education, Government of Goa.

A web-based app which will use the extensible database to keep track of the alumni, their current positions and providing an interactive user-experience with all the required functionalities :

- (a) allow the Alumni members to register themselves
- (b) allow colleges to verify and authenticate their registered alumni
- (c) provision for alumni members to update their details
- (d) allow the colleges to search details based on criteria such as year, subject, etc.
- (e) allow the Directorate to search details based on criteria such as colleges, year, subject, etc.
- (f) send messages and emails to alumni members
- (g) group chats, create events, publish notices on the portal
- (h) Security features with login for every user.

All students i.e. passed out and currently studying and the colleges will be able to connect with each other and help each other in increasing the status of college.



TECHNOLOGY SELECTION

Front End

- HTML
- CSS
- JavaScript, JQuery

Back End

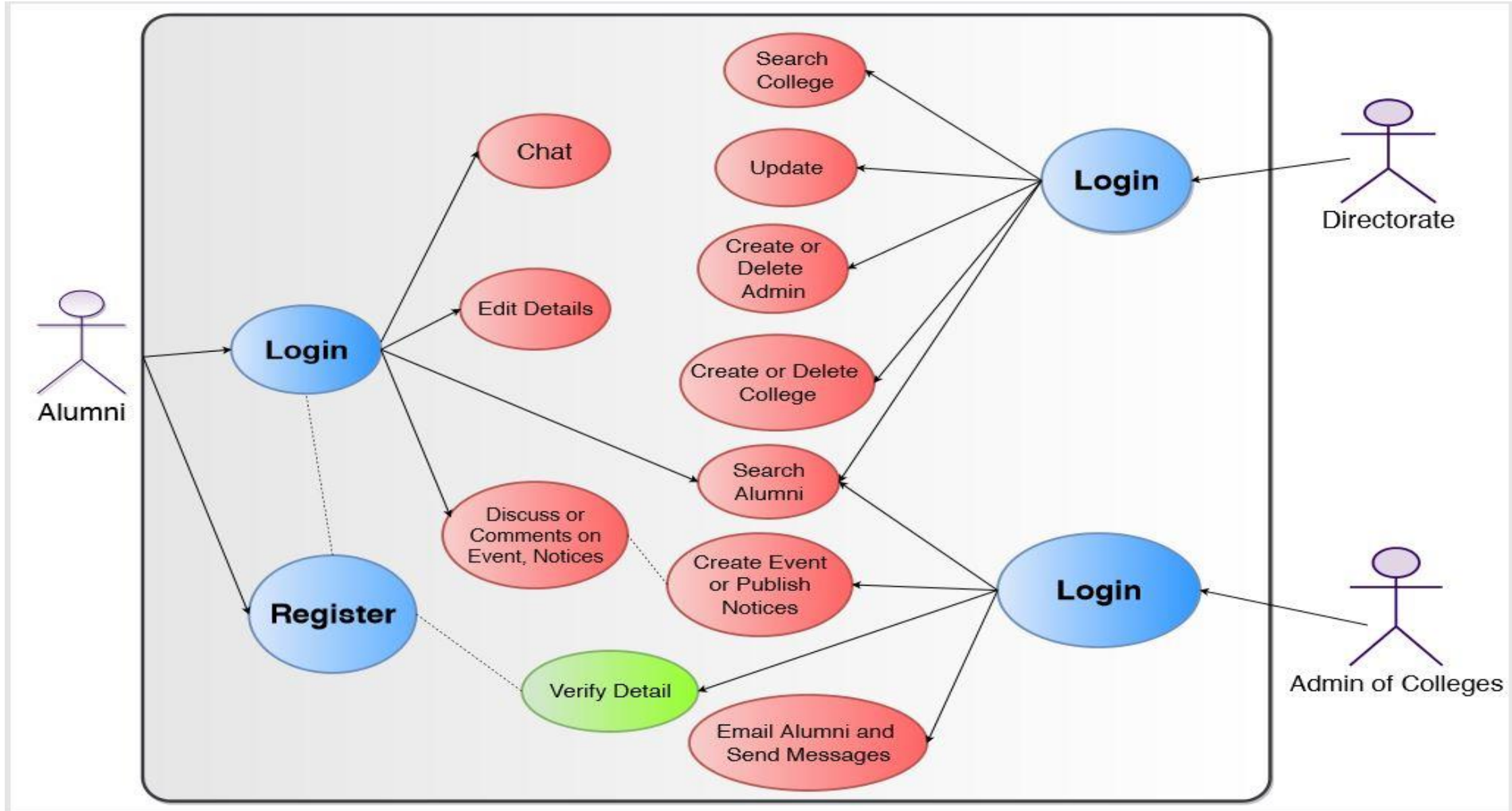
- PHP
- Code Igniter
- AJAX

Database

- MySQL



PRELIMINARY ANALYSIS AND DESIGN (USE-CASES)



PRELIMINARY ANALYSIS AND DESIGN (DEPENDENCIES)

- External APIs of *LinkedIn*, *Google* and *Facebook* for Sign In.
- Student Data of *College Alumni*(passed out students).
- Messaging API/Server
- **Email Server**
- **Web Hosting**

