STUDOCS

Under the Guidance of
prof.Keziya Babu

Presented by
Group LMNTRIX
- Aswanth K (LIDK20CS065)
- Jithin Shaji (IDK20CS037)
- Niby Vijayan (IDK20CS046)
- Sarath Krishna P S (IDK20CS054)

Dept. of Computer Science and Engineering
Government Engineering College Idukki

june 26, 2023

Outline

Introduction

Forms Management System Today

- No complete system to manage all the forms in an institution
- Lots of manual effort
- Time consuming
- Lots of paperwork

Scenario

- We have seen many students in our class write and re-write forms every day.
- These procedures take a significant amount of time and effort on the part of students and teachers.

Problem Statement

Problem Statement

To find an automated solution that can improve response time, reduce errors, and increase transparency and accountability in the processing of workflow of forms in an institution.

Objectives and Applications

Objectives

- Create forms easily and efficiently
- Generalize all forms in an institution
- Collect data efficiently and improving data accuracy
- Enhancing user experience
- Ensure security and privacy

Applications

- Request letters and other forms
- Track status of all forms
- Admissions and course registration

Literature Review

- There is limited literature available specifically on the use of forms management.

- Study published in the Journal of Educational Technology Development and Exchange found that online forms can significantly reduce the amount of time and resources required for administrative tasks in higher education.

- Formstack is a popular online forms platform that offers features for form creation, workflow automation, and data management.

- JotForm is another widely used online form builder and automation platform. It provides comprehensive form-creation tools and workflow automation features.

Literature Review (Contd.)

- In comparison to Formstack and JotForm, Studocs offers a more tailored solution specifically designed for institutions, such as colleges or educational organizations.

- Studocs emphasis on hierarchical management, institutional workflows, and integration within the institution's management system sets it apart from these existing solutions.

- By using Studocs, institutions can optimize their forms management, automate workflows, and maintain efficient hierarchical structures, leading to enhanced productivity and improved decision-making processes.

- However, it is important to consider factors such as data security and privacy, accessibility, and user experience when implementing a forms management website in a college setting.
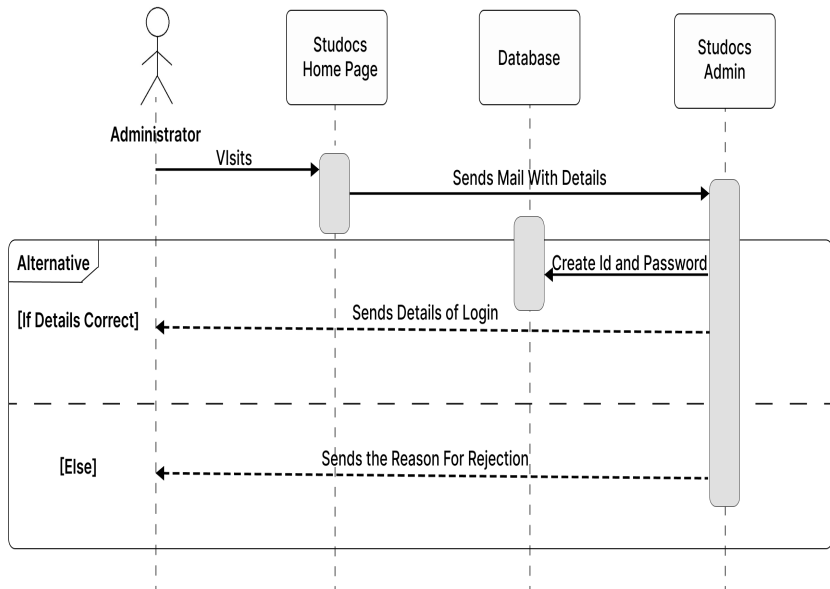
Implementation

Users

- College Administrator
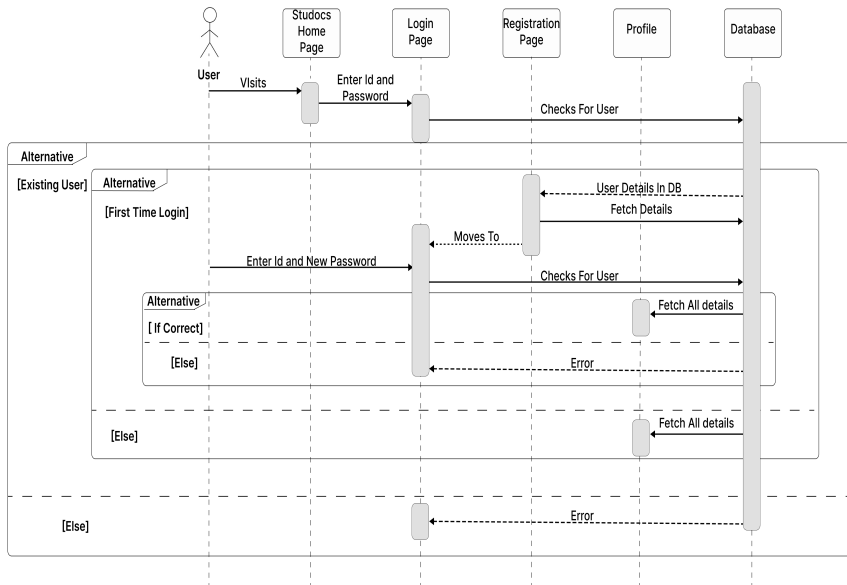- Principal
- HOD
- Tutor
- Student

Use Case Diagram
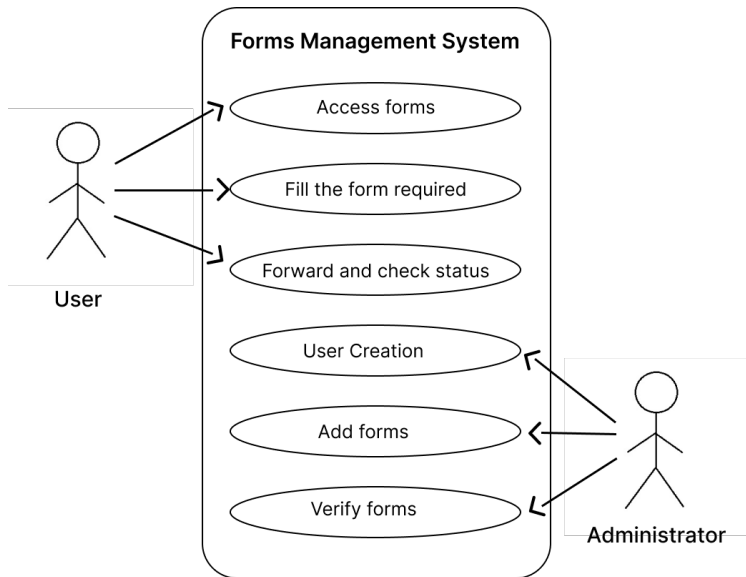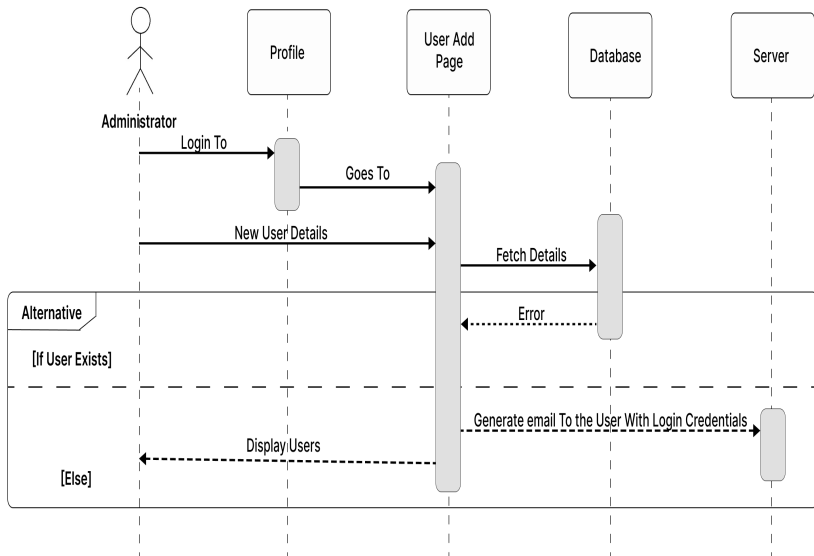

Use Case Diagram

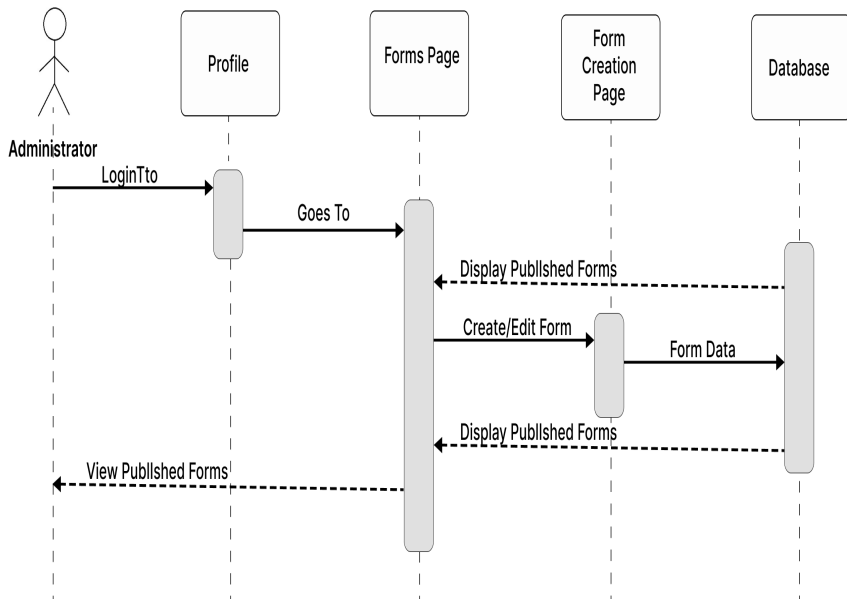# Sequence Diagram (College Registration)
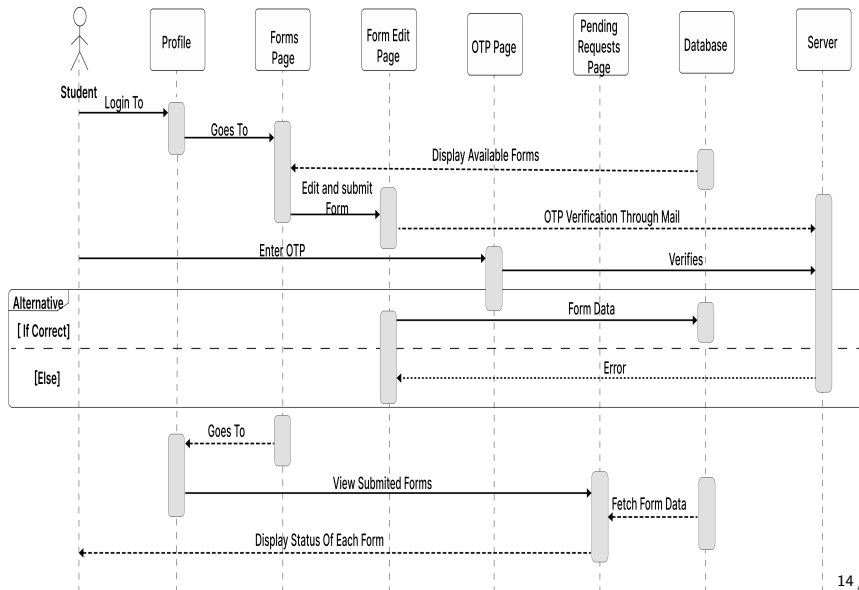
Sequence Diagram (Login)

Sequence Diagram (Adding New User)

Sequence Diagram (Form Creation)

Sequence Diagram (Form Submission)

Sequence Diagram (Form Verification)

Database Design

College

Collegeid	Username	Password	Collegename	University	Address	Phoneno	Email	Website	Collegeimg	Collegelogo

Principal

Collegeid	Id	Name	Username	Password	Photo	Phoneno	Email

HOD/Staff Advisor

Collegeid	Id	Name	Username	Password	Address	Phoneno	Email	Design	Department	Photo

Student

Collegeid	Regno	Name	Admno	Username	Password	Address	Phoneno	Email	yearofadm	Department	Photo

Forms

Collegeid	Formid	Name	Remarks	Attachment

Requests

Collegeid	Appid	Formid	Dest	Tutor	HOD	Principal	office	Attachment	Dept	Stdid	sub	Date	Remarks

Attachment

Collegeid	Attaid	Stdid	Attachname

Database Design

Tools Used

- VS code
- MY SQL Server
- Node js express

Requirement Analysis

Hardware Requirements

- Laptop with minimum 2GB RAM recommended
- Internet connectivity

Software Requirements

- Any browser, google chrome recommended

Services

- Online forms management
- Verify forms easily
- Notification system
- Status tracking
- Adding attachments
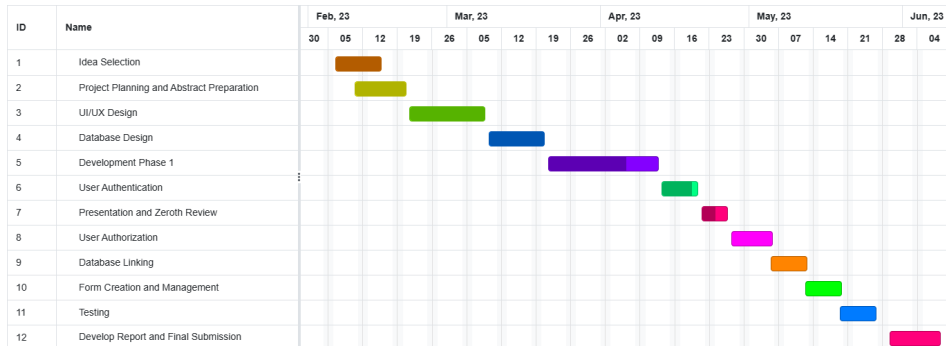- Adding remarks
- Accepting and rejecting requests
- Workflow in hierarchy of the institution

Gantt Chart

ID	Name	Feb, 23					Mar, 23				Apr, 23					May, 23					Jun, 23
		30	05	12	19	26	05	12	19	26	02	09	16	23	30	07	14	21	28	04
1	Idea Selection																			
2	Project Planning and Abstract Preparation																			
3	UI/UX Design																			
4	Database Design																			
5	Development Phase 1																			
6	User Authentication																			
7	Presentation and Zeroth Review																			
8	User Authorization																			
9	Database Linking																			
10	Form Creation and Management																			
11	Testing																			
12	Develop Report and Final Submission																			

Conclusion

- Studocs will be an essential tool for colleges and universities looking to improve their administrative processes and enhance the student experience.

- A centralized form management website can reduce administrative overheads, improve efficiency, and enhance communication with students.

- From the perspective of students, the website can provide an easy-to-use interface for submitting and tracking requests, such as registration, transcript requests, etc.

- Moreover, the website can offer 24/7 accessibility, allowing students to make requests at any time, from anywhere.

- Overall, a request form management website can be a highly effective solution for colleges and universities looking to streamline their processes, reduce paperwork, and enhance student satisfaction.

References

1 "Express 5.x - API Reference," expressjs.com.
   https://expressjs.com/en/5x/api.html

2 M. Otto, "Introduction," Getbootstrap.com, 2019.
   https://getbootstrap.com/docs/4.1/getting-started/introduction/

Thank you.