Synopsis of Project

based on

"FiNi Mail"

Bachelor of Technology

Department Of Computer Science & Engineering

AZAD INSTITUTE OF ENGINEERING & TECHNOLOGY, LUCKNOW

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STATEMENT OF PROBLEM

Email stands for electronic mail. Similar to a letter, it is sent via the internet to a recipient. The use of letter was done to send messages to relatives, friends and family. Also from many years the letters are used to convey any official information everywhere. Any sought of message was conveyed by using letter rather official on unofficial. Greetings, applications, notice, interview letter etc. all were done by the medium of letters. The process of sending letters was a time taking the letters reached its destination after months and sometimes never reached. People were not able to communicate properly also they have to wait for reply for a long time.

WHY IS THE PARTICULAR TOPIC CHOSEN?

Sometimes the mails get delayed and do not reach at proper time. All the mails from different applications, advertisements mails and all the official mails get stored in a same place. This makes the inbox full with a lot of mails. In the present busy world people often ignore the emails as considering the unimportant. This often makes them miss important mails from their workplace.

OBJECTIVE OF PROJECT

- ✓ Objective of the project is to help people to attend the important mails form their workplace without missing any.
- ✓ This project will provide a fast speed and will be managed as a private mailbox for an organization.
- ✓ This system will make all organization for task perform well.
- ✓ Report can be generated online and submitted to the head of the department.
- ✓ Making communication faster.

SCOPE OF PROJECT

- ✓ The system can be use by any organization as its private source of communication.
- ✓ It can be used by security providers to share secrete information with only desired person.
- ✓ Also different NGO's can use this system.

METHODOLOGY

The project is based on client server architecture. In client server architecture the interface for user is created in any programming language (Front end) and the database where data is stored is called back end. User interface is treated as client to which user request for data and user interface sends the user request to server or database and then server returns the data required by the client program manipulation. The application is supposed to be fully responsive and provide easy user interface.

The application is a single page application. A Single-page application (SPA), also known as a single-page interface (SPI), is a web application or web site that fits on a single web page with the goal of providing a more fluid user experience. By contrast, the default architecture for websites is to serve up a bunch of different pages and link them together with some sort of navigation structure.

The core concept behind a Single Page Application is that the browser only uses one URL. That means you can bounce around the site, fill out forms, or conduct any normal activity without the location in your browser's address bar ever changing. It's a simple thing from the user's perspective, but it has big implications for the programmer.

The backend is a fully-managed cloud database which makes its more fast and compatibility. It will handle all the complexity of deploying and managing and healing your deployments on cloud service providers of your choice (AWS or Azure).

SOFTWARE REQUIREMENTS:-

Client side:
- ✓ Any HTML5 based browser like Google chrome, Firefox etc.
- ✓ Windows or any operating System

Developer side:
- ✓ Windows operating System.
- ✓ Visual Studio 2017
- ✓ Node.JS
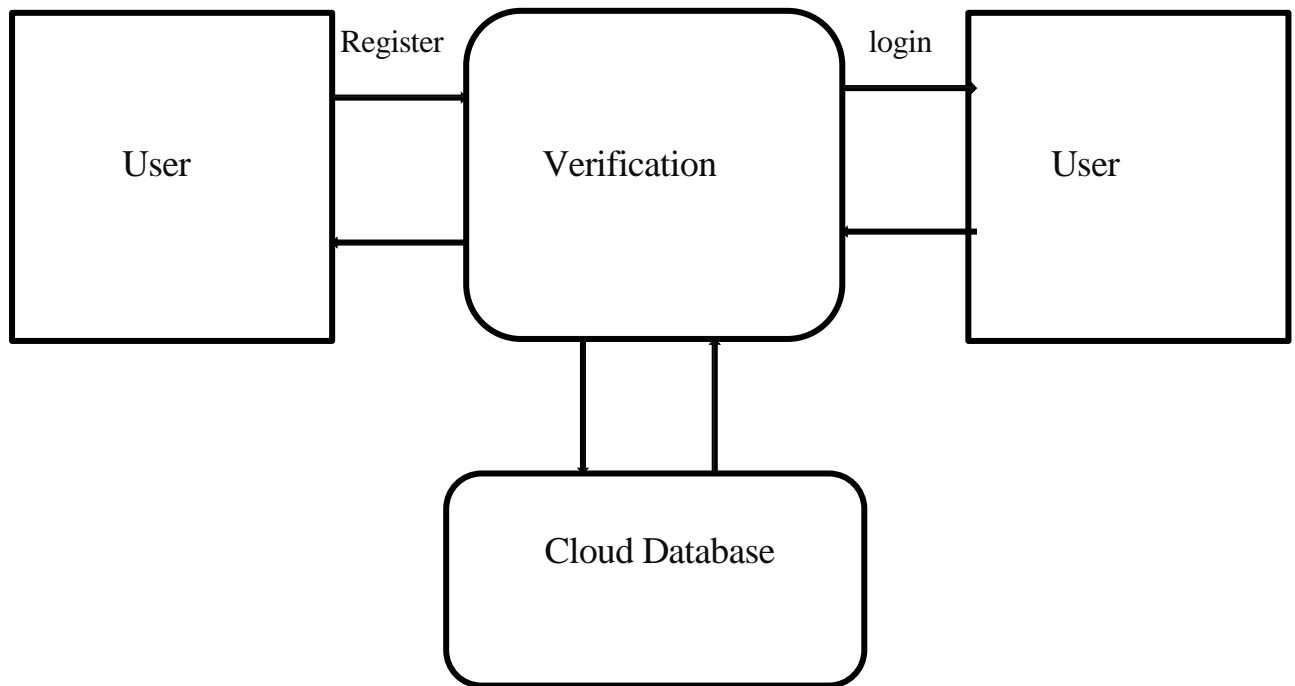- ✓ Postman

HARDWARE REQUIREMENTS:-

Client Side:

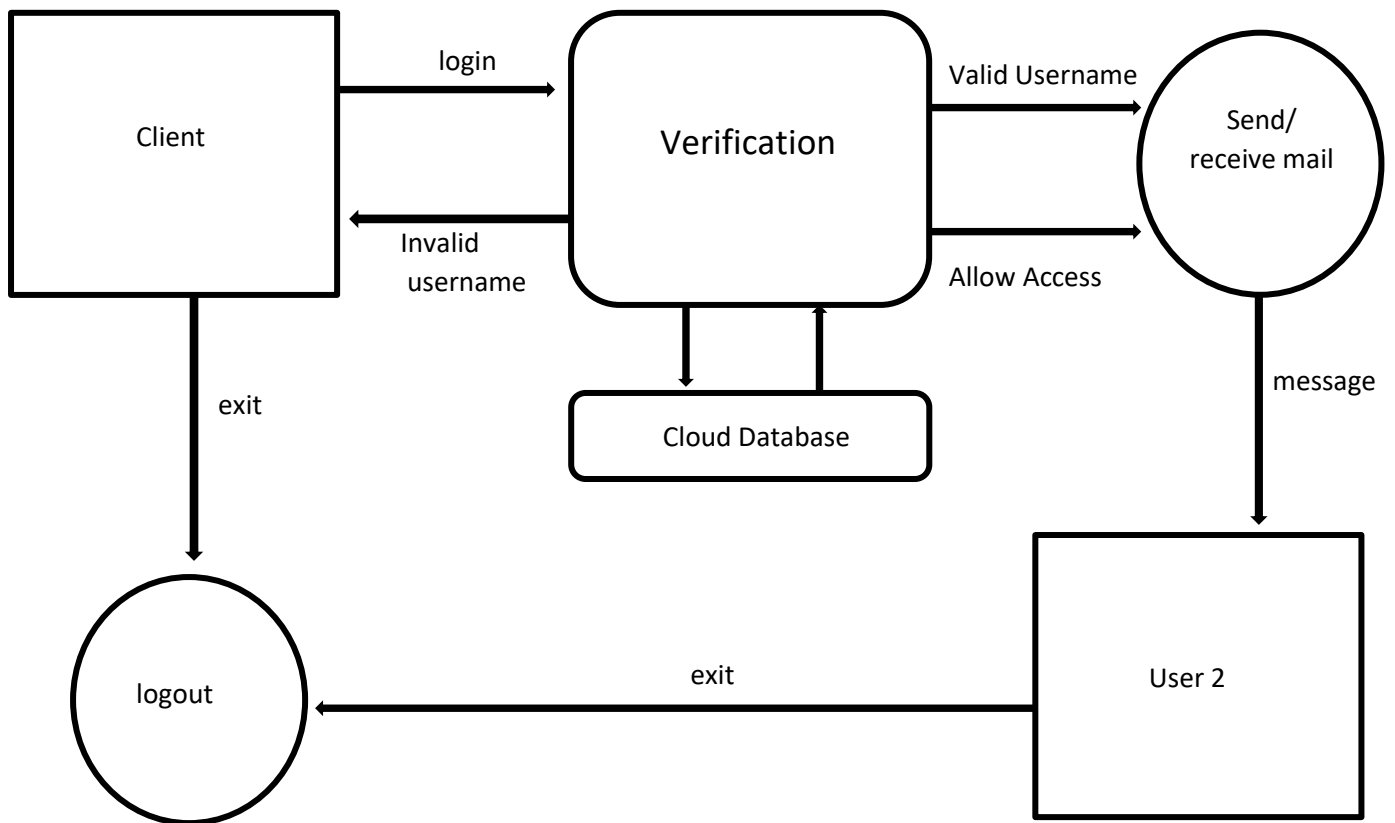|	
Processor	: Dual core or above
RAM	: 1 GB
Hard Disk	: 320 GB or 500 GB (Depends upon market availability)

CONTRIBUTION OF THE PROJECT

Since this project is developed on MEAN stack so it is a distributed web app and it can be used by any other organization who need this kind of software and also it is cloud ready because of mongo dB and firebase of it can be used in distributed fashion. This web app will be very helpful for organizations. This project can be used in the fields of Service, Defense System & Hospitality and provides such a great platform for all researchers, enterprisers and students to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration. Can be accessed from anywhere any time as it is a web based application. This project can be used for different fields like College, Management, Hospitals, NGO's etc.

Data Flow Diagram level - 0

User — Register → Verification — login → User

Verification — Cloud Database

Flow Diagram level - 1

Git hub Link:- https://github.com/Fishi736/Fini.git