Presentation On Node JS and MongoDB Application

Presented By:

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Presented To:

Arpita Roy

Master Trainer

Edunet Foundation

IBM Advance Diploma

Presentation Flow

- Introduction
- Project Category: Web Based Application
- Purpose
- Use Case Diagram
- Sequence Diagram
- Data Flow Diagram (DFD)
- Entity Relationship Diagram(ER)
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- Database Structure
- Application Deployment
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Introduction

- This application is developed using NodeJS and the Express framework, when we want to interact with a MongoDB database from your code. Fortunately, this task is easy to accomplish using the Mongoose package for JavaScript. In this project I'll show you how to create an application using NodeJS, Express and MongoDB.

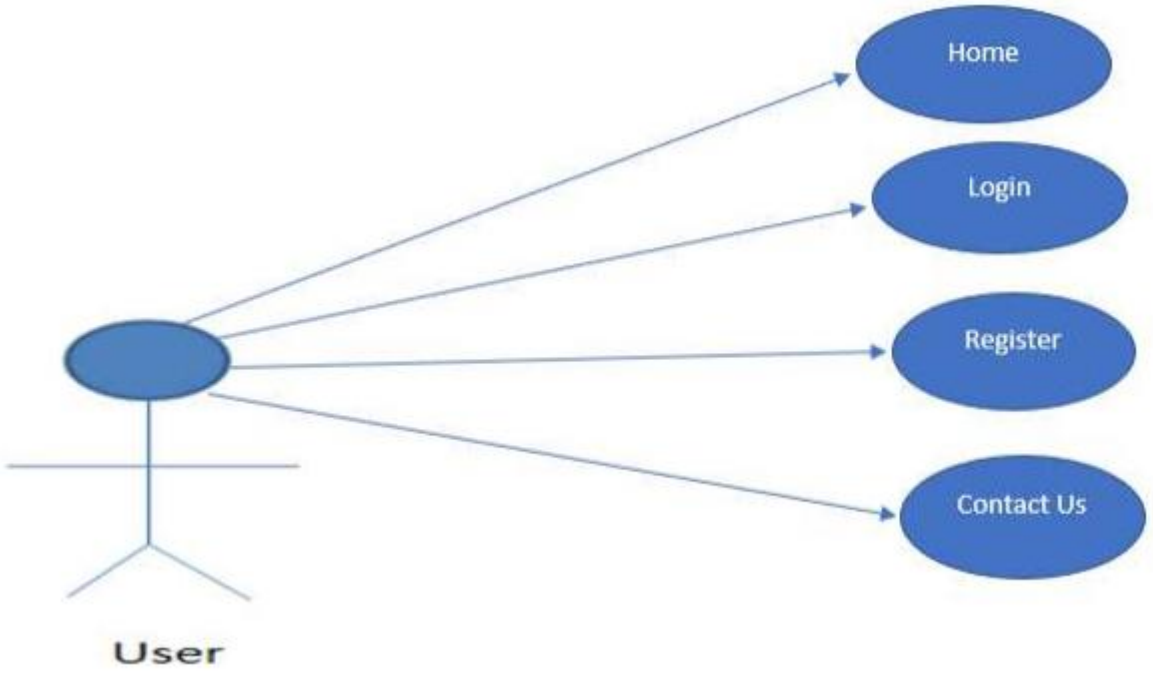
Project Category: Web Based Application

- **Services Used :-** Cloud Foundry
- **Tools and Software's used :-** Editor Used: Visual Studio Code ∞ Operating System: Windows 10 ∞ Browser: - Chrome ∞ Documentation: - MS Word
- **Technologies used :-** Languages: HTML, CSS, JavaScript.
- **Runtime:** - Node Js
- **Non-RDBMS:** MongoDB
- **Library/Framework:** Express, Mongoose, Bootstrap

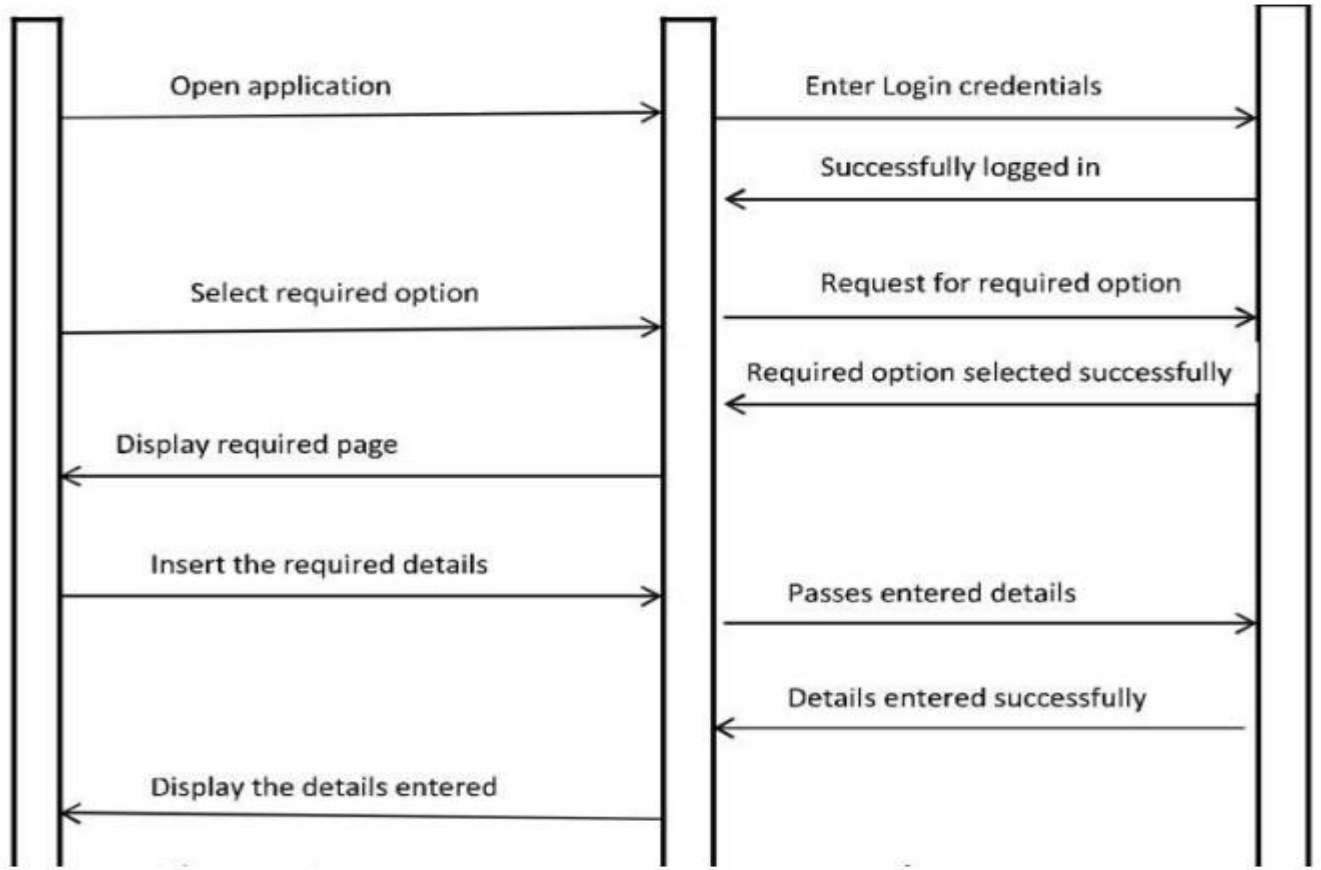
Purpose

The purpose of this document is to describe the functionality and specifications of the design of a web application and to learn how to build a simple web-based application using Node Js and Mongo DB.

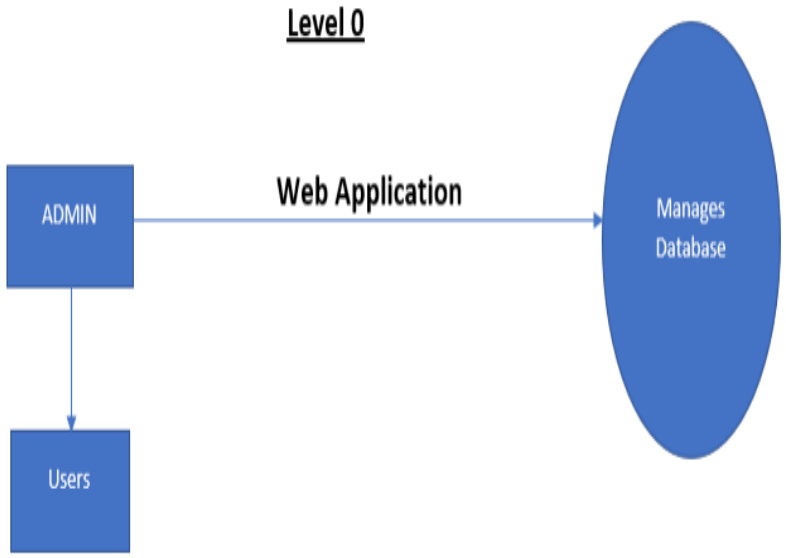
Use Case Diagram

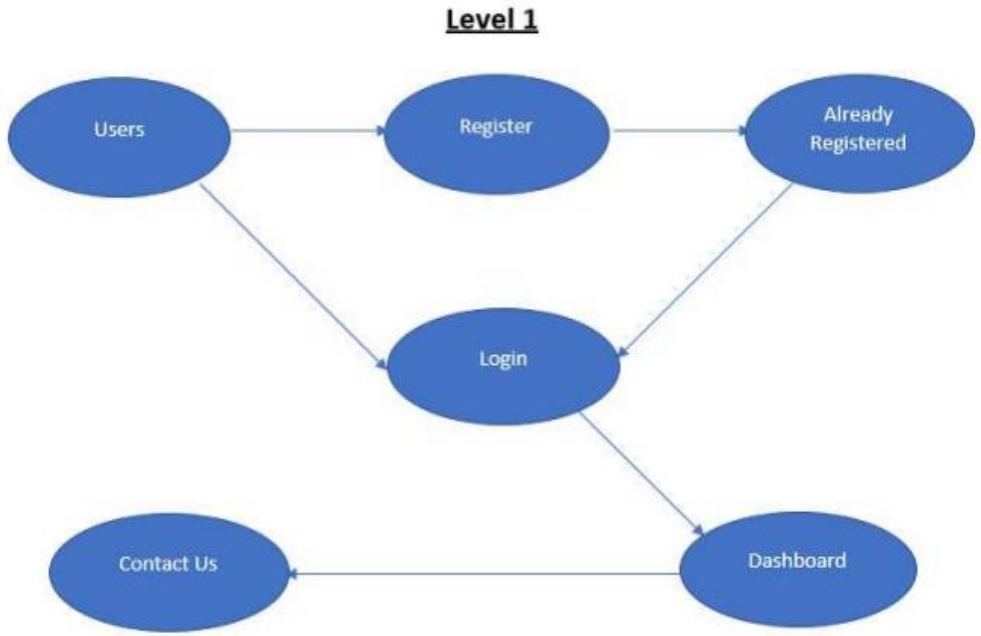


Sequence Diagram

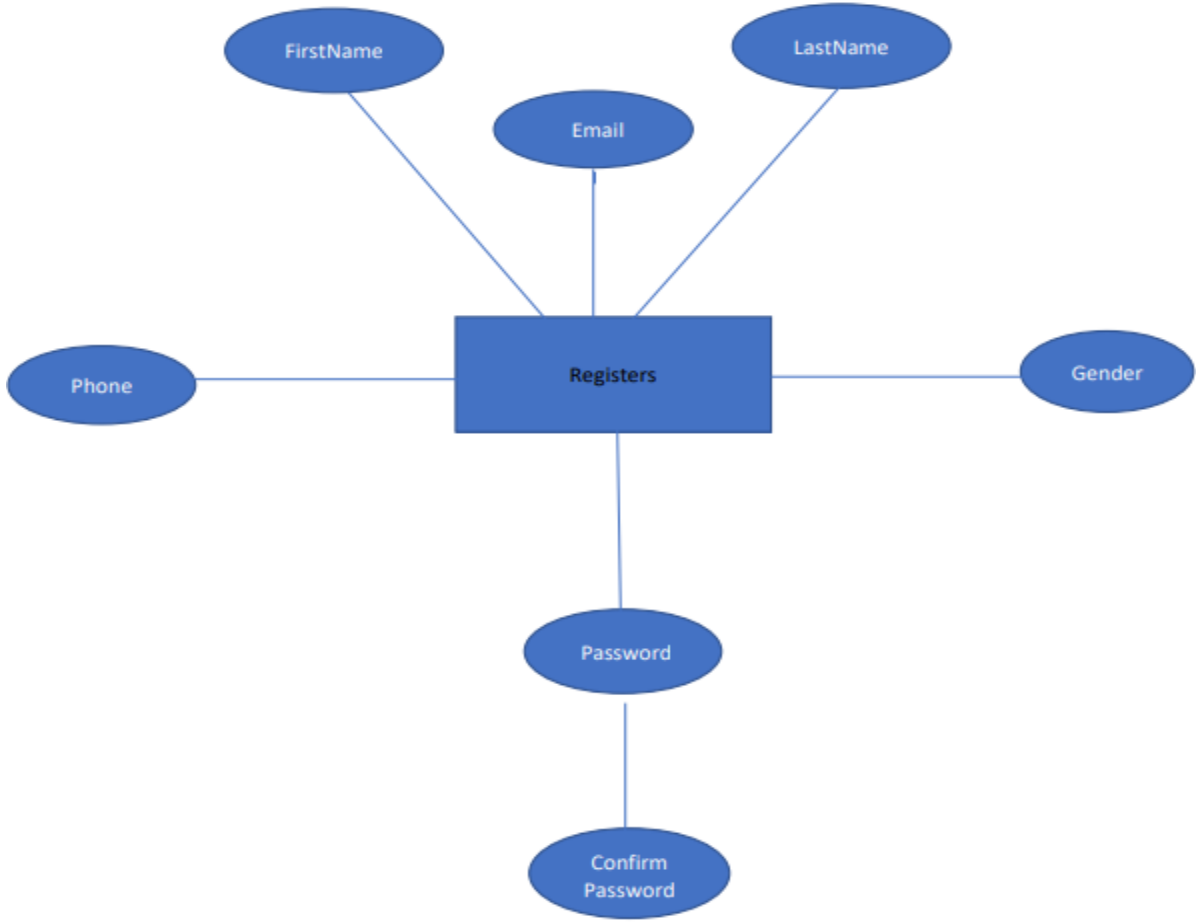


Data Flow Diagram (DFD)

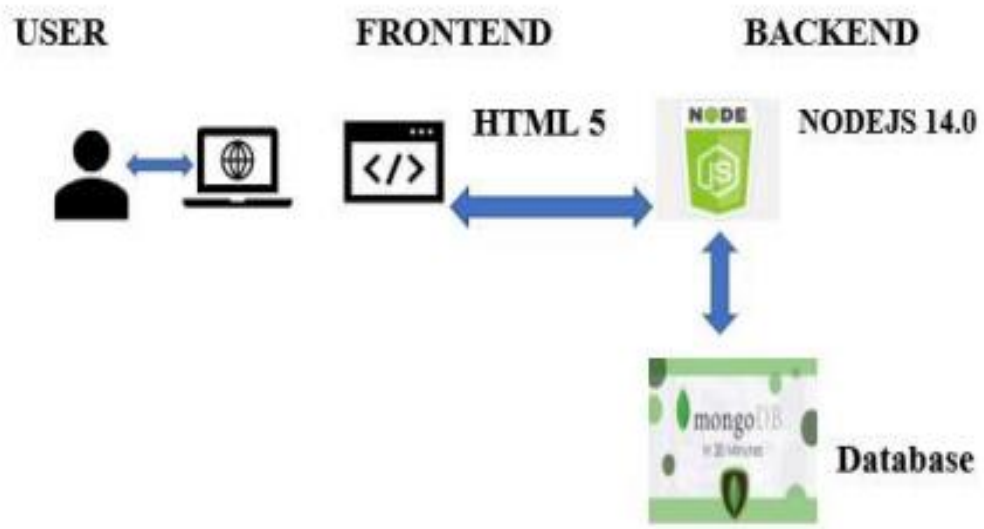




Entity Relationship Diagram(ER)

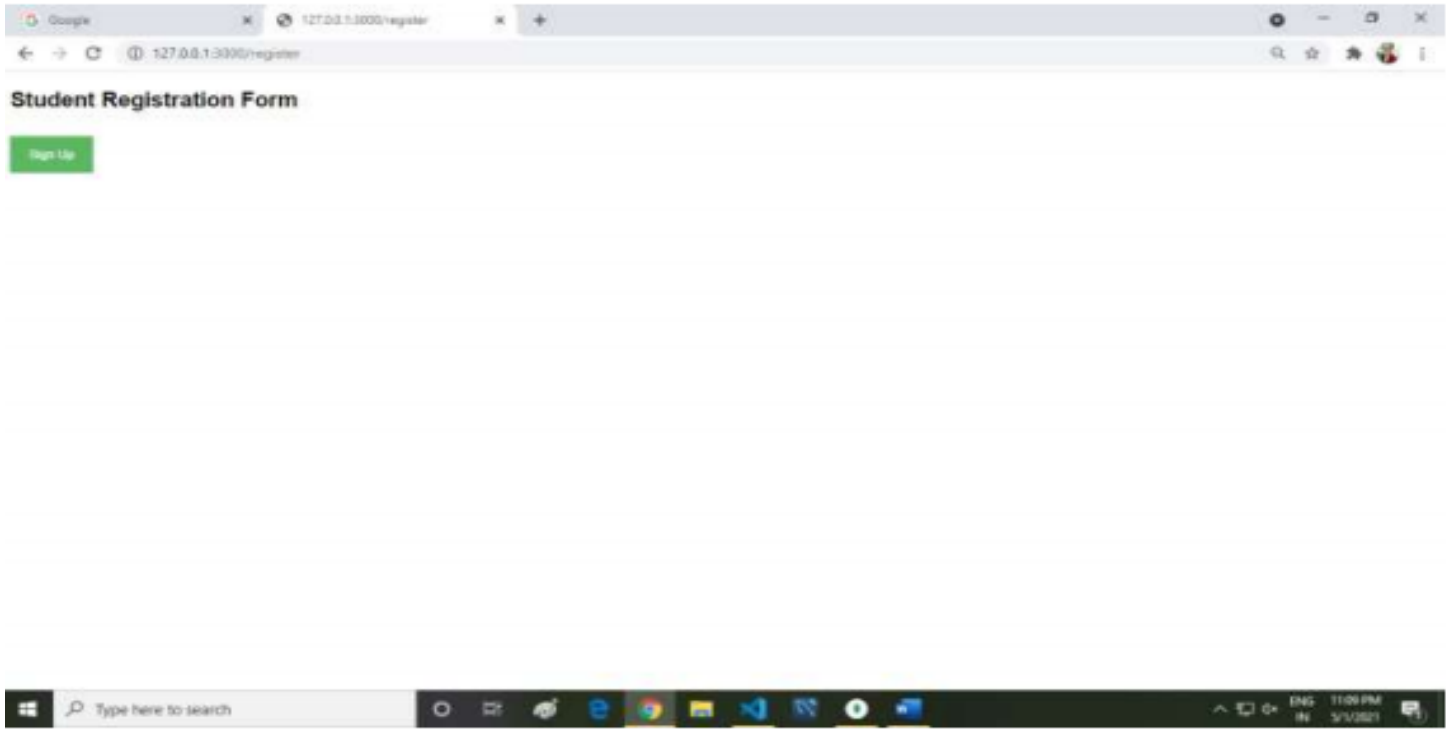


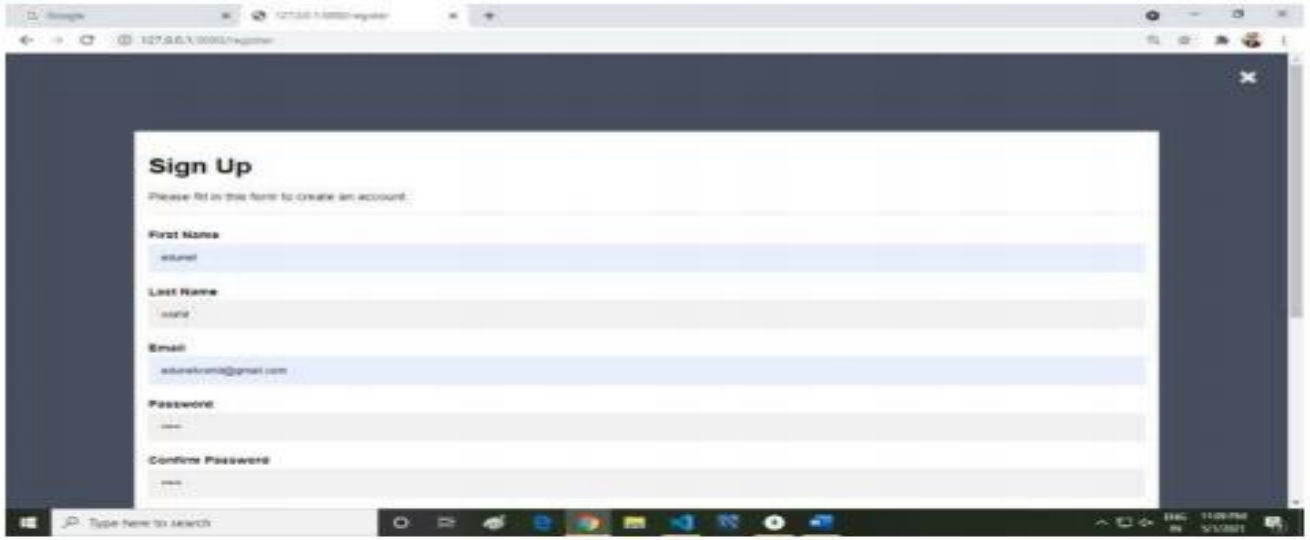
Project Architecture

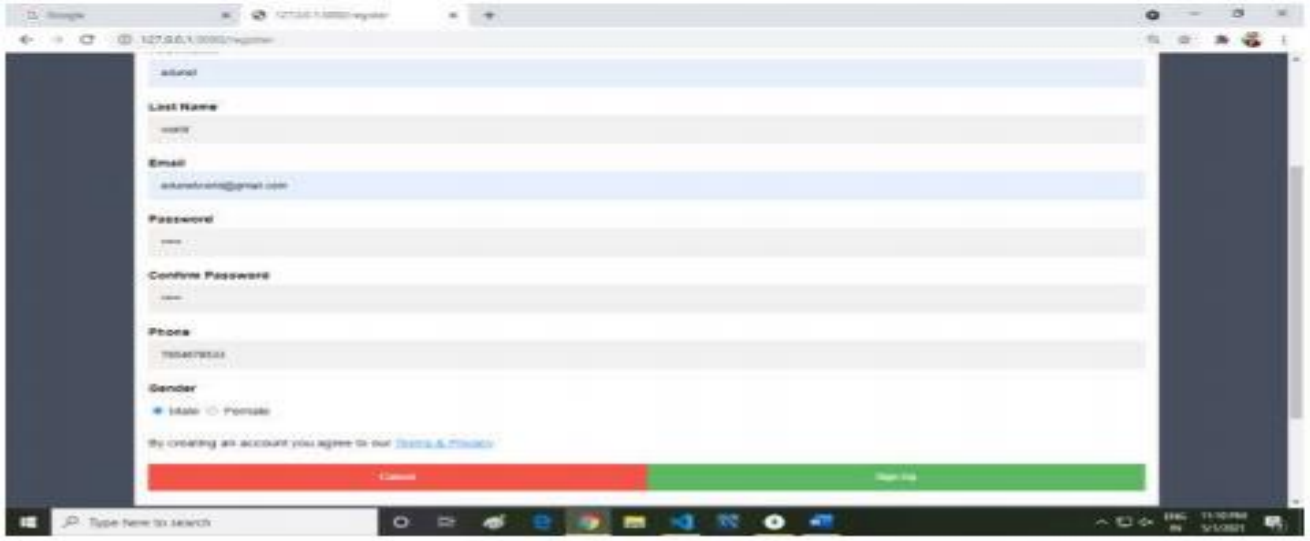


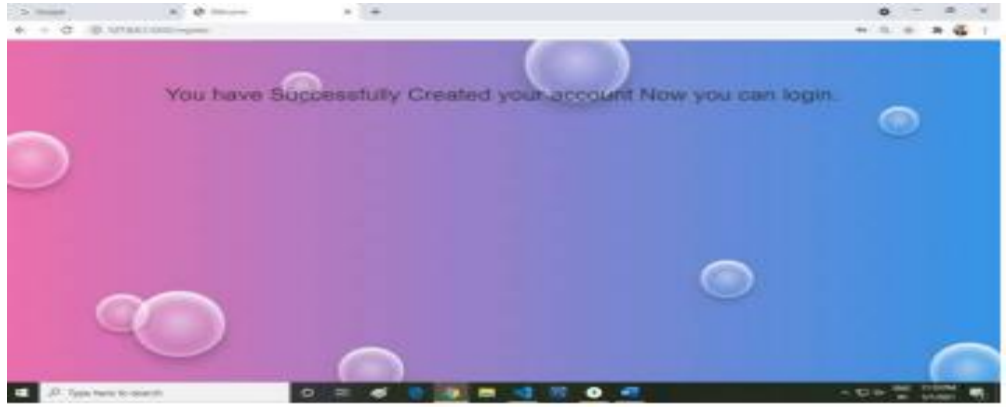
User Interface Snapshots

Signup page:

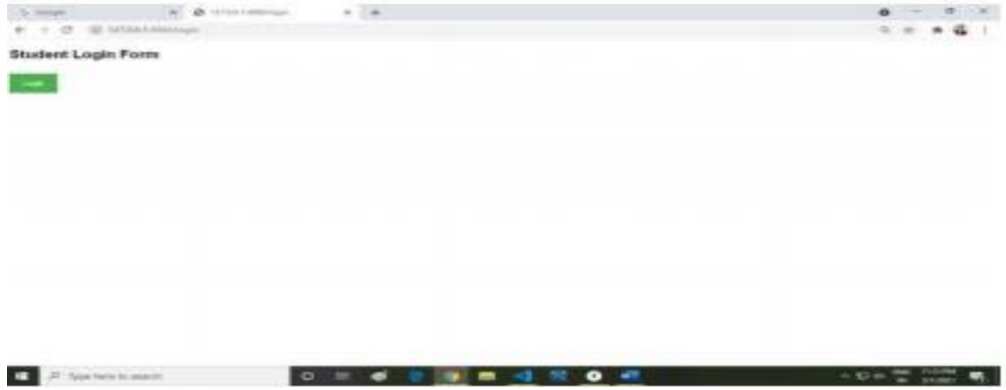


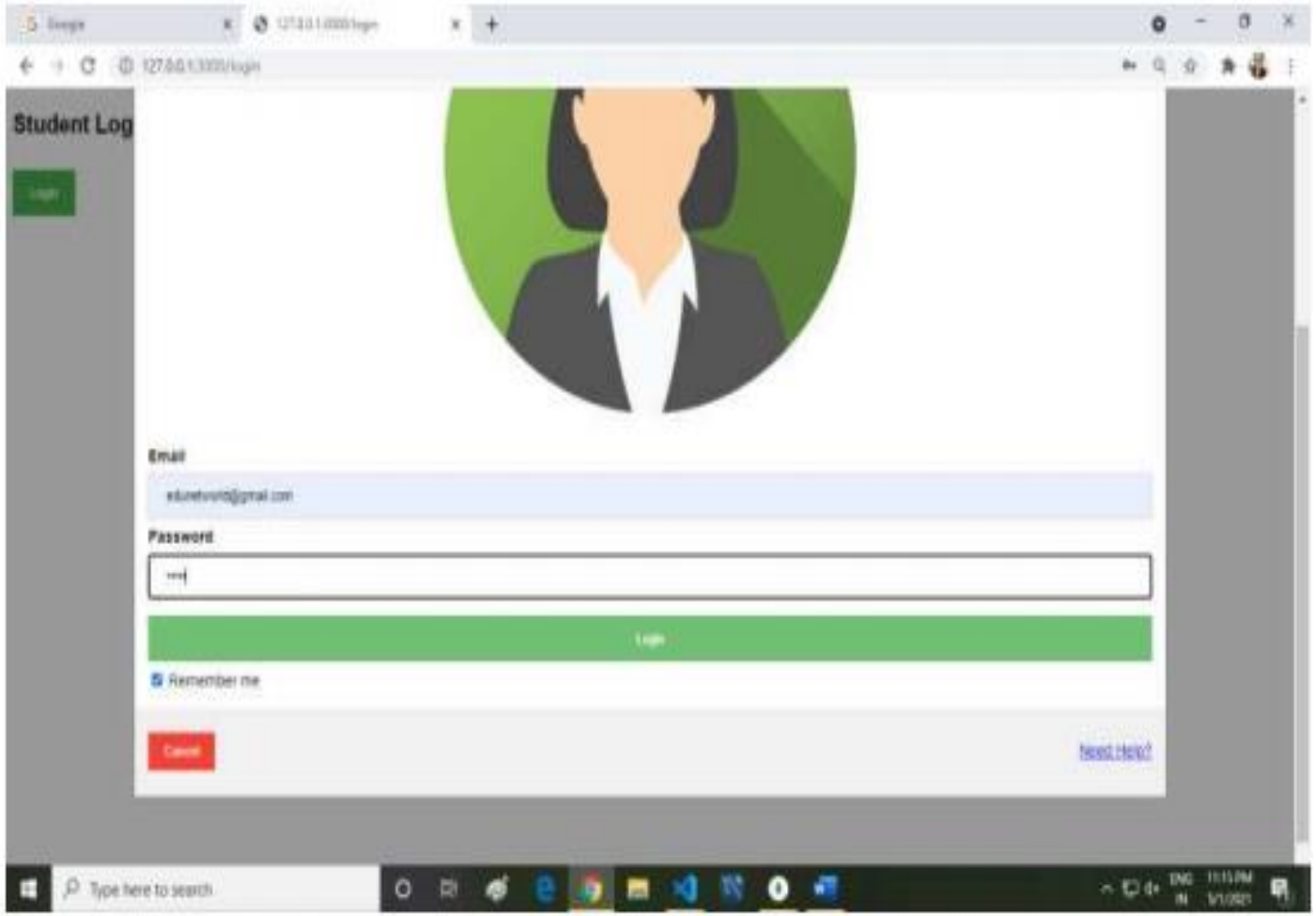

Sign Up
First Name
Last Name
Email
Password
Confirm Password

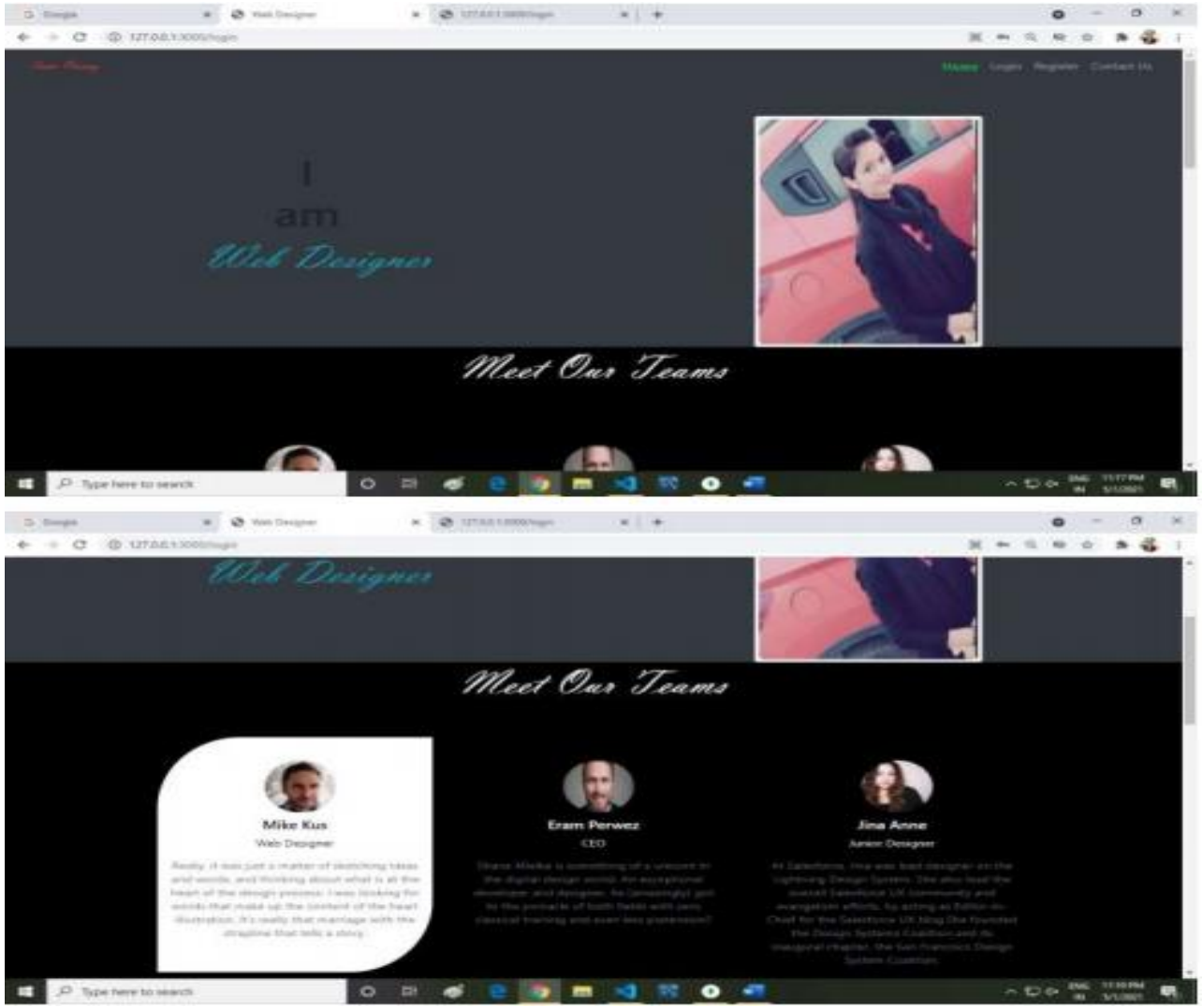

Last Name
Email
Password
Confirm Password
Phone
Gender

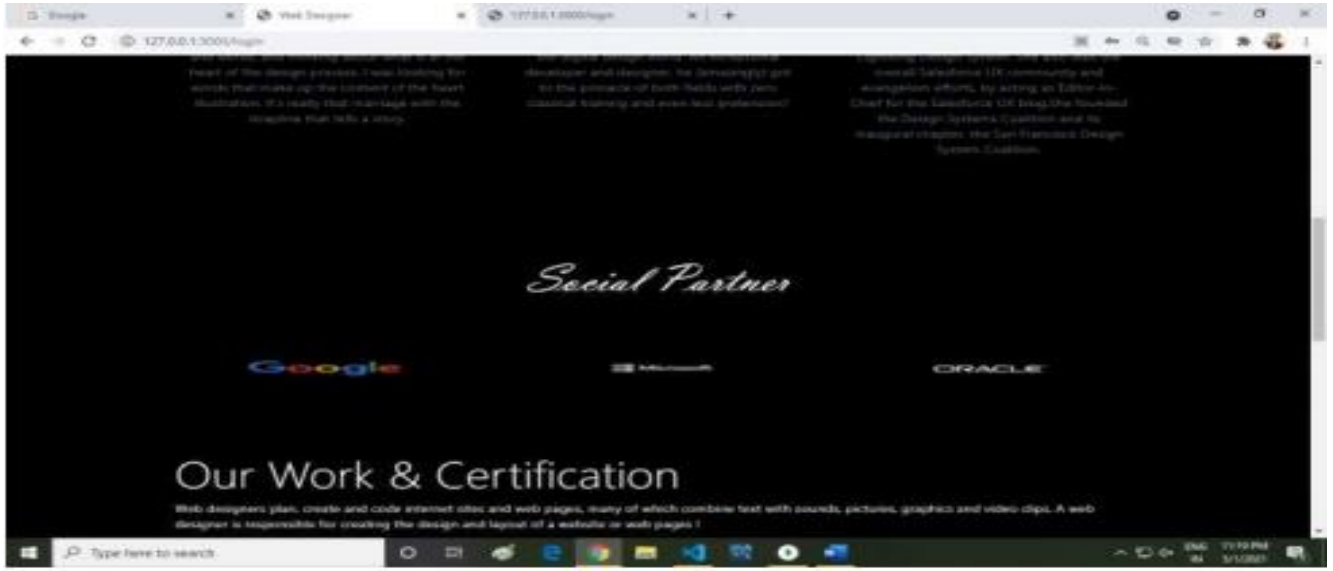

You have Successfully Created your account Now you can login.

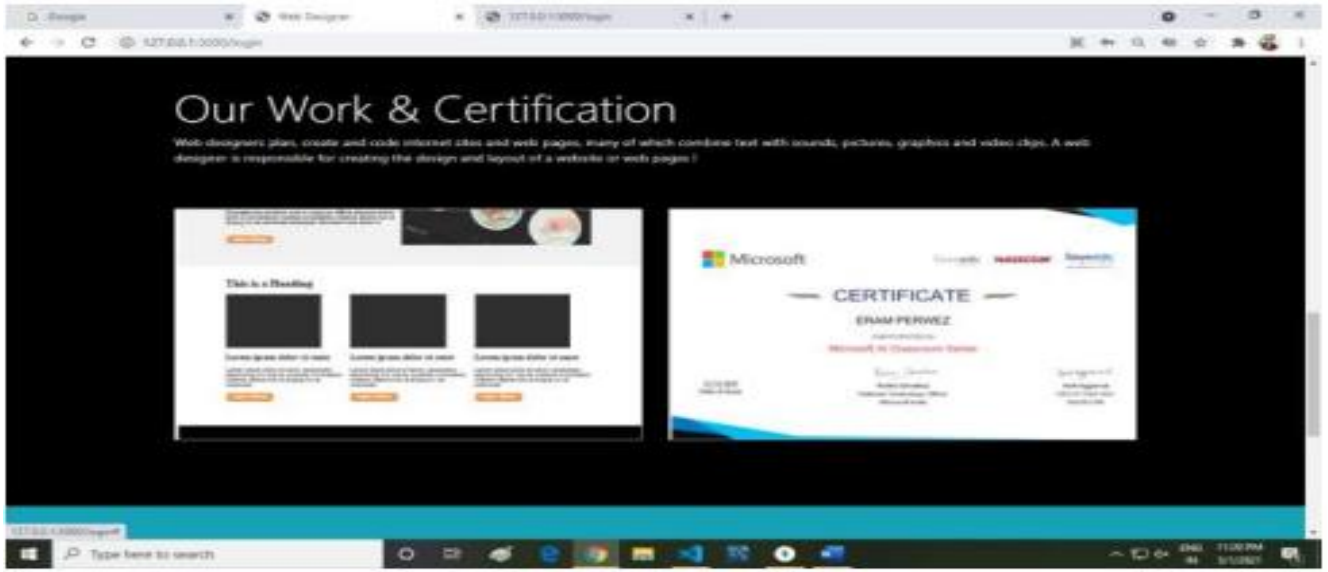
Login page:

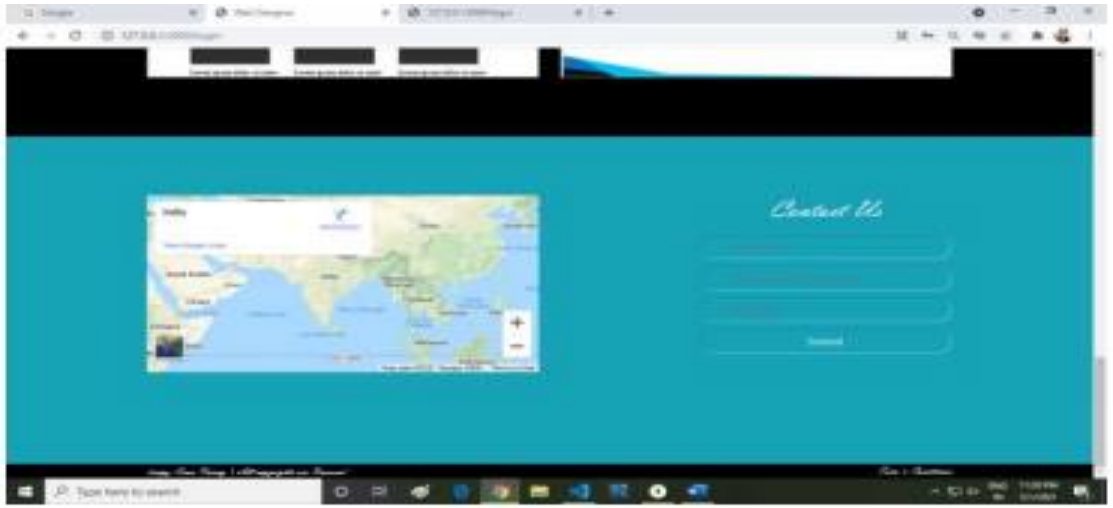

Student Login Form


Student Log
Email
Password
Login
Remember me
Cancel
Forgot Password?
Type here to search

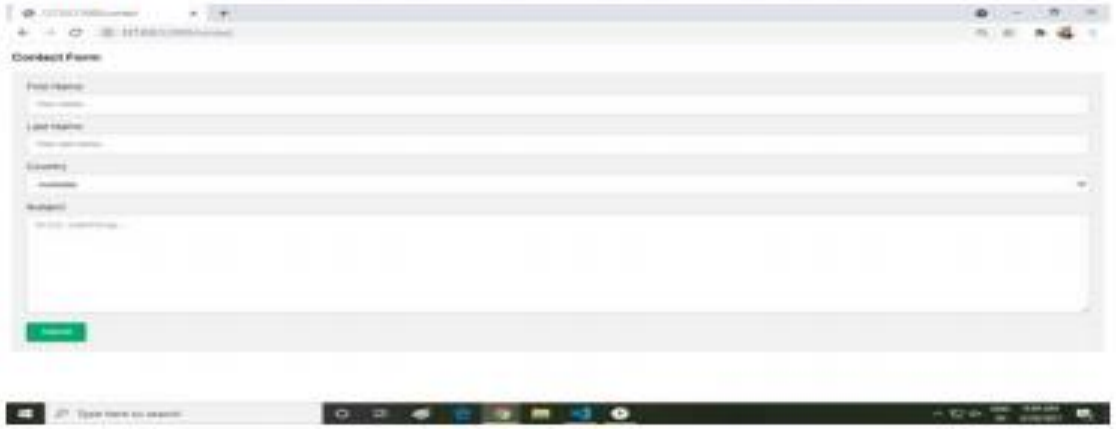

I
am
Web Designer
Meet Our Teams
Web Designer
Meet Our Teams
Mike Kus
Web Designer
Eram Perwez
CEO
Jina Anne
Junior Designer


Social Partner
Google
ORACLE
Our Work & Certification
Web designers plan, create and code internet sites and web pages, many of which combine text with sounds, pictures, graphics and video clips. A web designer is responsible for creating the design and layout of a website or web pages !


Our Work & Certification
Web designers plan, create and code internet sites and web pages, many of which combine text with sounds, pictures, graphics and video clips. A web designer is responsible for creating the design and layout of a website or web pages !
Microsoft
CERTIFICATE
ERAM PERWEZ



Contact Us page:



Database Structure

Database (MongoDB) :

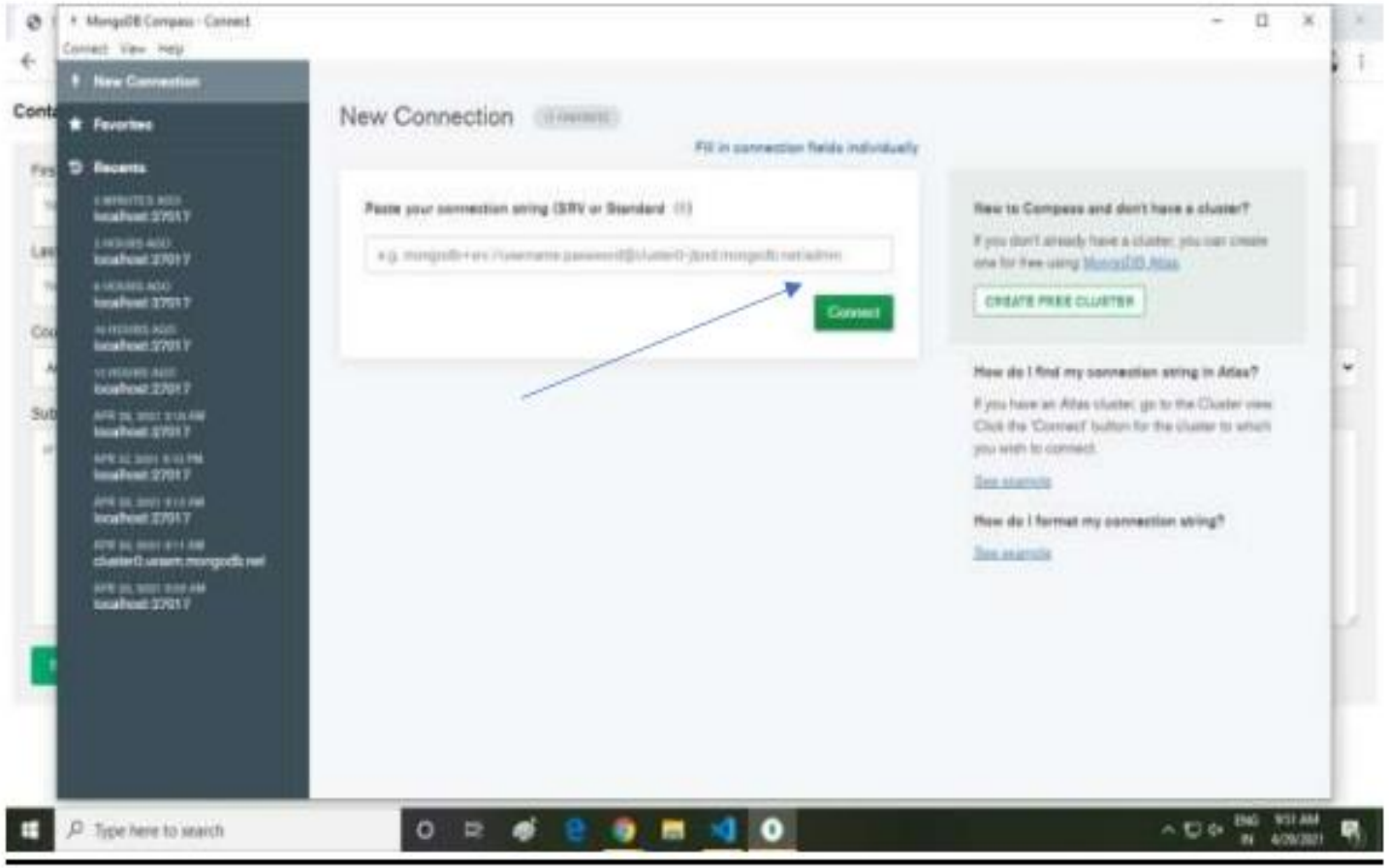
Database Name: - Registrationdb

Collection Name: - Registers

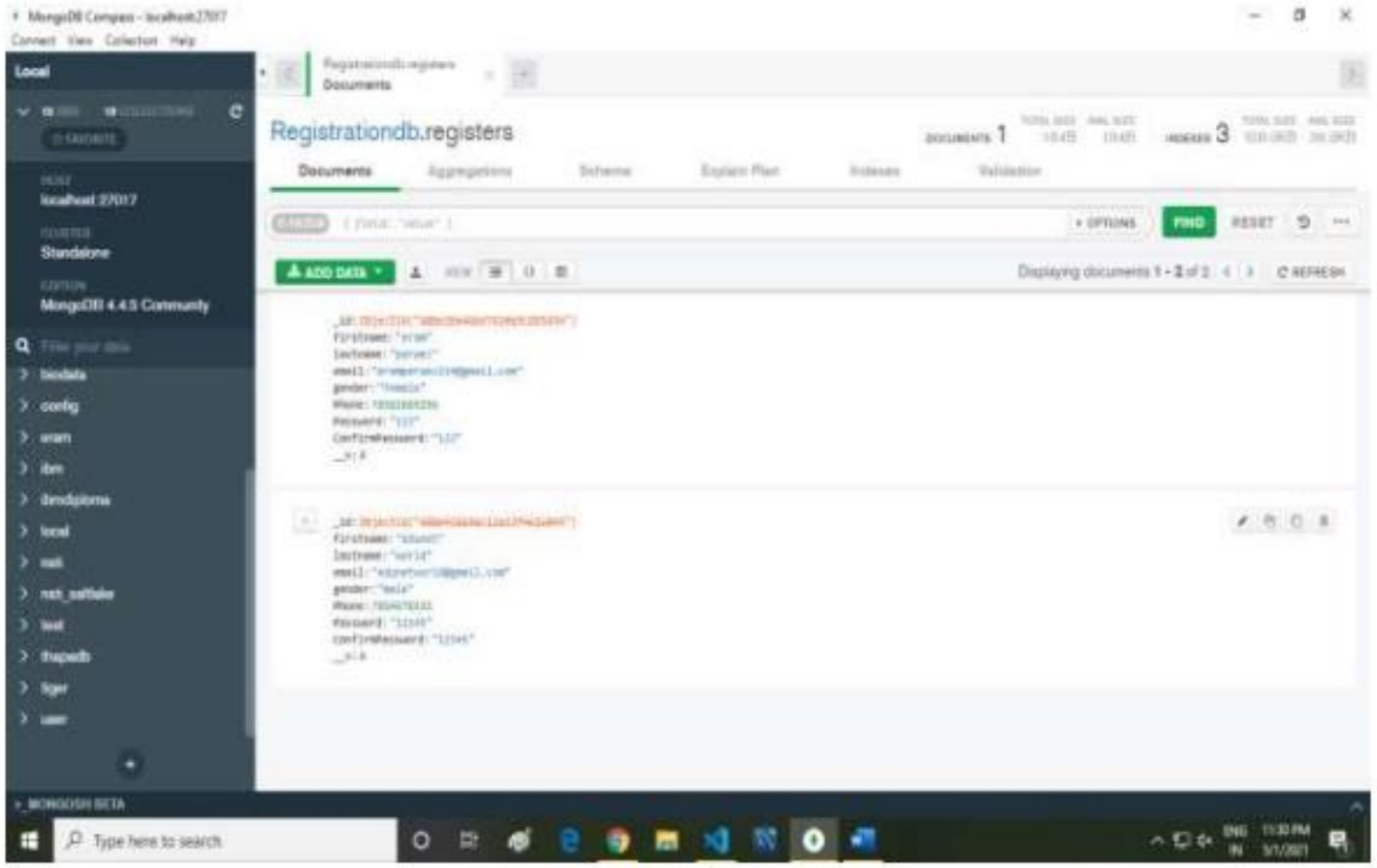
Structure:

_id	By default, In MongoDB
Firstname	Enter the name of the user.
Lastname	Enter the password of the user.
email	Enter the email_id of the user.
gender	Enter the type of gender
Phone	Enter Phone Number
Password	Enter Password
Confirm Password	Enter and confirm Password

MongoDB Compass(Database)



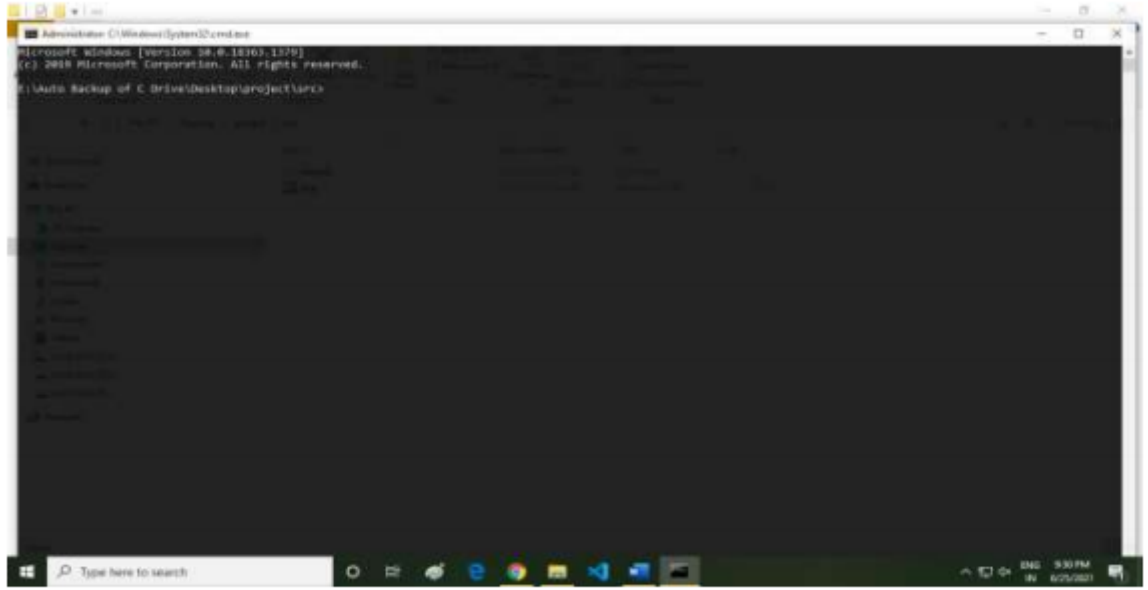
Inserted Data(Database)



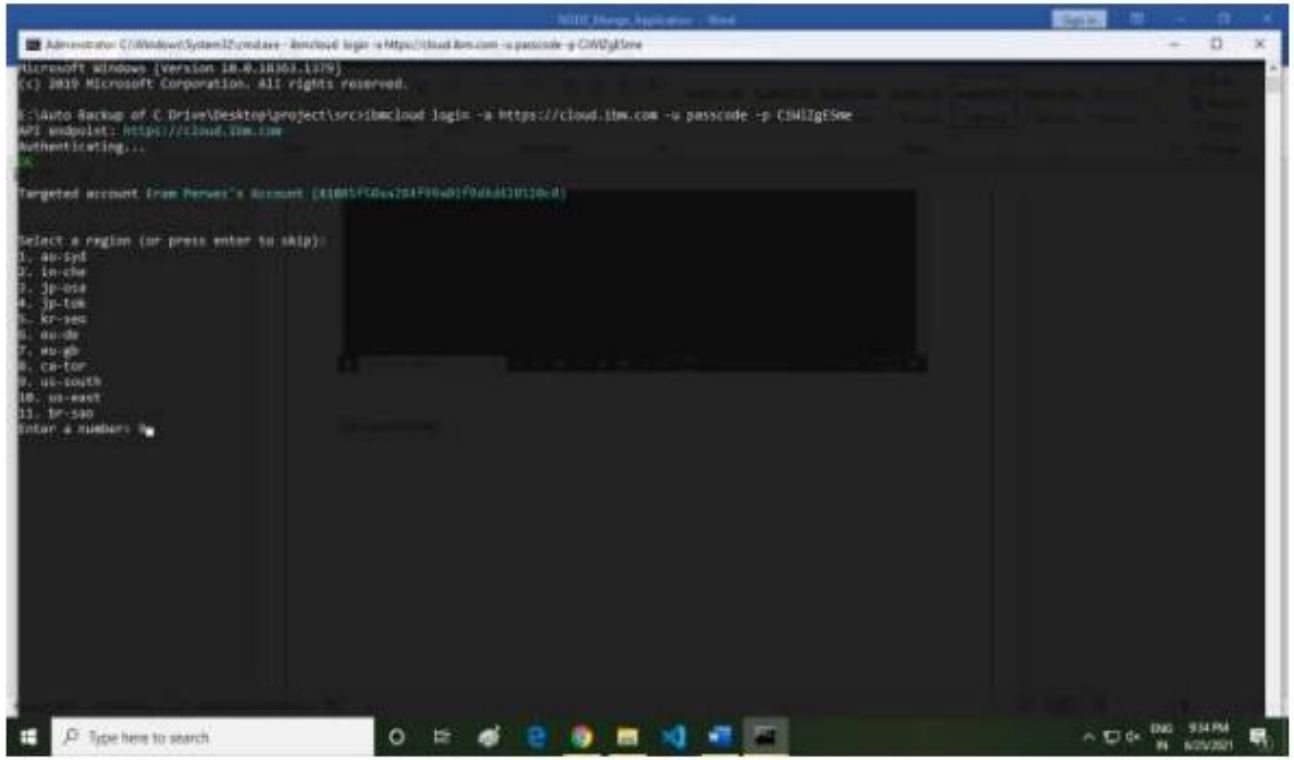
Application Deployment

In this project I am going to diployee our project on ibmcloud via ibmcloud cli.

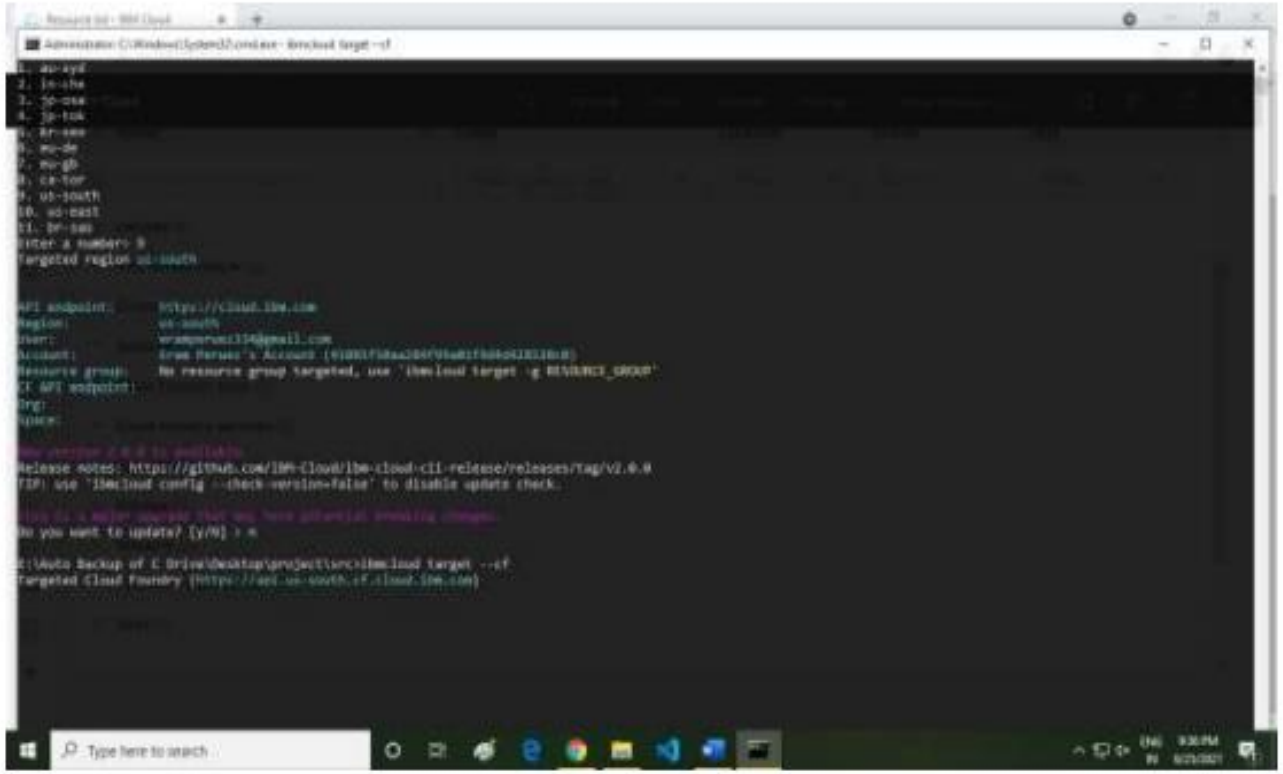
Open cmd



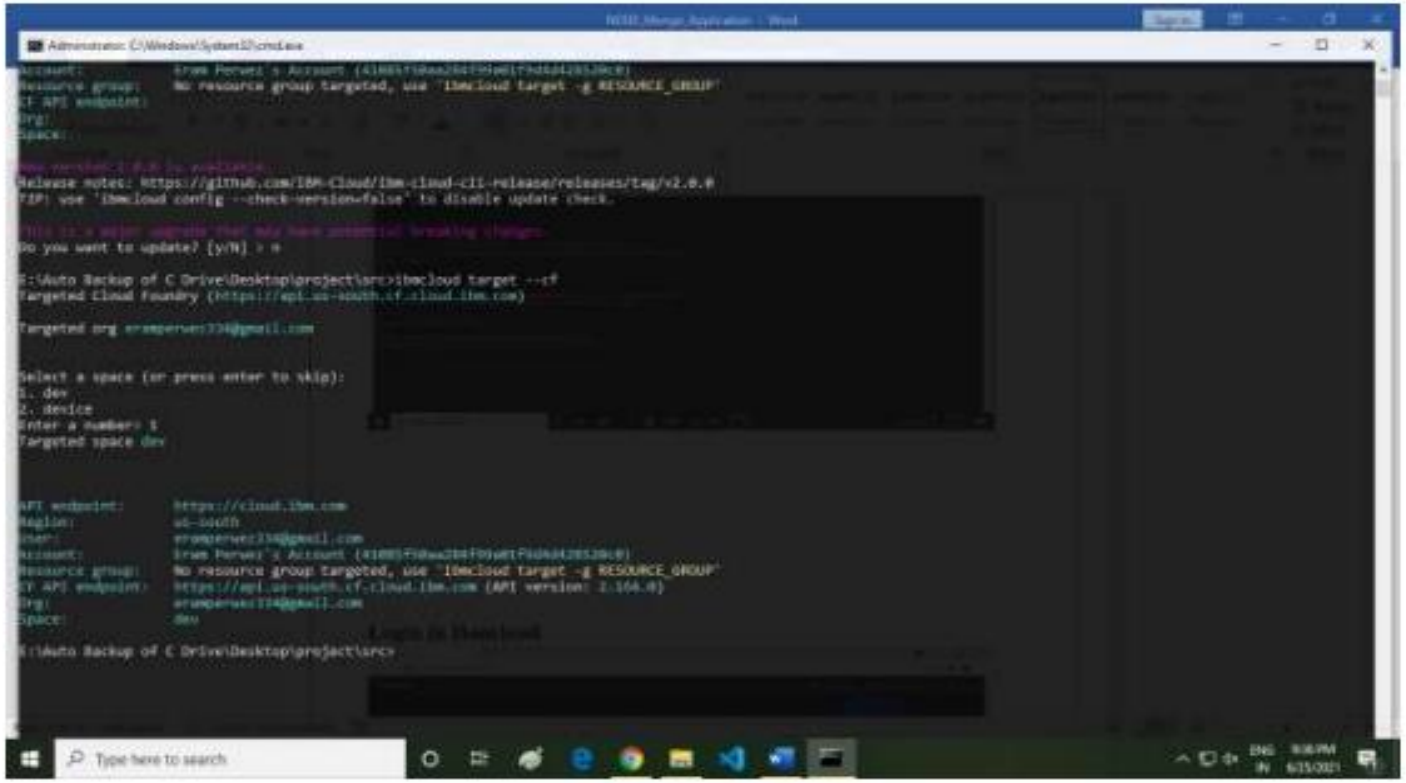
Give credentials and select Dallas Region(us-south).


Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.
D:\Auto Backup of C Drive\Desktop\project\src>ibmcloud login -a https://cloud.ibm.com -u passcode -p CSWlZgE5ne
API endpoint: https://cloud.ibm.com
Authenticating...
OK
Targeted account Iram Parwez's Account
Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number:
Type here to search

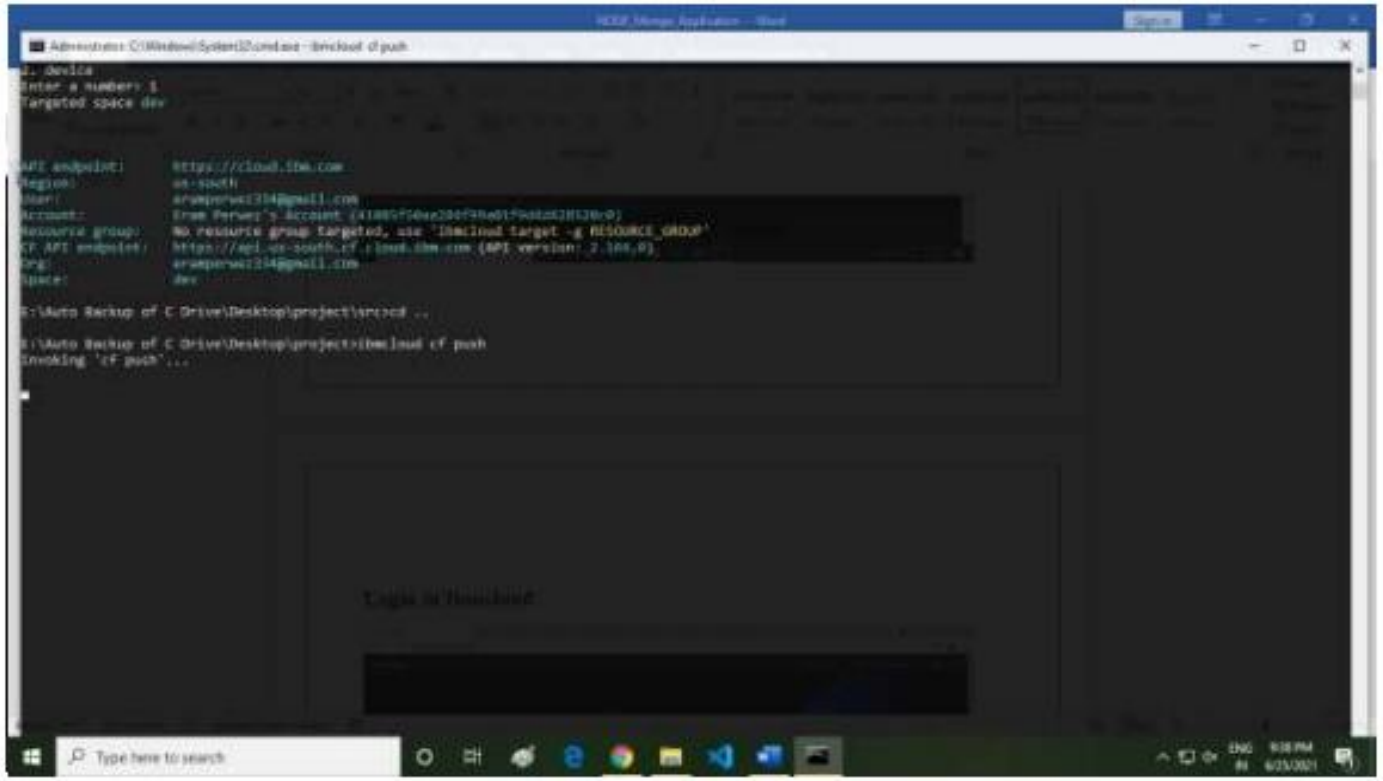
Target Cloud Foundry



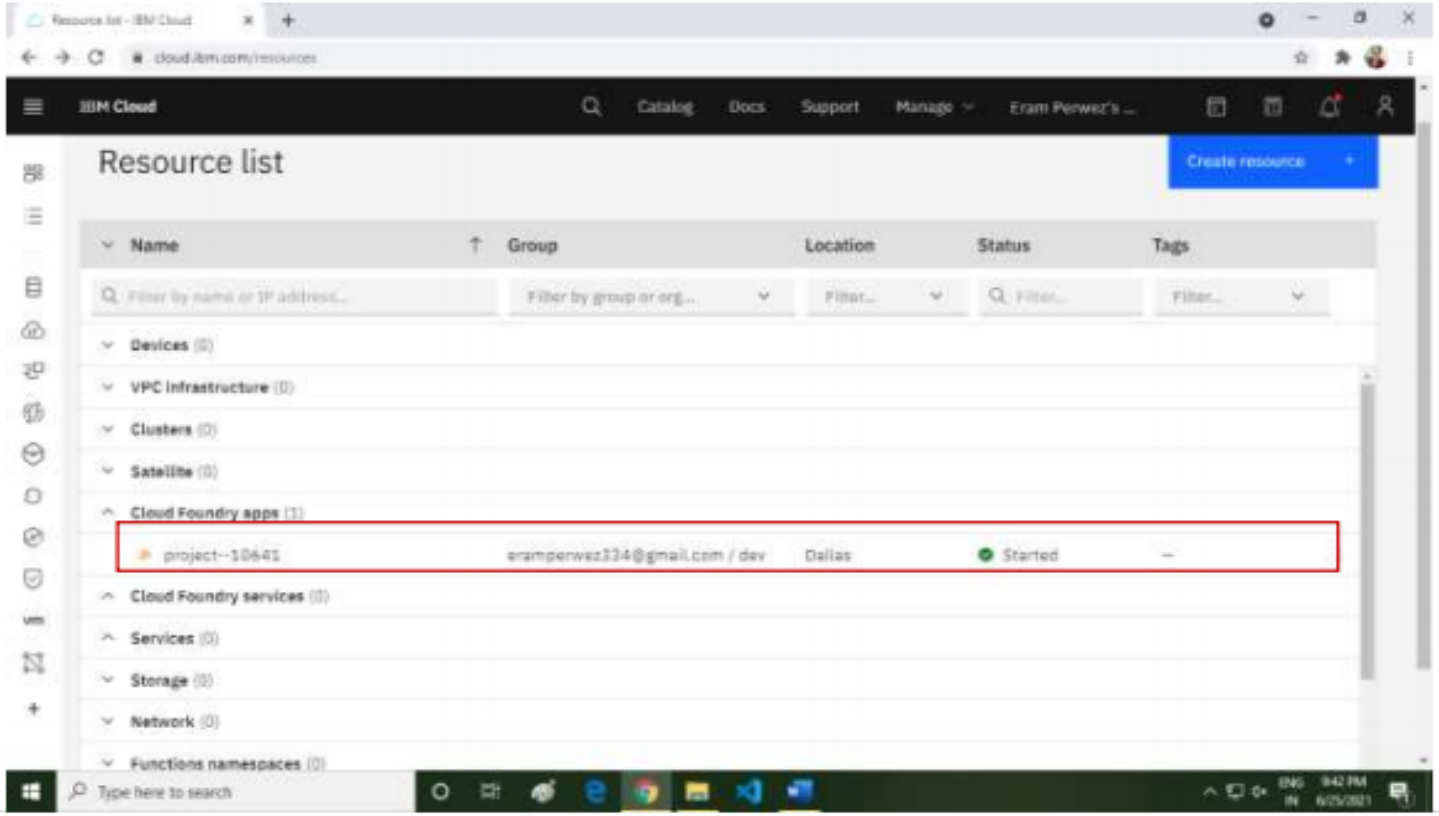
Add Spaces (dev)



Push your application now



Login in IBM cloud and go to Resource List



Conclusion

- While building an application using NodeJS, Express and MongoDB, it's important to make sure everything I need is installed and configured correctly. In this project, I have covered those key steps in the process, and we also walked through the code needed to make the application work.

References

- http://www.w3schools.com/
- http://www.tutorialspoint.com/
- http://www.github.com/
- http://www.nodejs.org/

Thank you!