

ELECTROGATE

SE PROJECT CS331

SUPERVISION:

Asst. Prof. Dr. Angshuman Jana

GROUP NO: 5



GROUP MEMBERS:

1. Ankit Kumar (1901032)
2. Gaurav Kumar (1901069)
3. Harsh Yadav (1901075)
4. Arpit Pratap (1901042)

INTRODUCTION:

The purpose of this web application is to connect client and service care through a virtual platform without being present physically. Our motive is to provide home service solutions to electronics problem 24*7 when clients can't reach out physically, especially in current pandemic scenarios.

This platform is to make our lives more fulfilling to solve our electronics problem. It enables users to find any service professional related to electronics problem. Some of them are listed below:

• Students Accessories

1. Laptop
2. PC
3. Mobile

• Daily use Home Appliances

1. TV
2. Fridge
3. Washing Machine
4. AC

• Kitchen Appliances

1. Microwave
2. Mixer
3. Induction
4. Dishwasher

• Home Decoration Items

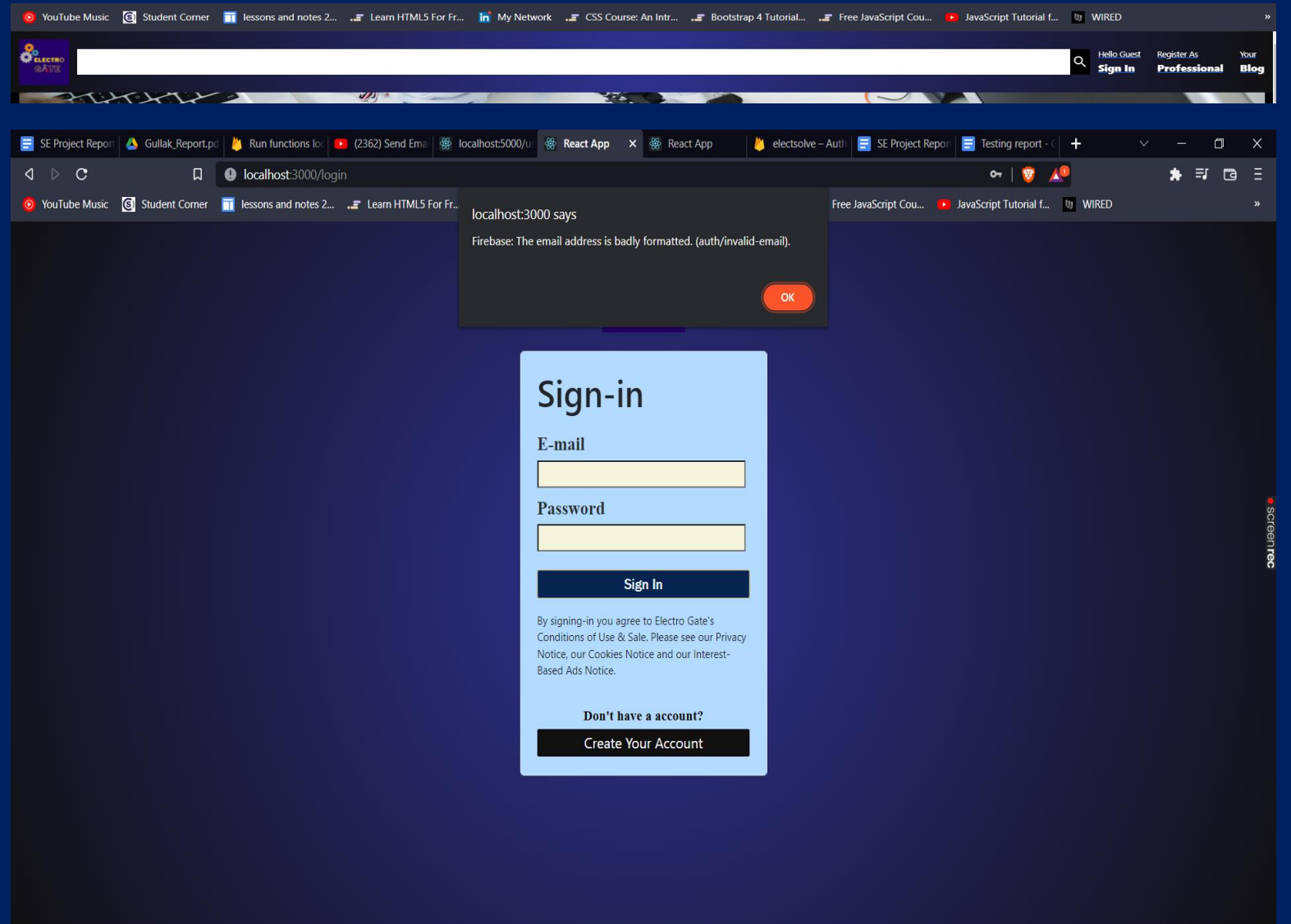
1. LED Lights
2. Wall Lamps

FUNCTIONAL REQUIREMENTS:

1. Sign-up
2. Sign-in
3. Registration as Professional
4. Administrators Authorized Professional by authentic details
5. Insurance of Products
6. Feedback
7. Book Services
8. Time slot choose
9. Explore the Tech Blogs
10. Video Calling with best consultant.

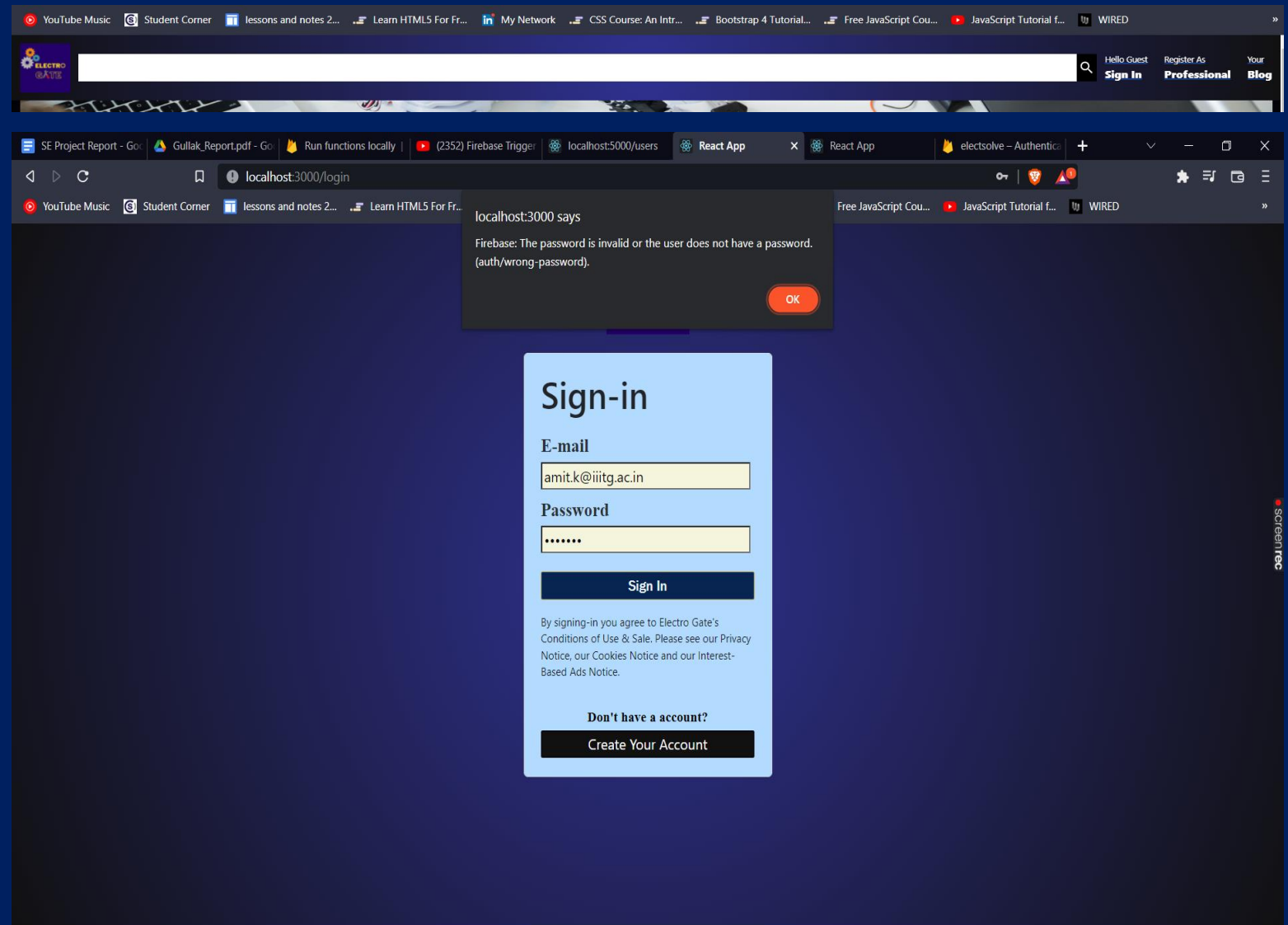
SIGN-UP:

When Users are new, then he/she will go for create new account then after doing he/she will directly reflect to the home page and her/his email name in place of “Guest” name on Home page Header.



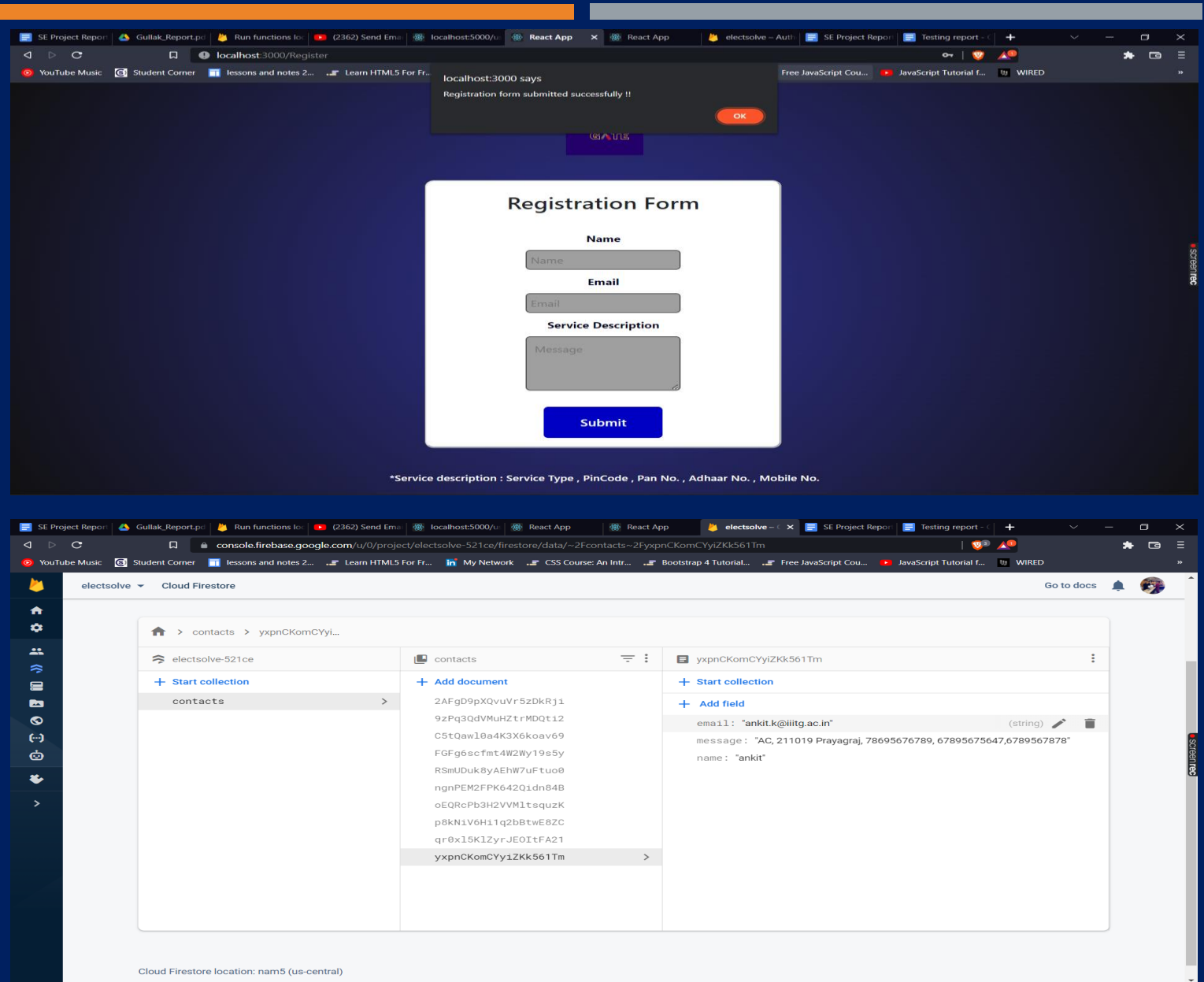
SIGN-IN:

When Users are existing, then he/she will only go to fill E-mail ,password and sign-in then after doing he/she will directly reflect to the home page and her/his email name in place of “Guest” name on Home page Header.



REGISTRATION AS PROFESSIONAL:

When users belong to service care then they can register her/his service on website by using Registration form of Professional and that info reflect on Admin database.



REGISTER USER AUTHENTICATION:

When user filled Registration as a Professional form then after that Admin will authorized that user by given information that shown on his database.

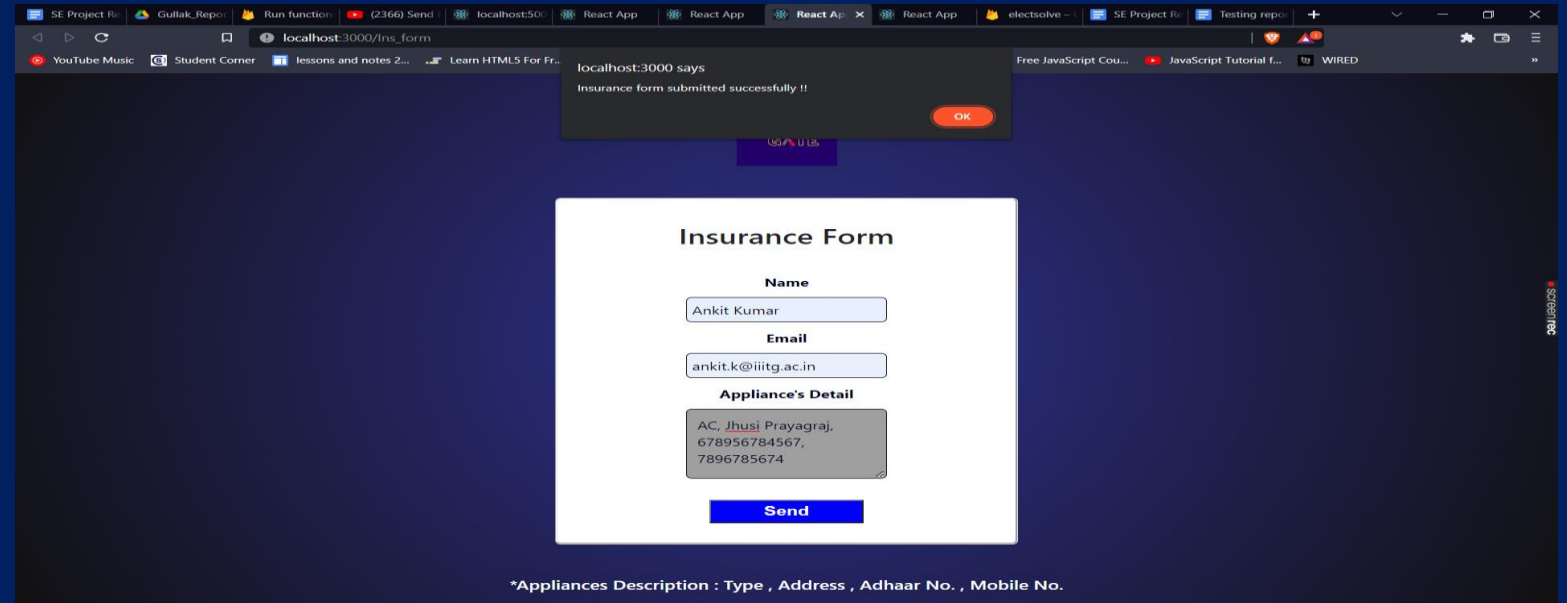
The screenshot shows the Firebase console interface. The breadcrumb navigation indicates the path: `electsolve-521ce > contacts > yxpnCKomCYyiZKk561Tm`. The left sidebar shows the project structure with 'contacts' selected. The main area displays the document details for 'yxpnCKomCYyiZKk561Tm' within the 'contacts' collection. The document contains the following fields:

Field	Value
email	"ankit.k@iiitg.ac.in" (string)
message	"AQ, 211019 Prayagraj, 78695676789, 67895675647,6789567878"
name	"ankit"

At the bottom, it states: "Cloud Firestore location: nam5 (us-central)".

INSURANCE OF PRODUCTS:

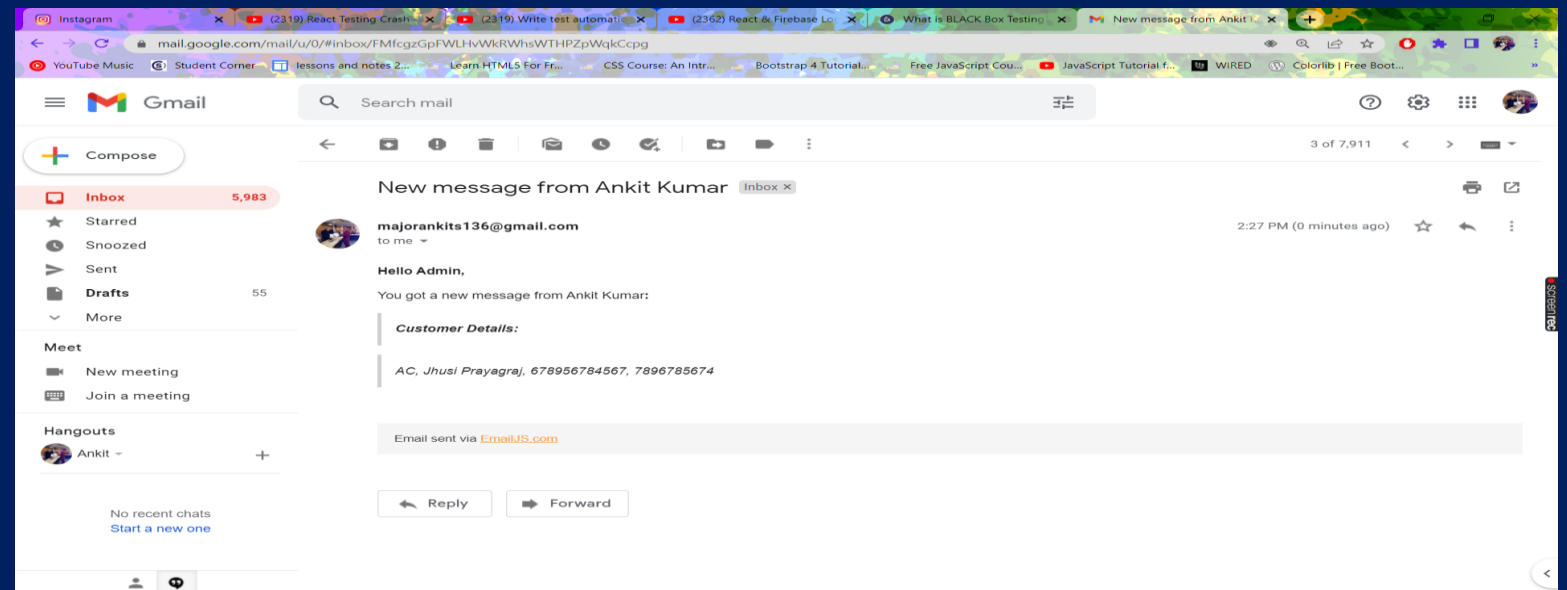
When users want to insurance of her/his products then he/she will fill up insurance form and submit it after that Admin will get this information by his email.



The screenshot shows a web browser window with multiple tabs. The active tab is 'localhost:3000/ins_form'. A dark overlay message at the top says 'localhost:3000 says Insurance form submitted successfully !!' with an 'OK' button. Below this is the 'Insurance Form' with the following fields:

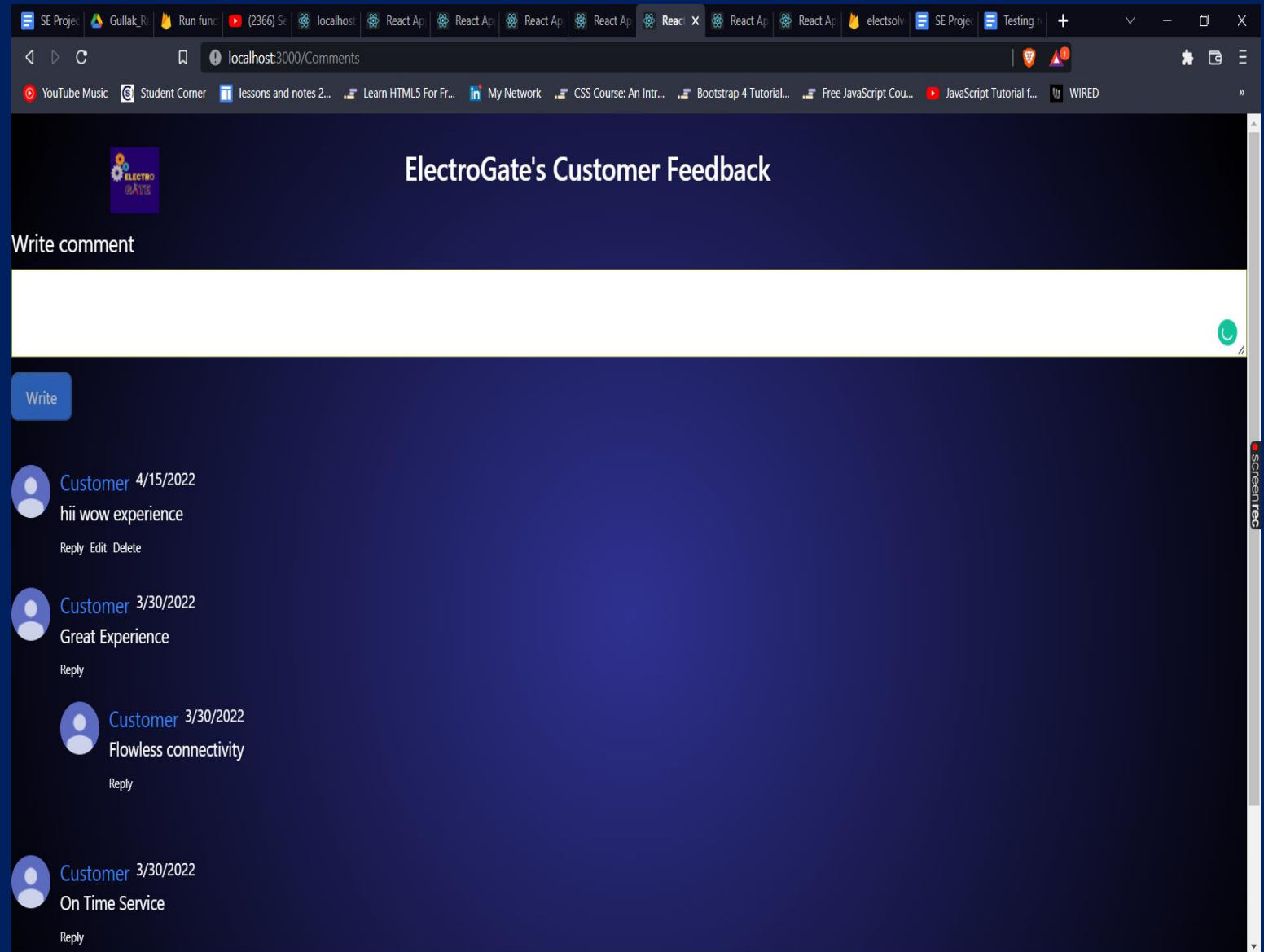
- Name:** Ankit Kumar
- Email:** ankit.k@iiitg.ac.in
- Appliance's Detail:** AC, Jhushi Prayagraj, 678956784567, 7896785674

A 'Send' button is at the bottom of the form. Below the form, a note reads: '*Appliances Description : Type , Address , Adhaar No. , Mobile No.'



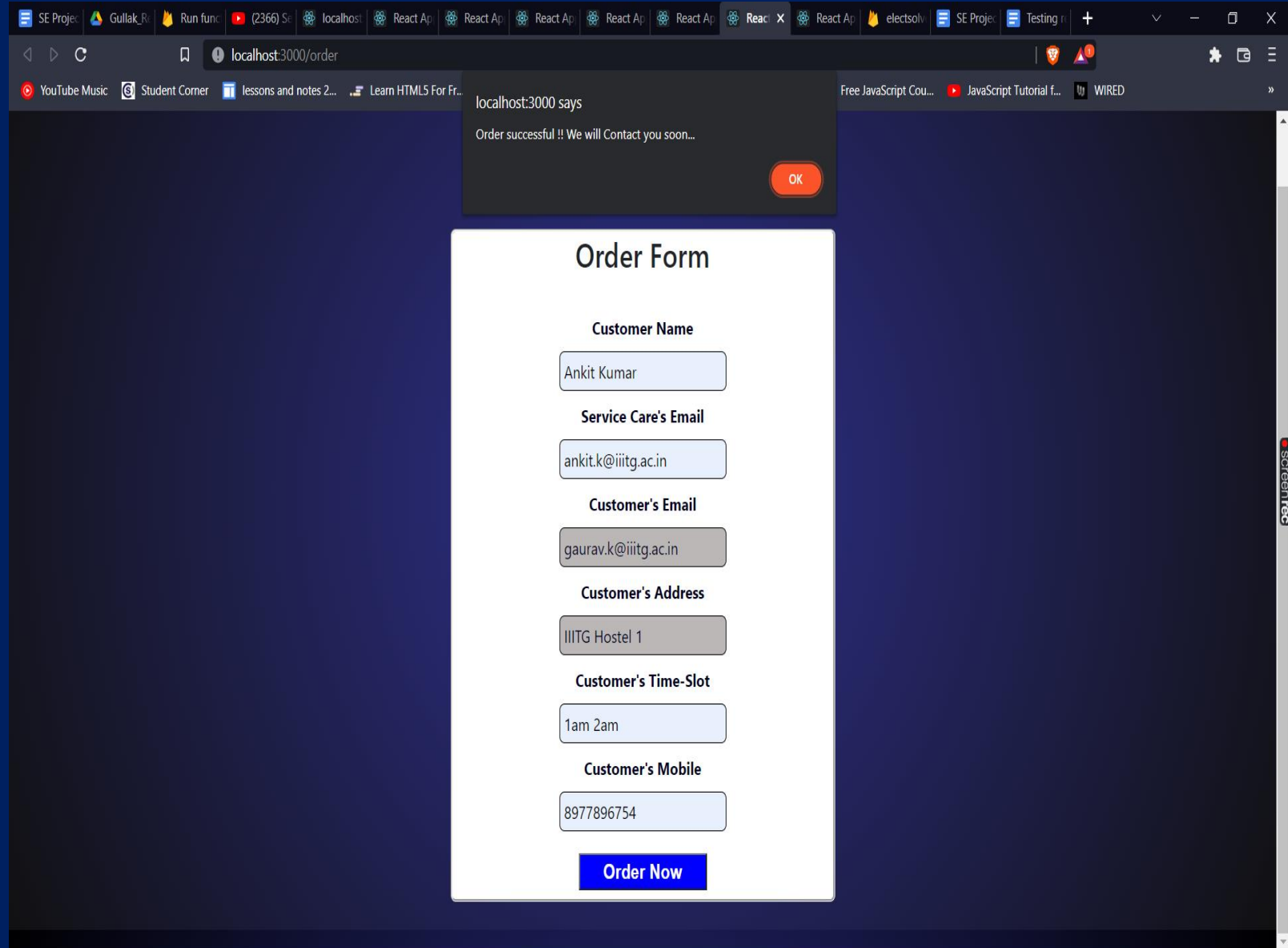
FEEDBACK:

When users want to feedback our service then he/she will post review, reply on others reviews and also update her/his comments.



BOOK SERVICE:

When users want to book any service he/she can easily find out right person by searching then fill up the order form and her/his order details will be send by mail to admin and related service care.

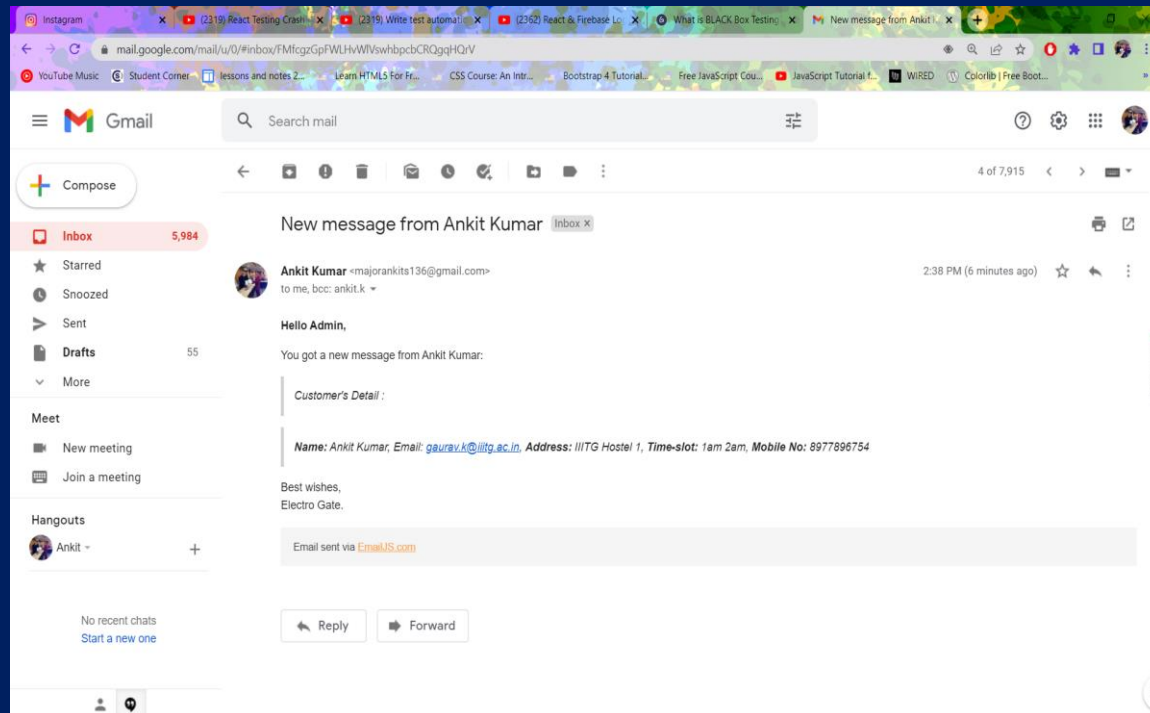


The screenshot shows a web browser window with the address bar displaying `localhost:3000/order`. A dark overlay message from `localhost:3000` states: "Order successful !! We will Contact you soon..." with an "OK" button. Below this, a white "Order Form" is displayed on a dark blue background. The form contains the following fields:

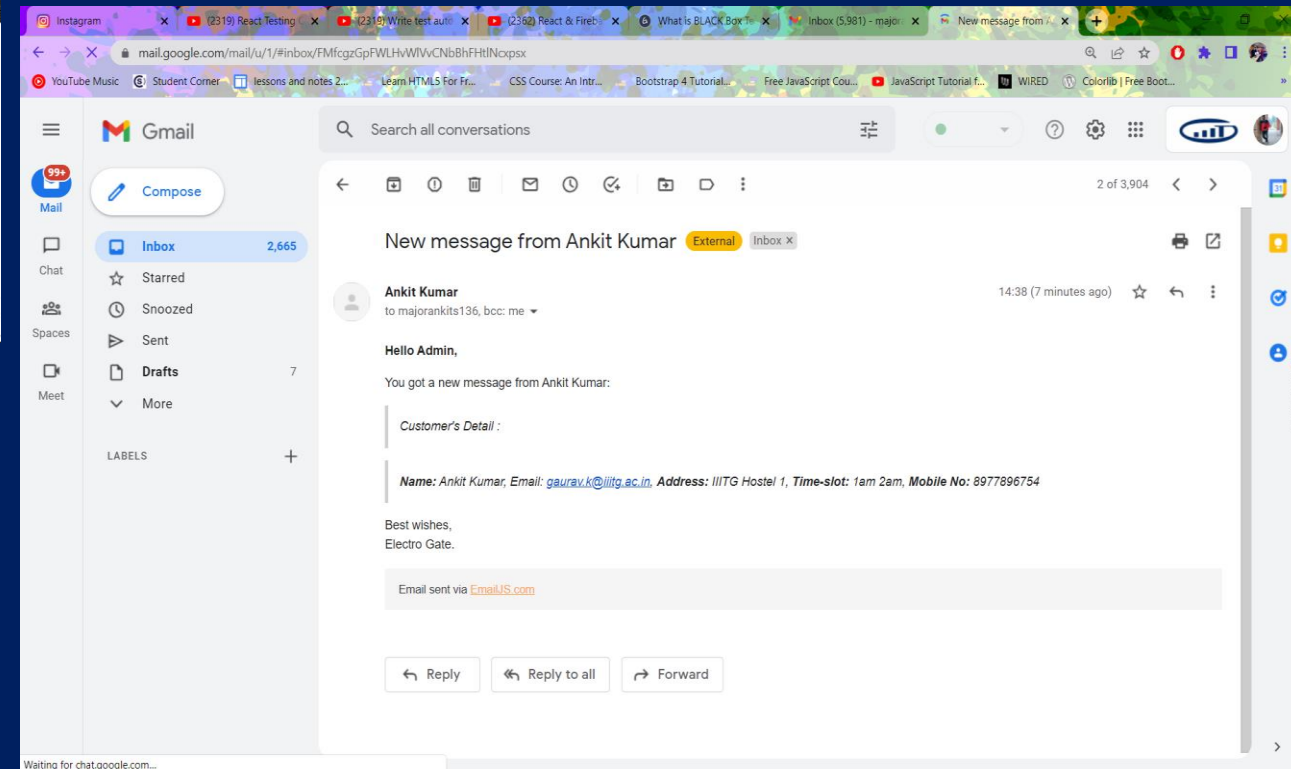
- Customer Name**:
- Service Care's Email**:
- Customer's Email**:
- Customer's Address**:
- Customer's Time-Slot**:
- Customer's Mobile**:

At the bottom of the form is a blue button labeled "Order Now".

Admin side email received



Service-Care side email received



TIME SLOT :

When users want to book any service he/she can easily find right person and choose her/his time-slot for service by fill up order form.

localhost:3000 says
Order successful !! We will Contact you soon... OK

Order Form

Customer Name
Ankit Kumar

Service Care's Email
ankit.k@iiitg.ac.in

Customer's Email
gaurav.k@iiitg.ac.in

Customer's Address
IIITG Hostel 1

Customer's Time-Slot
1am 2am

Customer's Mobile
8977896754

Order Now

EXPLORE TECH BLOGS :

When users want to connect with future technologies then he/she can come to our “Blog” section where she/he can find the news of latest tech.

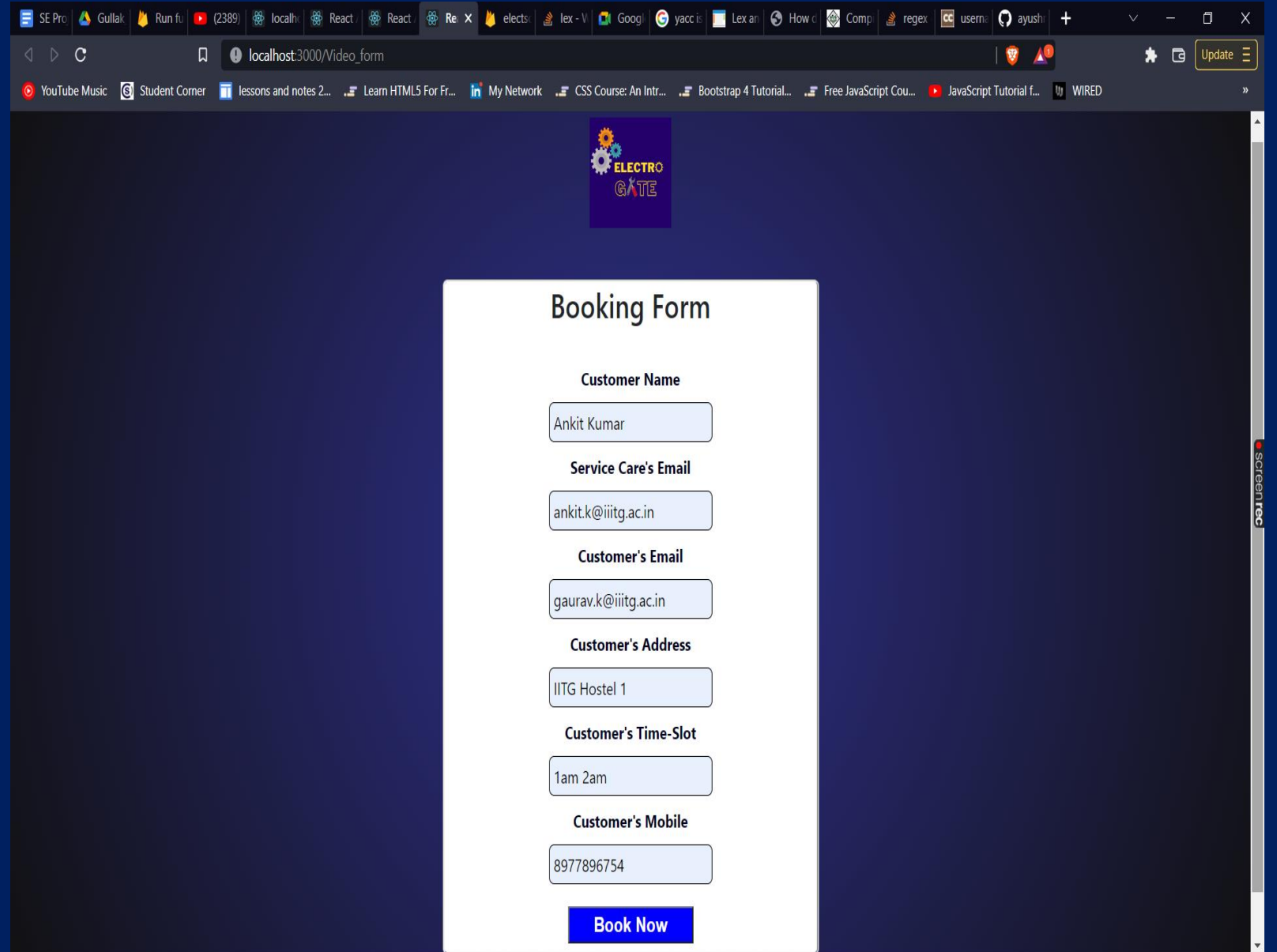
The screenshot shows a web browser window with the address bar displaying 'localhost:3000/Blog'. The browser's tab bar includes various open tabs such as 'SE Proj', 'Gullak', 'Run fu...', '(2389)', 'localho...', 'Re: X', 'electro...', 'lex - W', 'Google', 'yacc is', 'Lex an...', 'How d...', 'Compil', 'regex -', 'userma...', 'GitHu...', 'Age Ca', and a '+' icon for more tabs. The browser's address bar shows 'localhost:3000/Blog'. The page's header features a search bar, a user profile 'Hello ankit.k@mitg.ac.in', and links for 'Sign Out', 'Register As Professional', and 'Your Blog'. The main content area is titled 'Articles' and displays three featured articles:

- AC Technology**: Latest Air Conditioner Technologies in India – Review 2022. Author: Rishab Kumar, Jan 14, 2022. The image shows a person in an orange shirt working on an air conditioner.
- New Refrigerator**: Refrigerators Price List in India. Author: Priya Kumar, Feb 14, 2022. The image shows a modern refrigerator.
- Macbook New Technologies**: Apple unveils game-changing MacBook Pro. Author: Sol smith, March 10, 2022. The image shows four MacBook Pro laptops of different sizes (13", 14", 16", and 16" (Intel)).

Below these articles, there is a partial view of a fourth article featuring a bowling ball and pins.

VIDEO CALL WITH BEST CONSULTANT:

When users want to just consult with service care via "Video Call" then he/she can fill up form on her/his time slot and then service-care and Admin will receive mail regarding this then he/she will contact with that person on that time.



Booking Form

Customer Name
Ankit Kumar

Service Care's Email
ankit.k@iiitg.ac.in

Customer's Email
gaurav.k@iiitg.ac.in

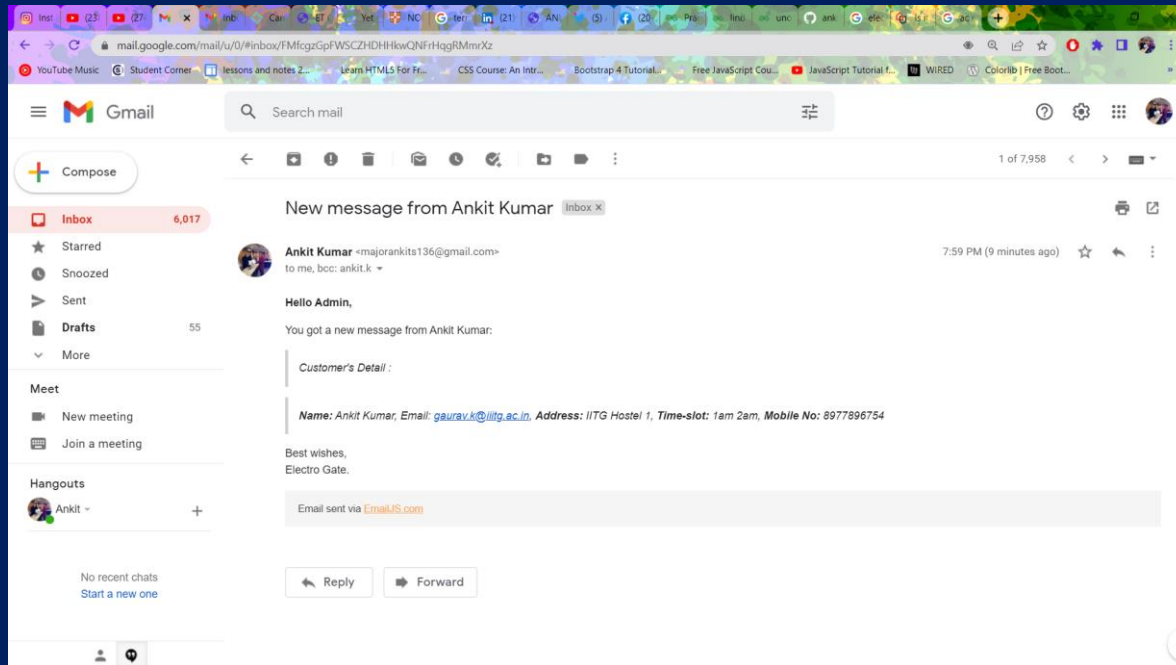
Customer's Address
IITG Hostel 1

Customer's Time-Slot
1am 2am

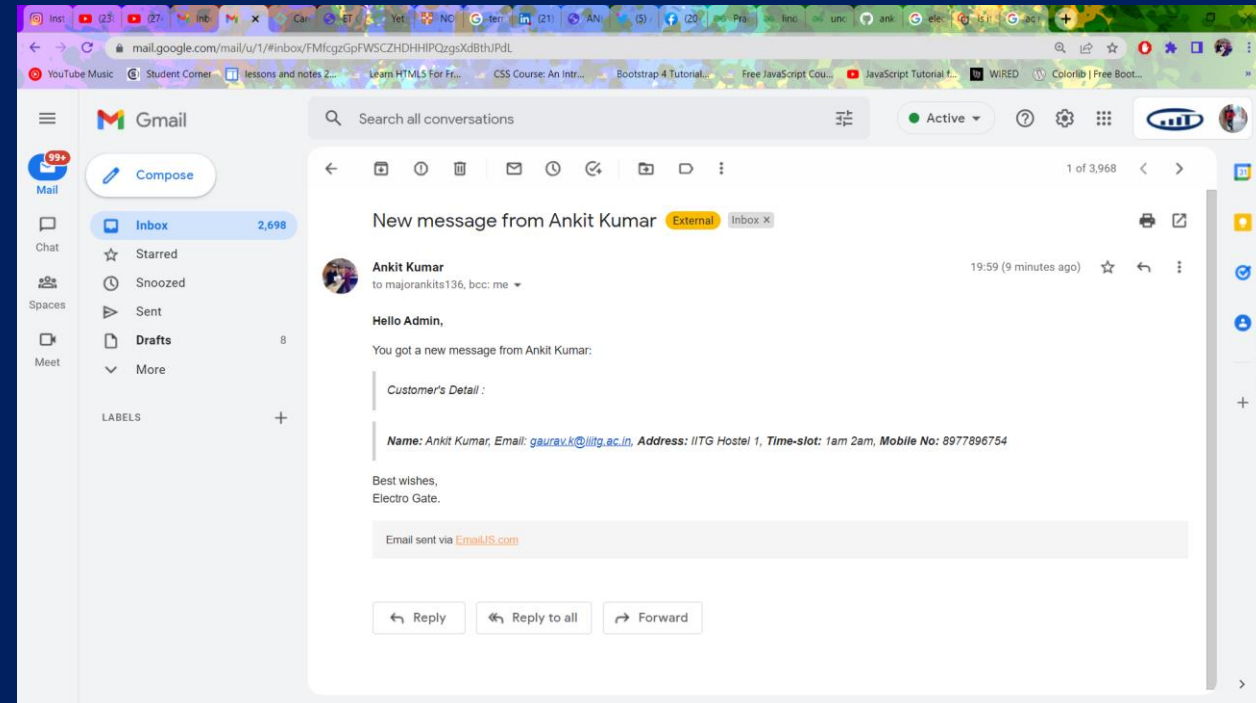
Customer's Mobile
8977896754

Book Now

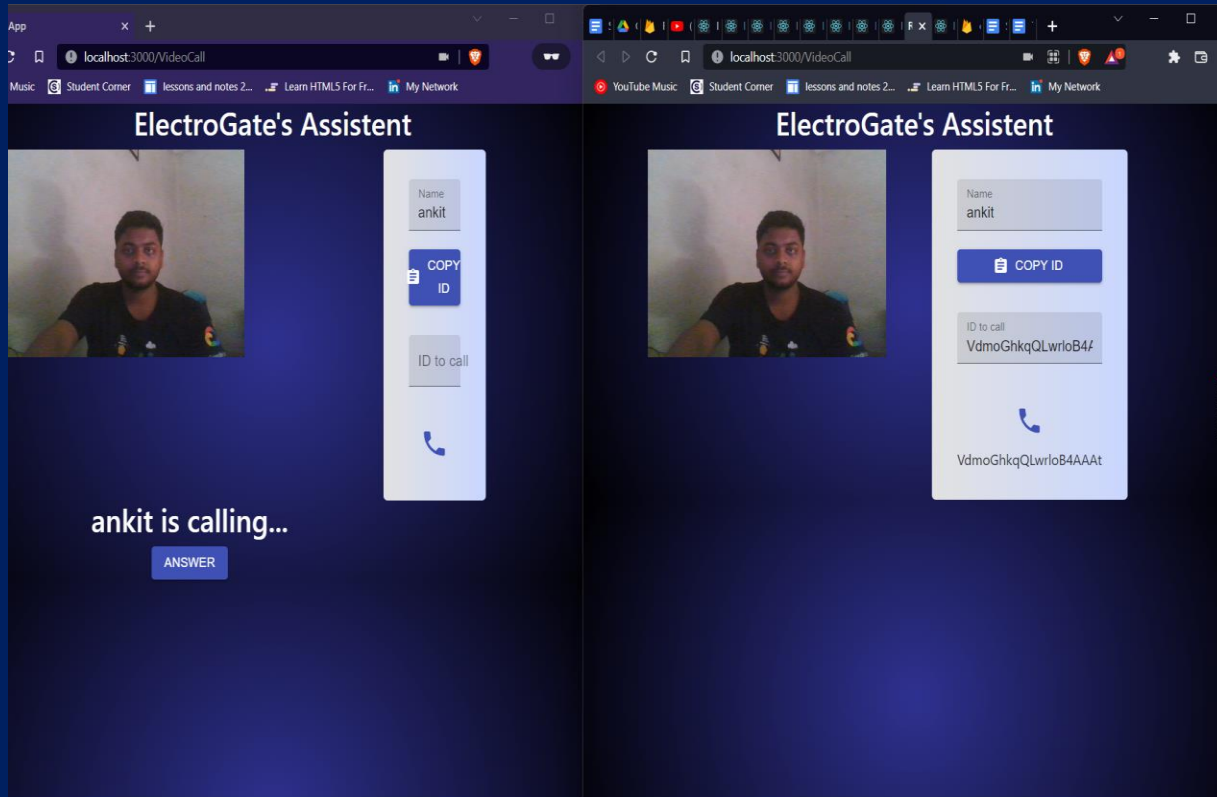
Admin side email received



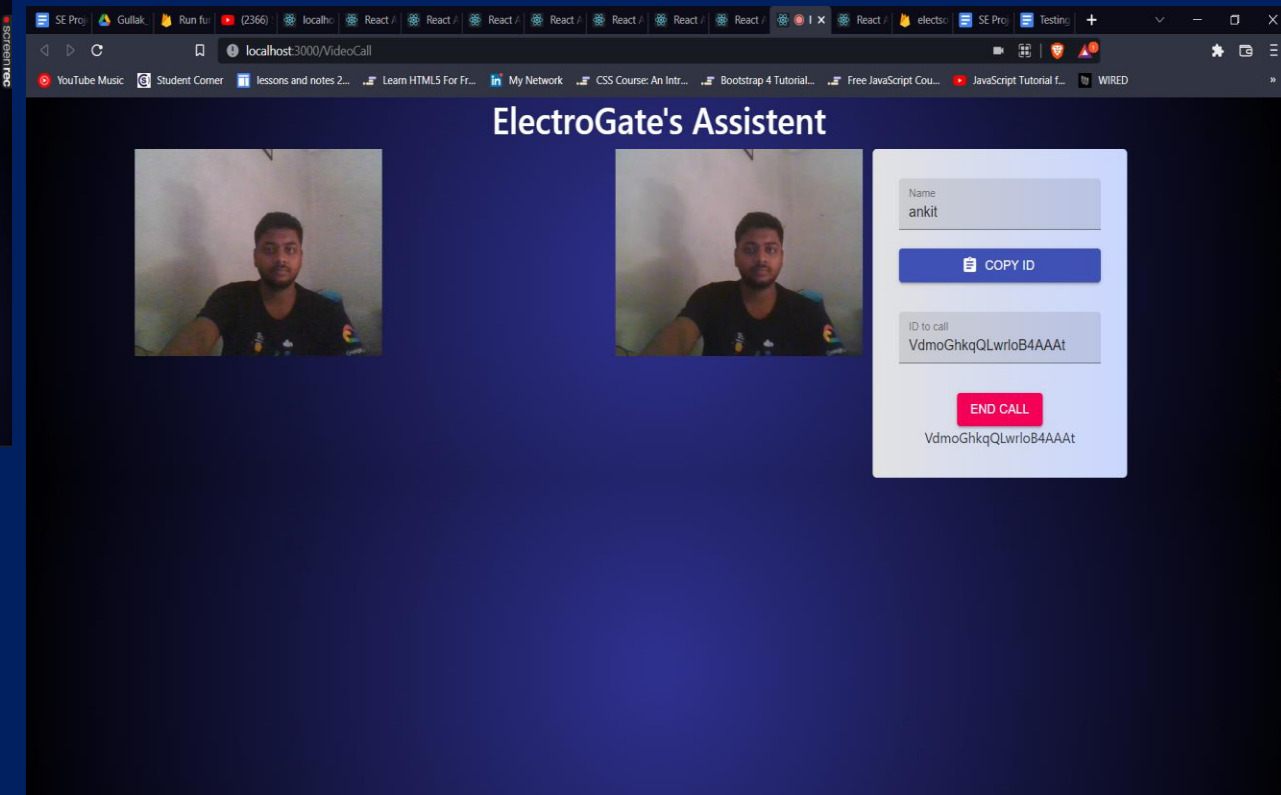
Service-care side email received



Video-call ringing



Video-call received

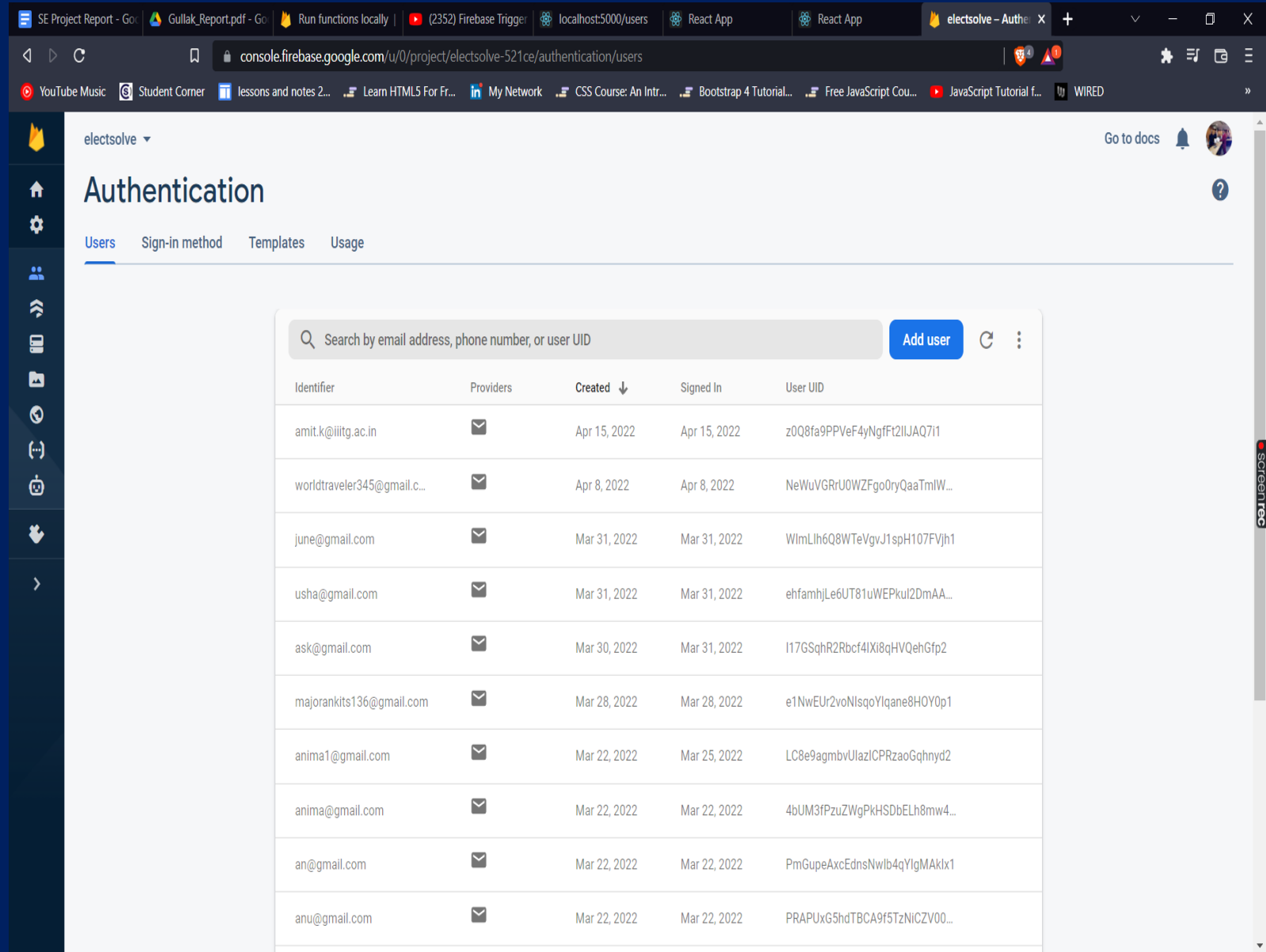


NON- FUNCTIONAL REQUIREMENTS:

1. Secure access of confidential data (user's details).
2. Maximum time availability.
3. Service provider registration can only be accessed by administrators only.
4. Time to time update of website for smooth service of users.
5. Maintainability, Manageability, Reliability, Usability.

SECURED USER'S DETAILS:

When users logged-in then his/her details reflected on Admin database only.

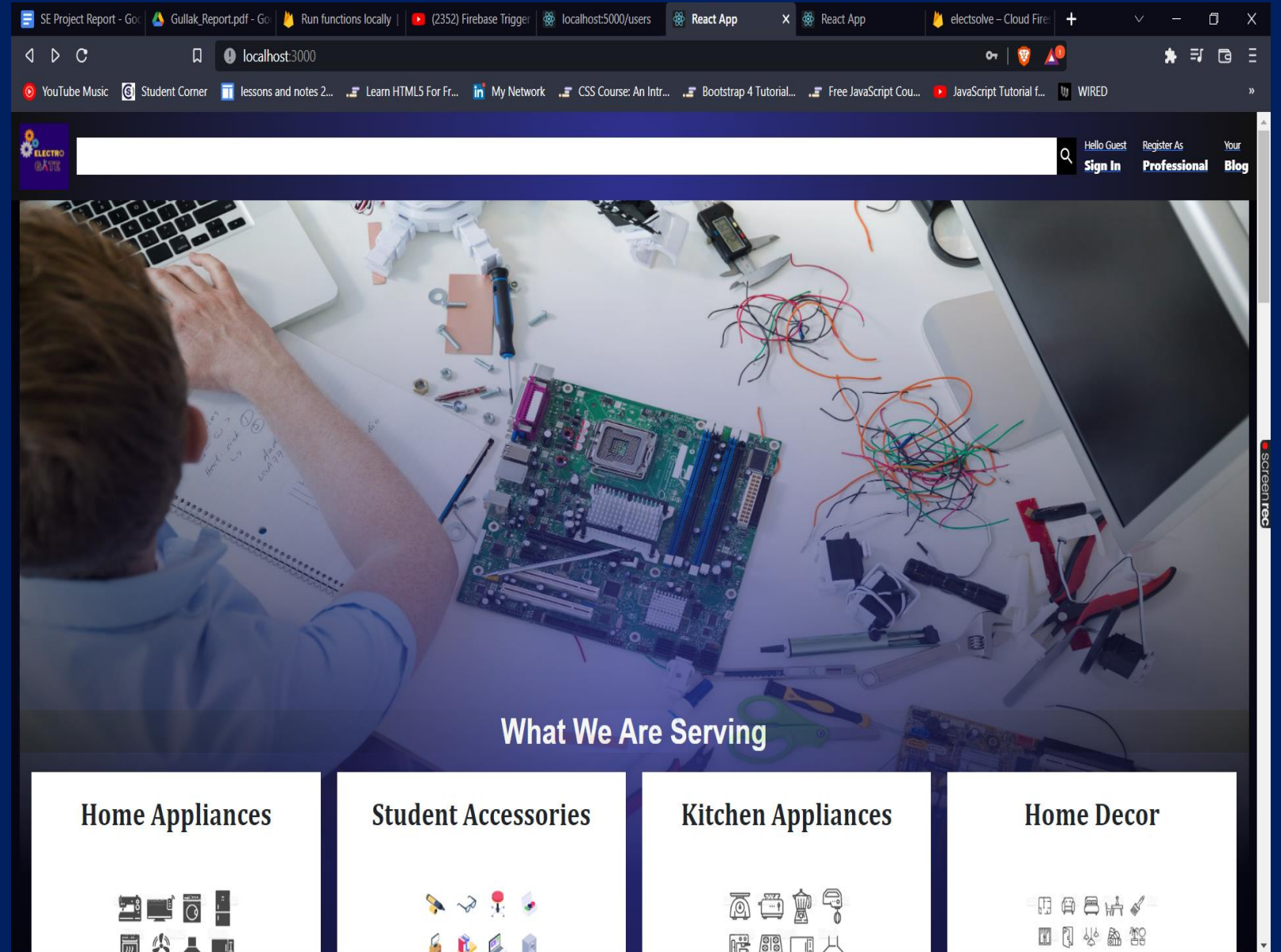


The screenshot displays the Firebase Authentication console for the project 'electsolve'. The 'Users' tab is selected, showing a list of users with columns for Identifier, Providers, Created, Signed In, and User UID. The list contains 10 users, all with email providers. A search bar at the top allows filtering by email address, phone number, or user UID. An 'Add user' button is visible in the top right of the table area.

Identifier	Providers	Created ↓	Signed In	User UID
amit.k@iiitg.ac.in	📧	Apr 15, 2022	Apr 15, 2022	z0Q8fa9PPVeF4yNgfFt2IIJAQ7i1
worldtraveler345@gmail.c...	📧	Apr 8, 2022	Apr 8, 2022	NeWuVGRrU0WZFgo0ryQaaTmlW...
june@gmail.com	📧	Mar 31, 2022	Mar 31, 2022	WlmLih6Q8WTeVgvJ1spH107FVjh1
usha@gmail.com	📧	Mar 31, 2022	Mar 31, 2022	ehfamhjLe6UT81uWEPkul2DmAA...
ask@gmail.com	📧	Mar 30, 2022	Mar 31, 2022	I17GSqrR2Rbcf4IXi8qHVQehGfp2
majorankits136@gmail.com	📧	Mar 28, 2022	Mar 28, 2022	e1NwEUr2voNlspoYlqane8HOY0p1
anima1@gmail.com	📧	Mar 22, 2022	Mar 25, 2022	LC8e9agmbvUlazICPRzaoGqhnyd2
anima@gmail.com	📧	Mar 22, 2022	Mar 22, 2022	4bUM3fPzuZWgPkHSDbELh8mw4...
an@gmail.com	📧	Mar 22, 2022	Mar 22, 2022	PmGupeAxcEdnsNwlb4qYlgMAklx1
anu@gmail.com	📧	Mar 22, 2022	Mar 22, 2022	PRAPUxG5hdTBCA9f5TzNICZV00...

MAXIMUM TIME AVAILABILITY:

We provide 24*7 door
step availability for
customer.



REGISTRATION DATA ACCESSED BY ONLY ADMINISTRATORS:

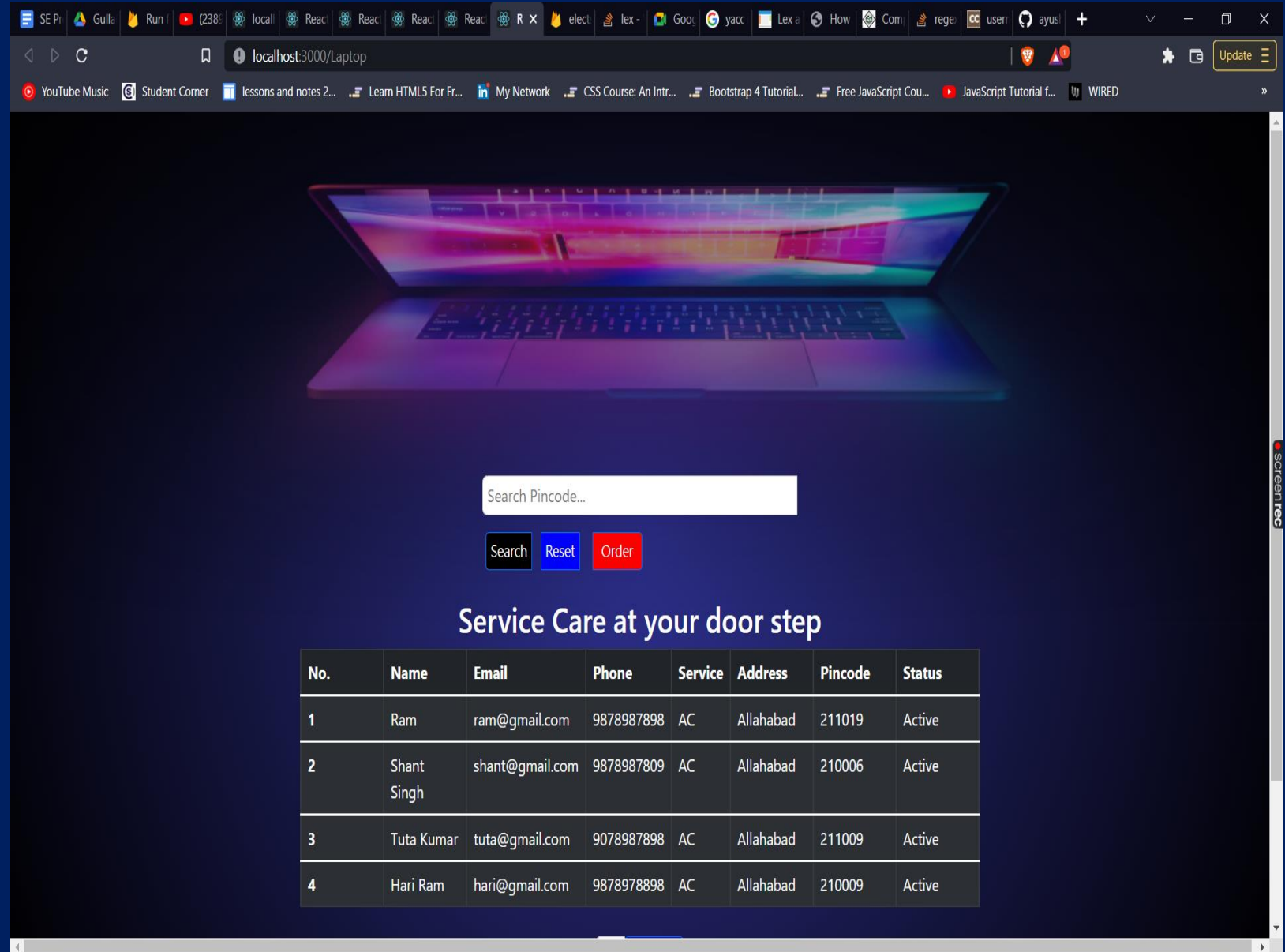
When users filled
registration form then
their data reflected on
Admin database only.

The screenshot displays the Firebase Cloud Firestore console interface. The browser's address bar shows the URL: `console.firebase.google.com/u/0/project/electsolve-521ce/firestore/data/~2Fcontacts~2FyxpncKComCYyiZKk561Tm`. The console header indicates the project is 'electsolve' and the database is 'Cloud Firestore'. The left sidebar contains navigation icons for home, settings, users, collections, documents, security rules, and sharing. The main content area shows a breadcrumb path: `contacts > yxpncKComCYyiZKk561Tm`. Below this, there are three panels. The left panel shows the 'electsolve-521ce' project with a '+ Start collection' button and a list of collections, including 'contacts'. The middle panel shows the 'contacts' collection with a '+ Add document' button and a list of document IDs, including 'yxpncKComCYyiZKk561Tm'. The right panel shows the details of the selected document, with a '+ Start collection' button, a '+ Add field' button, and a list of fields: 'email' (value: 'ankit.k@iiitg.ac.in'), 'message' (value: 'AC, 211019 Prayagraj, 78695676789, 67895675647, 6789567878'), and 'name' (value: 'ankit'). At the bottom of the console, it states 'Cloud Firestore location: nam5 (us-central)'.

Project	Collection	Document ID	Fields
electsolve-521ce	contacts	yxpncKComCYyiZKk561Tm	<ul style="list-style-type: none">email: "ankit.k@iiitg.ac.in"message: "AC, 211019 Prayagraj, 78695676789, 67895675647, 6789567878"name: "ankit"

TIME TO TIME WEBSITE UPDATING:

To provide better user experience our team work on different parts of website to make it smooth.



Search Pincode...

Search Reset Order

Service Care at your door step

No.	Name	Email	Phone	Service	Address	Pincode	Status
1	Ram	ram@gmail.com	9878987898	AC	Allahabad	211019	Active
2	Shant Singh	shant@gmail.com	9878987809	AC	Allahabad	210006	Active
3	Tuta Kumar	tuta@gmail.com	9078987898	AC	Allahabad	211009	Active
4	Hari Ram	hari@gmail.com	9878978898	AC	Allahabad	210009	Active

CONTRIBUTIONS:

Ankit Kumar :

Frontend –

- i) Home page
- ii) Client page
- iii) About page
- iv) Insurance main page
- v) Registration form page
- vi) Book video-call first page
- vii) Student accessories with all 6 pages

Backend –

- i) Connect Fake Rest API (db.json) to frontend and searching methods.
- ii) Insurance-form email system
- iii) Order-form email system
- iv) Video-call booking-form email system

Documents –

- i) SRS, DFD and Use-Case Diagram.
- ii) Testing Report.

CONTRIBUTIONS:

Gaurav Kumar :

Frontend –

- i) Blog page
- ii) Team page
- iii) Sign-in/sign-up page
- iv) Video-call main page
- v) Home appliances with all 6 pages

Backend –

- i) Sign-in/Sign-up connect with firebase.
- ii) Connect video-call client and server.

Documents –

- i) SRS, DFD and Use-Case Diagram.
- ii) Testing Report.

CONTRIBUTIONS:

Harsh Yadav:

Frontend –

- i) Warranty page
- ii) Anti discrimination policy page
- iii) Video-call booking-form page
- iv) Kitchen appliances with all 6 pages

Backend –

- i) Connect Registration form with firebase.
- ii) Feedback backend work.

Documents –

- i) SRS, DFD and Use-Case Diagram.
- ii) Testing Report.

CONTRIBUTIONS:

Arpit Pratap:

Frontend –

- i) Feedback page
- ii) Order-form page
- iii) Insurance-form page
- iv) Home decor with all 6 pages

Backend –

- i) Connect Testimonial frontend page with data.js.

Documents –

- i) SRS, DFD and Use-Case Diagram.
- ii) Testing Report.



SOFTWARE TOOLS AND DEPLOYMENT:

Database Server –
Firebase

Client –
Any web browser

Development Tools –
Microsoft VS Code, Sublime text.

Programming Language –
NodeJS, ReactJS, Express.

Operating System Server –
Window 7/8/10/11, Linux, UNIX

**GRATEFUL
TO YOU**

Team ElectroGate

