

Summer Internship Project

Report

On

Appointment Booking System

Developed By: -
Dhruv
Sutail
(18162101031)

Guided By:-
Prof. Tanvi Puri(Internal)
Mr. Nitin Patel (External)

Submitted to
Department of Computer Science &
Engineering Institute of Computer
Technology



Year: 2020



CERTIFICATE

This is to certify that the Summer Internship Project work entitled “**Appointment Booking System**” by **Dhruv Sutail (18162101031)** of Ganpat University, towards the fulfilment of requirements of the degree of Bachelor of Technology – Computer Science and Engineering, carried out by them in the CSE (CBA/BDA/CS) Department at **Megh Technologies Private Limited**. The results/findings contained in this Project have not been submitted in part or full to any other University / Institute for an award of any other Degree/Diploma.

Name & Signature of Internal Guide

Name & Signature of Head

Place: ICT

- GUNI

Date:

ACKNOWLEDGEMENT

Summer Internship project is a golden opportunity for learning and self-development. I consider myself very lucky and honored to have so many wonderful people lead me through in the completion of this project. First and foremost, I would like to thank **Dr. Hemal Shah**, Principal, ICT, who gave us opportunity to undertake this project. My thanks to **Prof. Rahul Shrimali & Mr. Nitin Patel (External Guide)** for their guidance in project work **Appointment Booking System**, who despite being extraordinarily busy with academics, took time out to hear, guide and keep us on the correct path. We do not know where it would have been without his/her help. The CSE department monitored our progress and arranged all facilities to make life easier. We choose this moment to acknowledge their contribution gratefully.

Our Services:

- ★ Website Designing and Development ★ Website Redesigning
- ★ Website Application & e-Commerce Solutions ★ Open Source Customization
- ★ Domain Registration and Hosting ★ Search Engine Optimization



MeghTechnologies
Inspired Technology

Monday 21st July 2020

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform you that **Dhruv Sutail** Roll No: 18162101031 from Ganpat University – Institute has successfully completed his internship at Megh Technologies from 8/6/2020 to 20/7/2020.

During the tenure with us, we found **Dhruv Sutail** sincere and result oriented. He has good skill of project understanding and planning, this is very valuable skill in our point of view.

We wish him all the very best in his future endeavours.

Regards,
Nitin Patel

(founder & CEO)

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ABSTRACT

This is a maturely planned framework for clients to book an arrangement on the web. This encourages the client to book an arrangement with no hustle of the calls and heading off to that specific spot. These days where everything is on the web, individuals depend more into completing their work rapidly and all the more effectively. This framework is a finished bundle of the considerable number of functionalities that are required by an individual to book a meeting easily.

Investigating the current pandemic circumstance this framework comes exceptionally convenient with its highlights that assist us with keeping up social removing and furthermore complete our work then again. This speaks to an ideal utilization of database frameworks which encourages us store information that are required and are later used to take certain activities.

CHAPTER: 1 INTRODUCTION

CHAPTER 1 INTRODUCTION

This is an Appointment Booking system which is very keenly designed for the sole purpose of allowing users to Book an appointment without leaving the comfort of their Houses. This system provides all the General Functionalities that the User and the System Admin Requires.

In Terms of User Experience Includes a Sign-Up and Sign-In capabilities. Apart From that this System holds the Users Data very delicately which at the end helps the admin to carry on the Further Functionalities.

On the Other Hand the admin has the Entire View of the System where admin can see the all the Users Registered. Also can add the Appointment if required and also has the rights to add any department and delete them if no further requirements. Admin can also delete the Appointment and can also change the User Type of the Registered Users. As Users are divided in 2 Categories i.e. Admin and Customers.

Apart from all of the above functionalities this system also provides a add-on feature of notifying the users on booking an appointment via Email with a barcode attached for their confirmation during their on site visit. If the users feels to cancel on any appointment they can do the same with in the same email sent to them through a cancellation link.

Advantages of Appointment Booking System are:

- More noteworthy deals and promoting collaboration
- A cutting edge way to deal with booking
- You get important understanding about your business.
- A web based booking framework will decrease flake-outs.
- Open all day, every day for appointments.
- Lessen the measure of time you spend planning and playing telephone tag with customers
- Programmed examination help you break down what works and what doesn't

CHAPTER: 2 PROJECT SCOPE

CHAPTER 2 PROJECT SCOPE

The Appointment Booking System is the Solution to Current Scenario of the pandemic where the People need to maintain Social Distancing and avoid gatherings at a Single Place. This allows people to book their Appointments According to the Maximum Appointments Defined by a particular Department and Sub Department. So this will reduce the gatherings of the people and will also consume less time and efforts of customers as they don't need to wait.

This fuels the future business market that is now being pushed more and more on the internet!!!

CHAPTER: 3 SOFTWARE AND HARDWARE REQUIREMENTS

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Minimum Hardware Requirements

Processor	2.0 GHz
RAM	4GB
HDD	1TB

Table 3.1 Minimum Hardware Requirements

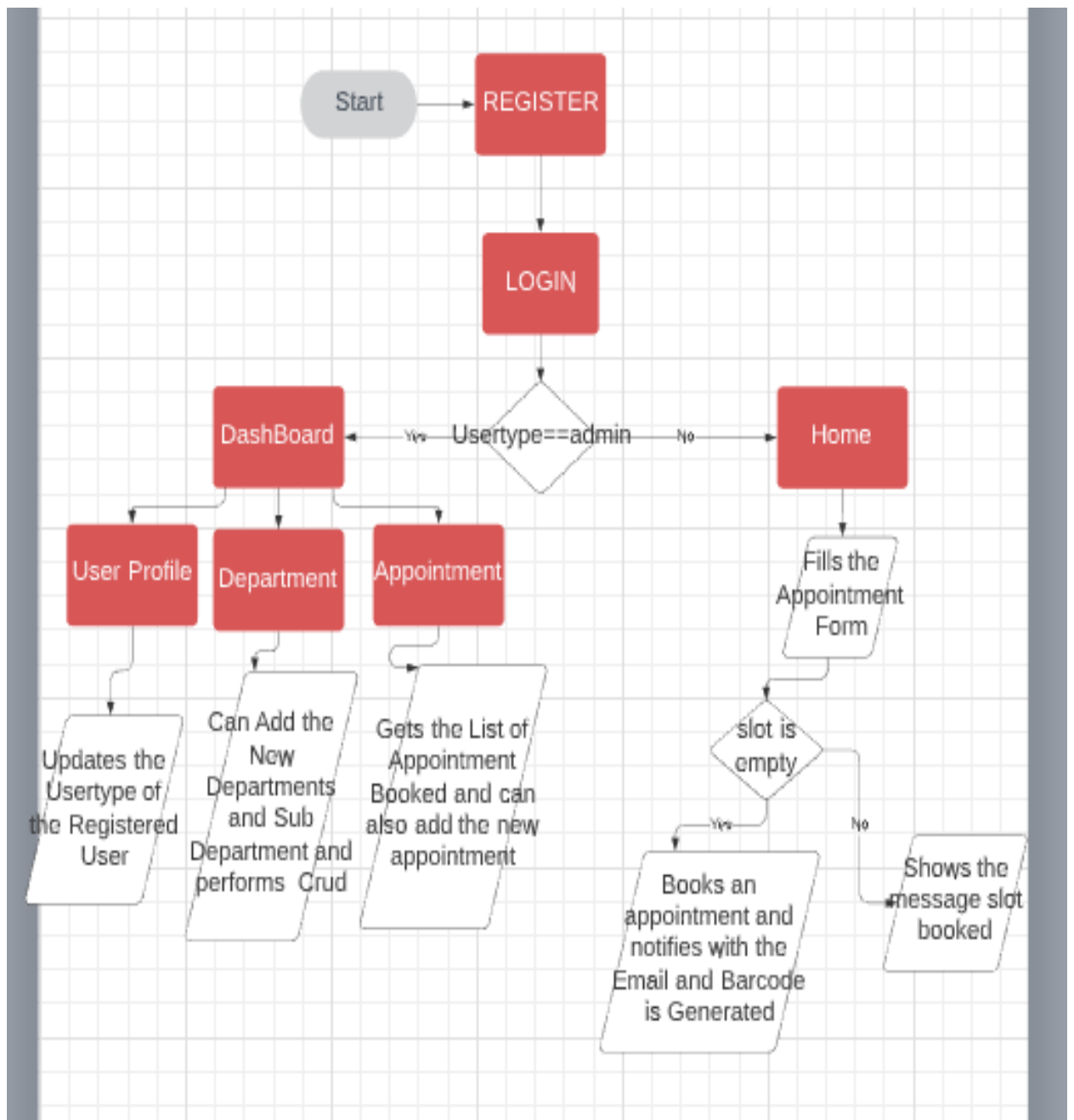
Minimum Software Requirements

Operating System	Any operating system which can support an internet browser.
Programming language	-
Other tools & tech	Internet browser

Table 3.2 Minimum Software Requirements

CHAPTER: 4 PROCESS MODEL

CHAPTER 4 PROCESS MODEL



CHAPTER: 5 PROJECT PLAN

CHAPTER 5 PROJECT PLAN

Throughout this summer internship, I was given a Project to build and Design an Appointment Booking System within the span of 6 weeks.

So, here's my divided work of 6 weeks:

I designed the whole front-end and the back-end.

Week 1:

I started with the laravel Framework. As I was new with the framework I initially installed the laravel and then I read the documentations of the framework as how it works. Then watched the YouTube tutorials regarding the CRUD operations in laravel and now working on the first functionality that has to be done in the project.

Week 2:

I have started with admin panel and also work on the user type Functionality and also doing with the Dashboard. And simultaneously work on the Bootstrap and the Design of the Site.

Week 3:

I have completed the user profile in the Admin panel, as if the user type is not admin it redirects to the Normal page and if it is admin then to dashboard through the Auth. Also the admin can update the status of the user and also delete it if needed. Now started on the Appointments portion as it can fetch the data from the DB and admin can also add the Appointment if required and currently working on the CRUD operation on the Appointments Section.

Week 4:

I have completed entire Admin panel including appointments, departments and the Dashboard. The Entire Dashboard is Dynamic as it update when there is any change in the Appointments, users or departments. Now Currently I am working on the Barcode Generation and the Email Sending to the Registered User.

Week 5:

I have Completed with email and barcode is generated but still working on the barcode as it has to be attached with the email .Will be Completing within this week and will now switch on the Designing of the website in Coming week.

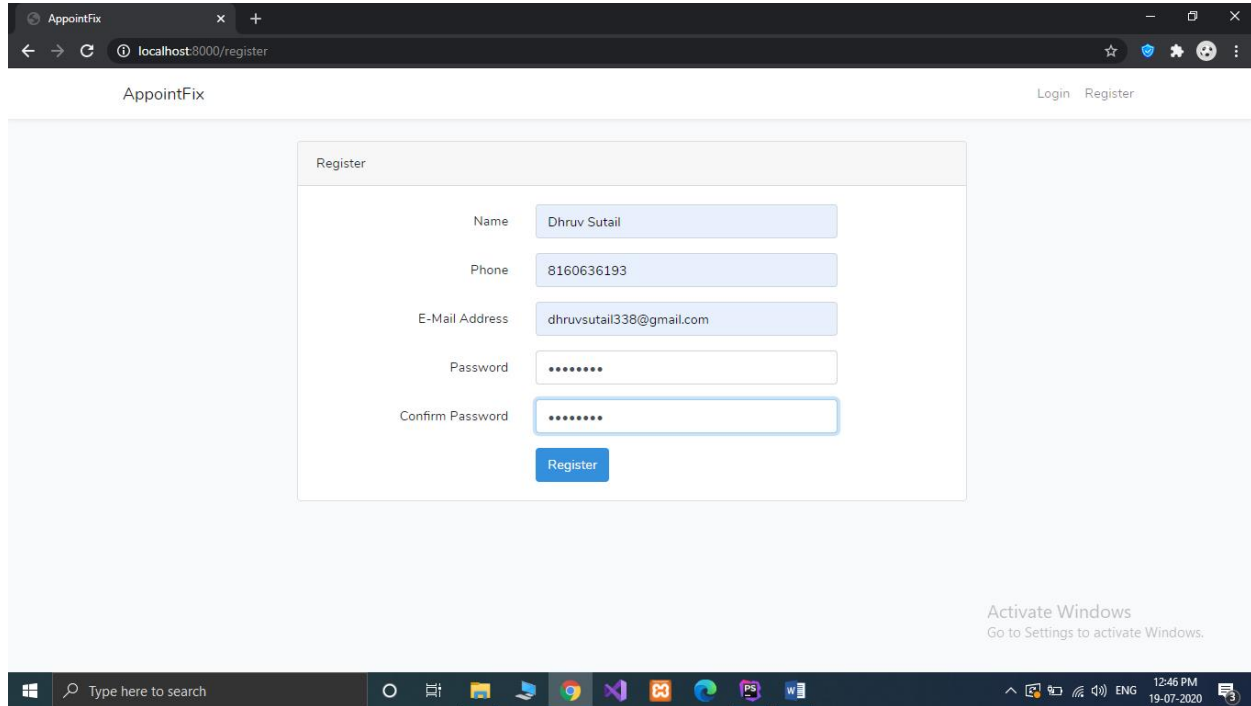
Week 6:

Completed with the Barcode Generation and also worked on the designing of the website and tested the system and fixed the minor issues of the System.

CHAPTER: 6 IMPLEMENTATION DETAILS

Module 1: Sign Up and Sign In

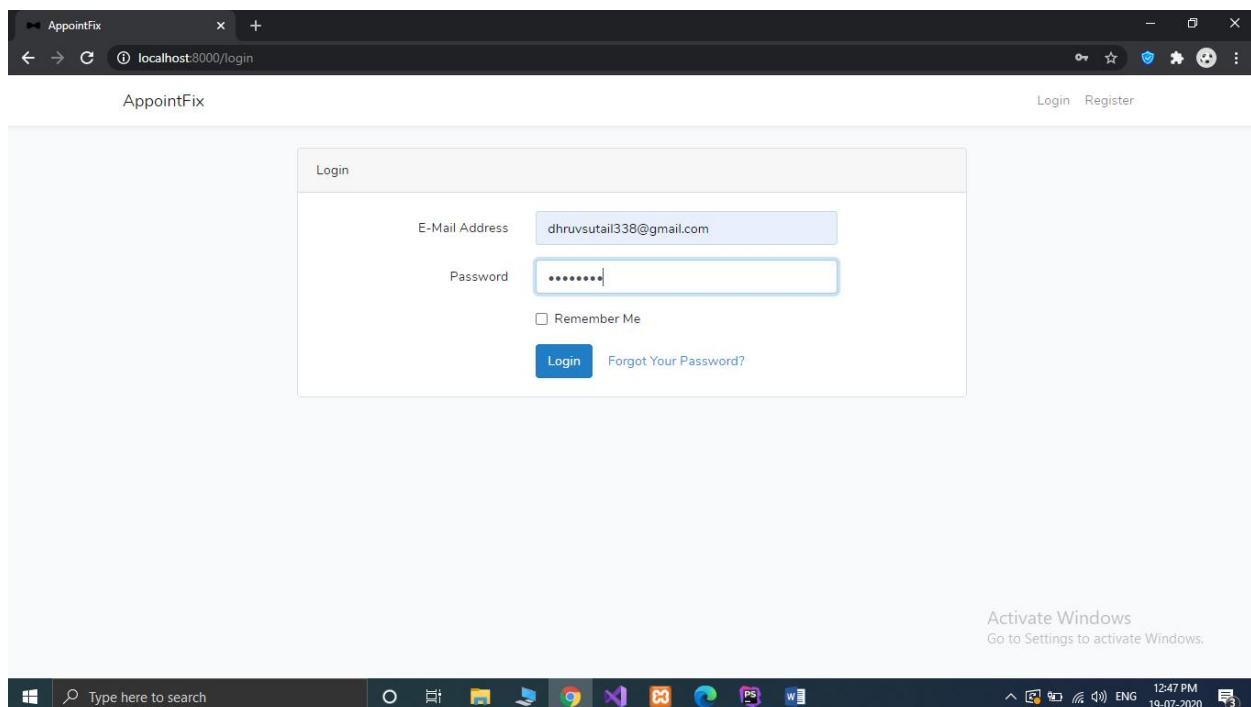
In this Module Initially User has Register First Then Depending on the User Type it redirects to the respective Pages. Null Value is Stored in User Type field at time of Registration and then the Admin can Change the Value of the User Type by Deciding whether the registered User is Customer or a new Admin.



The screenshot shows a web browser window with the URL `localhost:8000/register`. The page title is "AppointFix" and there are links for "Login" and "Register". The "Register" form is displayed with the following fields:

- Name: Dhruv Sutail
- Phone: 8160636193
- E-Mail Address: dhruvsutail338@gmail.com
- Password: (masked with dots)
- Confirm Password: (masked with dots)

A blue "Register" button is located at the bottom of the form. An "Activate Windows" watermark is visible in the bottom right corner of the page.

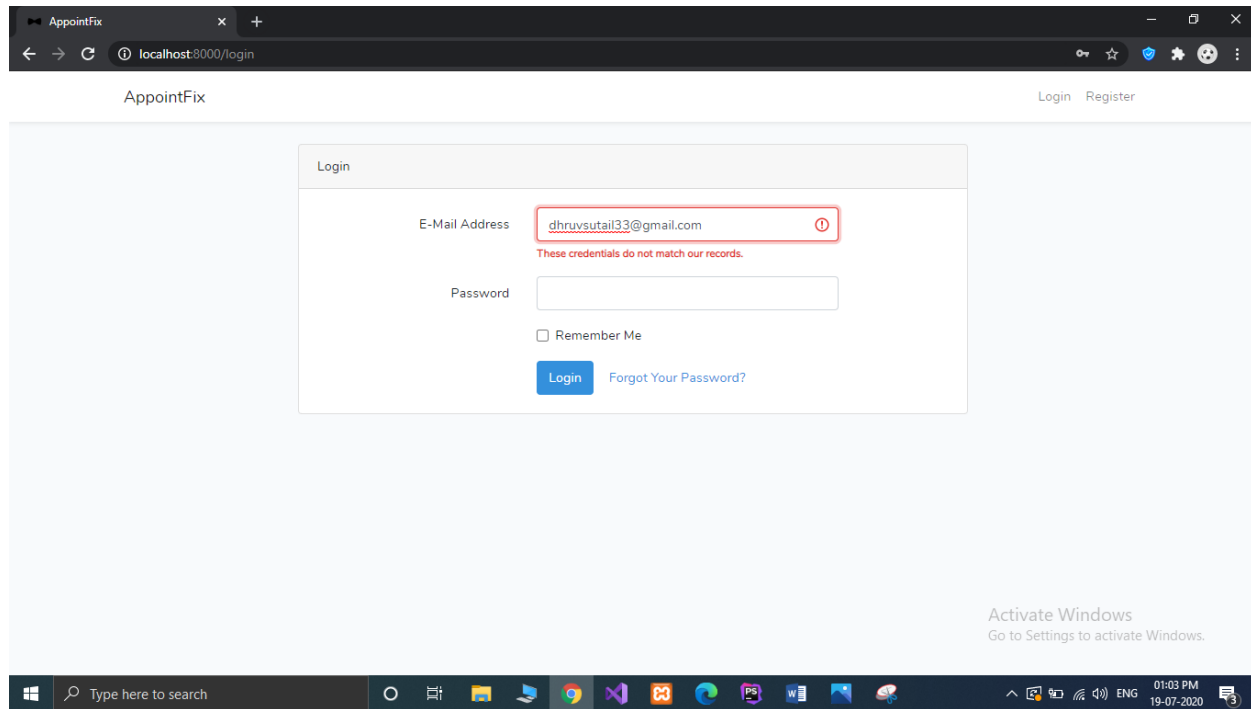


The screenshot shows a web browser window with the URL `localhost:8000/login`. The page title is "AppointFix" and there are links for "Login" and "Register". The "Login" form is displayed with the following fields:

- E-Mail Address: dhruvsutail338@gmail.com
- Password: (masked with dots)

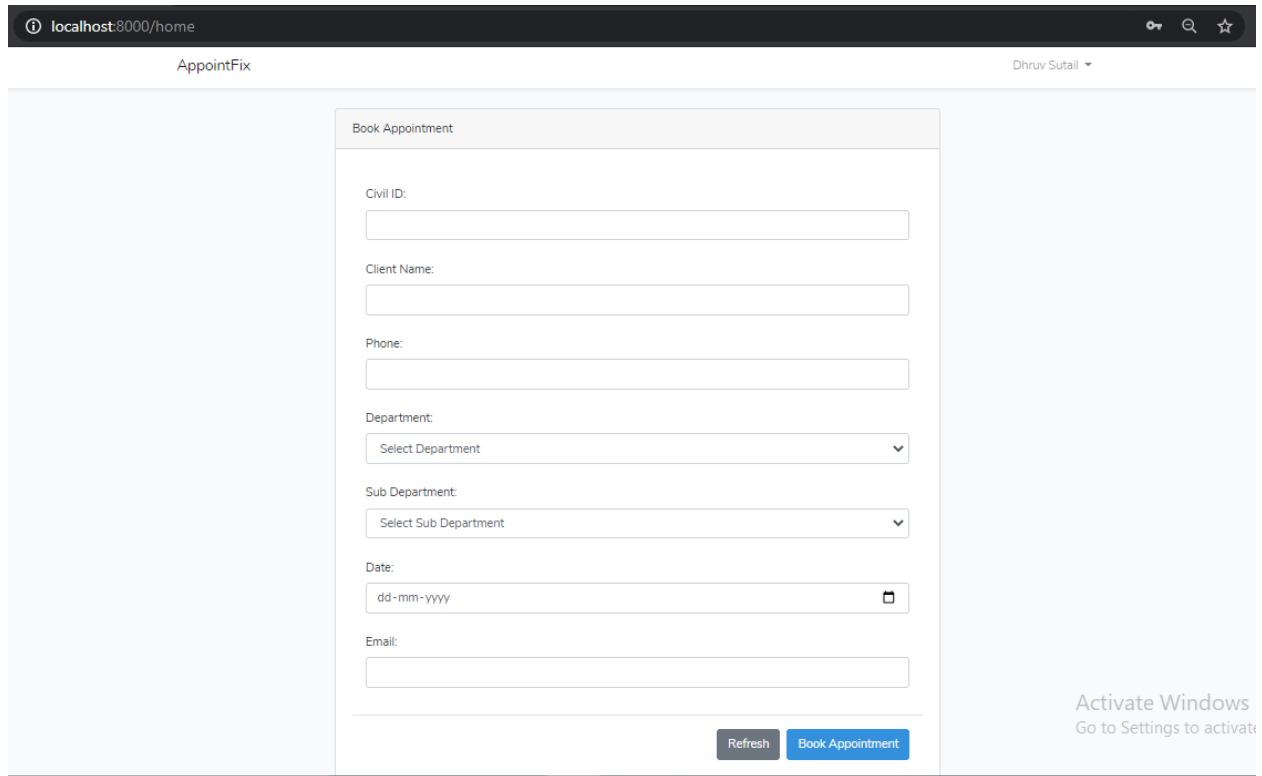
Below the password field is a checkbox labeled "Remember Me". A blue "Login" button and a link "Forgot Your Password?" are located at the bottom of the form. An "Activate Windows" watermark is visible in the bottom right corner of the page.

If the Credentials are wrong then it shows the Error Message.



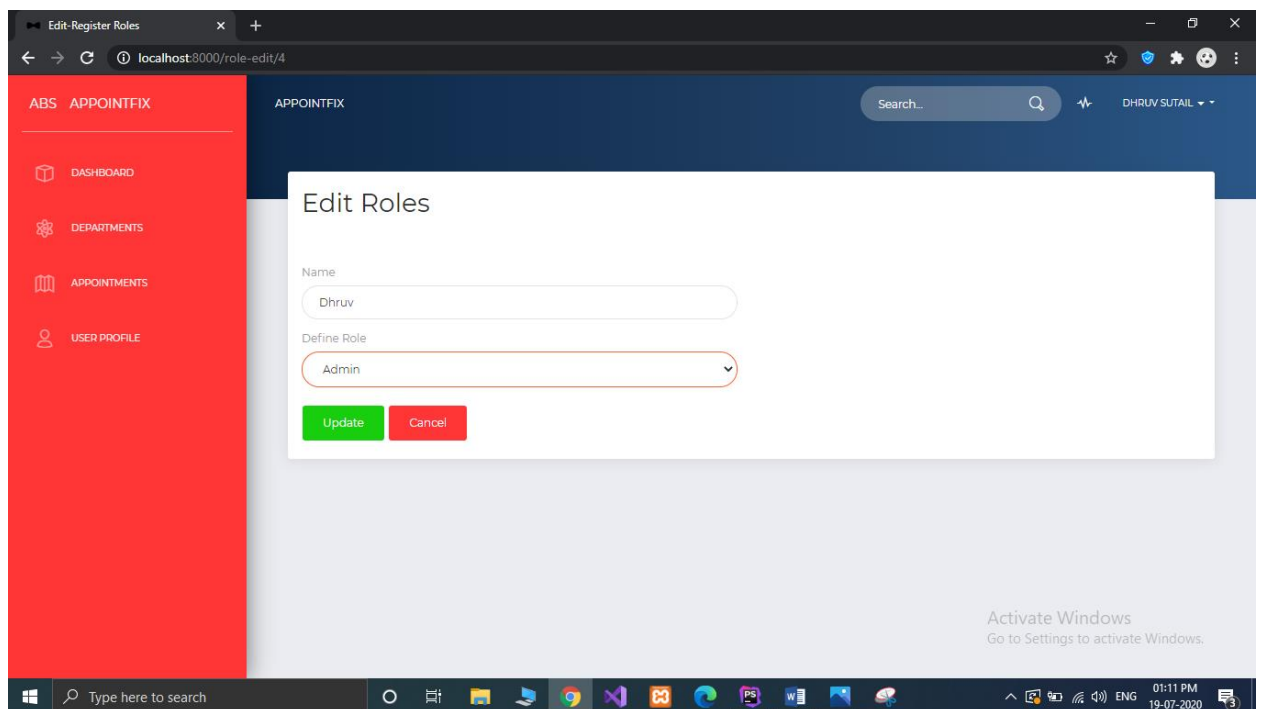
Module 2: Authentication and Security

Since initially value of the User Type is Null it redirects to the Customer Home Page.

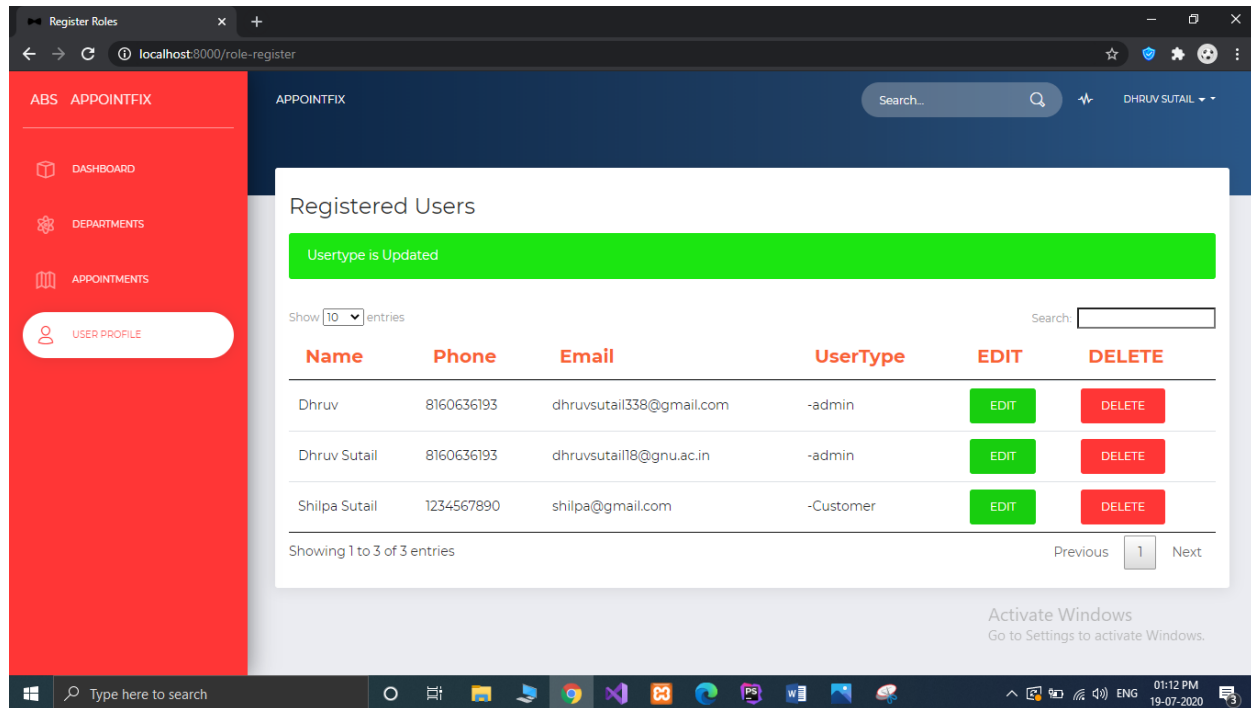


The screenshot shows a web browser at `localhost:3000/home` displaying the 'AppointFix' application. The user 'Dhruv Sutail' is logged in. A modal form titled 'Book Appointment' is centered on the screen. The form contains the following fields: 'Civil ID' (text input), 'Client Name' (text input), 'Phone' (text input), 'Department' (dropdown menu with 'Select Department' as the placeholder), 'Sub Department' (dropdown menu with 'Select Sub Department' as the placeholder), 'Date' (calendar icon and 'dd-mm-yyyy' placeholder), and 'Email' (text input). At the bottom of the form are two buttons: 'Refresh' and 'Book Appointment'. An 'Activate Windows' watermark is visible in the bottom right corner of the browser window.

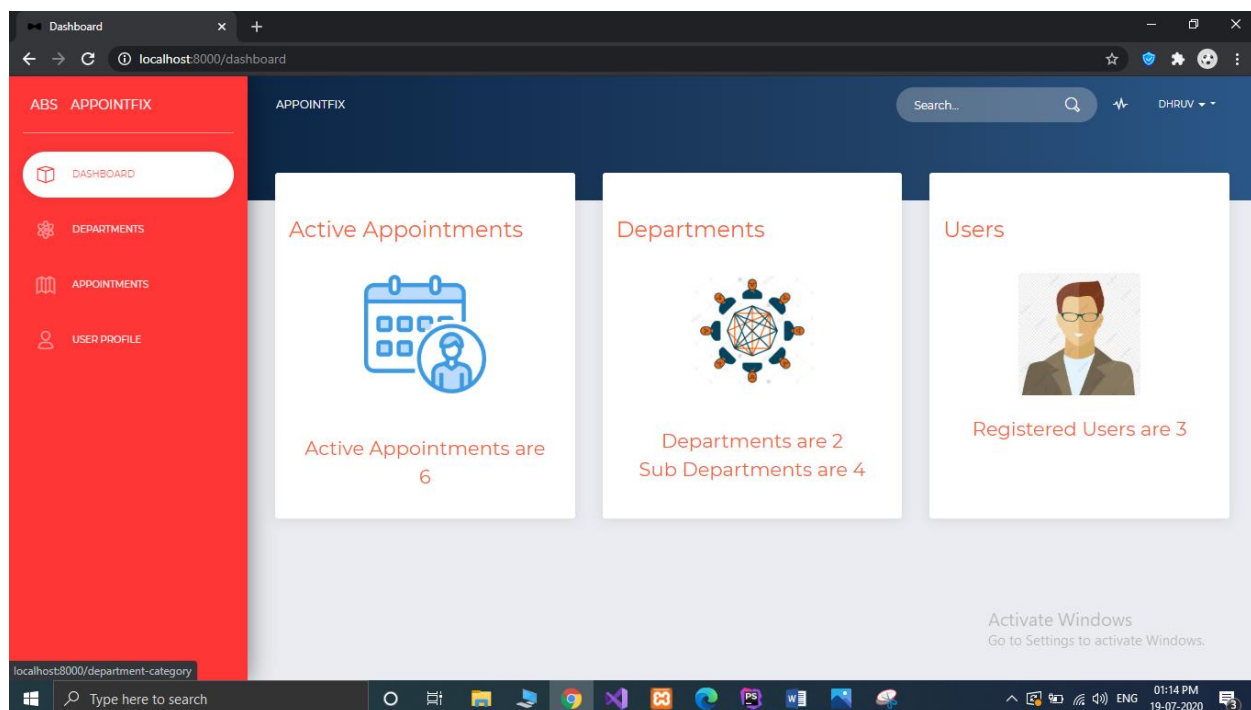
Updating the User Type:



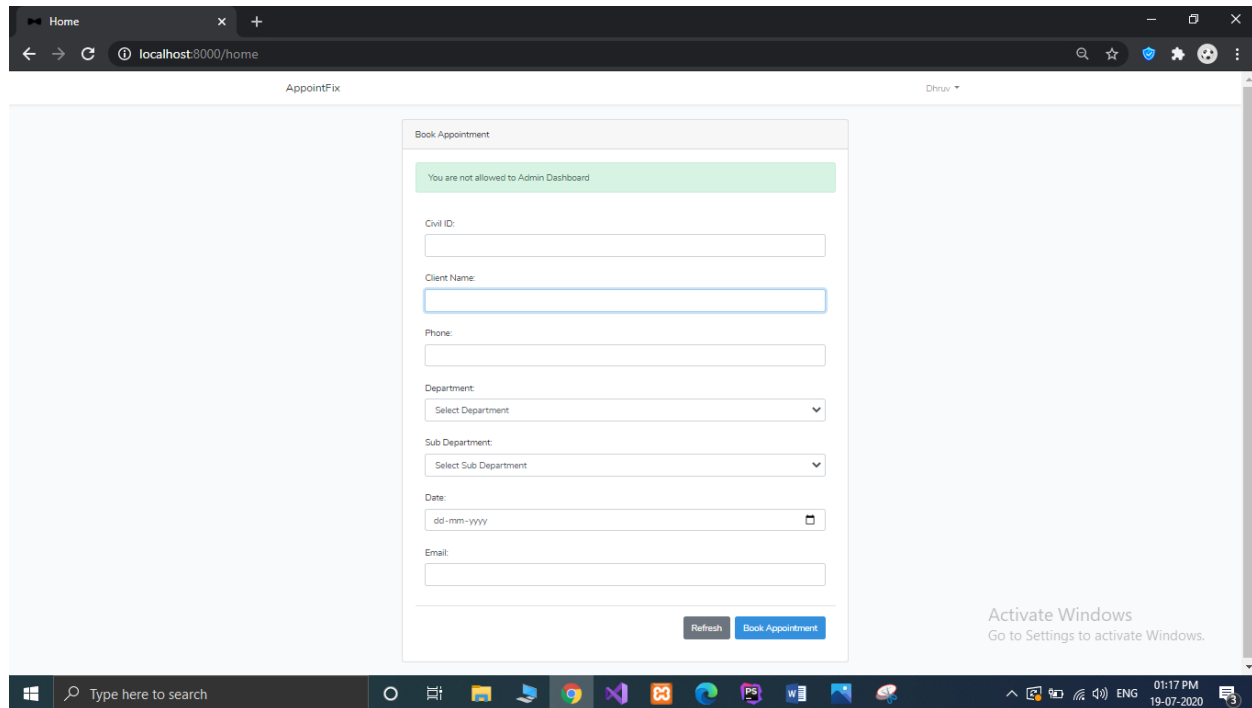
The screenshot shows the 'AppointFix' application with a red sidebar containing navigation links: 'ABS', 'APPOINTFIX', 'DASHBOARD', 'DEPARTMENTS', 'APPOINTMENTS', and 'USER PROFILE'. The main content area shows the 'Edit Roles' modal. The modal has a title 'Edit Roles' and two input fields: 'Name' (with 'Dhruv' entered) and 'Define Role' (with 'Admin' selected in a dropdown). At the bottom of the modal are two buttons: 'Update' (green) and 'Cancel' (red). The browser address bar shows `localhost:3000/role-edit/4`. An 'Activate Windows' watermark is visible in the bottom right corner of the browser window.



Now User Dhruv Could be Logged In to the Dashboard



Again Changing User type of the User Dhruv as Customer Will Show an Update Error Message

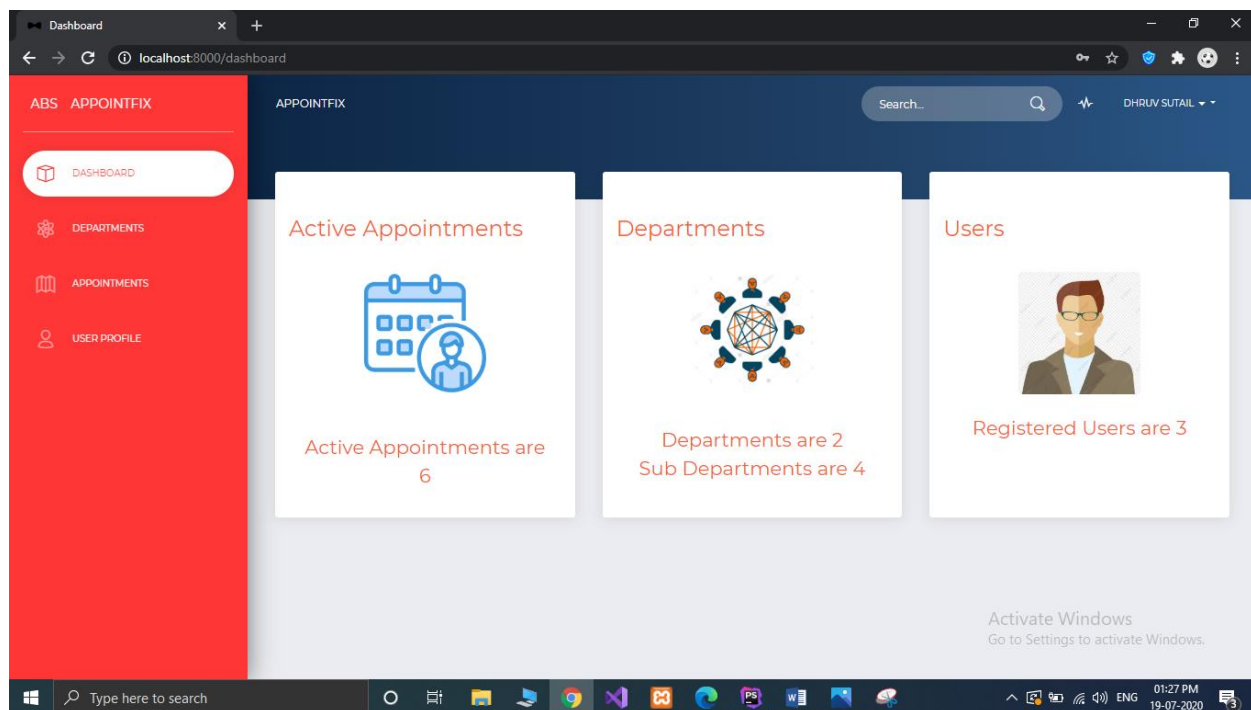


Customer can't even redirect to the Dashboard even If the absolute URL is used It will again redirect to the home Page with the Same Message Shown in the Above Picture.

Module 3: Admin Panel

3.1: Dashboard

The Entire Dashboard is Dynamic as it shows the Values Accordingly i.e. shows the Number of Appointments, Departments and Their Sub Departments and also shows the Number of Users Registered.



3.2: Departments

In this Page Admin can add a new Department and Sub Department and Maximum Appointments for a Single Day. Depending on this Stored Data it will reflect on the Select List for Booking the Appointments. And will Show an Error if the Slots are booked for that particular Day.

Departments

Show 10 entries

Search

Department	Sub Department	Max Appointments	EDIT	DELETE
LIC	Policy Renew	5	EDIT	DELETE
LIC	Account	2	EDIT	DELETE
Restuarant	Pizza Hut	1	EDIT	DELETE
Restuarant	Dominos	2	EDIT	DELETE

Showing 1 to 4 of 4 entries

Previous 1 Next

Activate Windows
Go to Settings to activate Windows.

ADD Departments

Department

Costmetics

Sub Department

Hair Spa

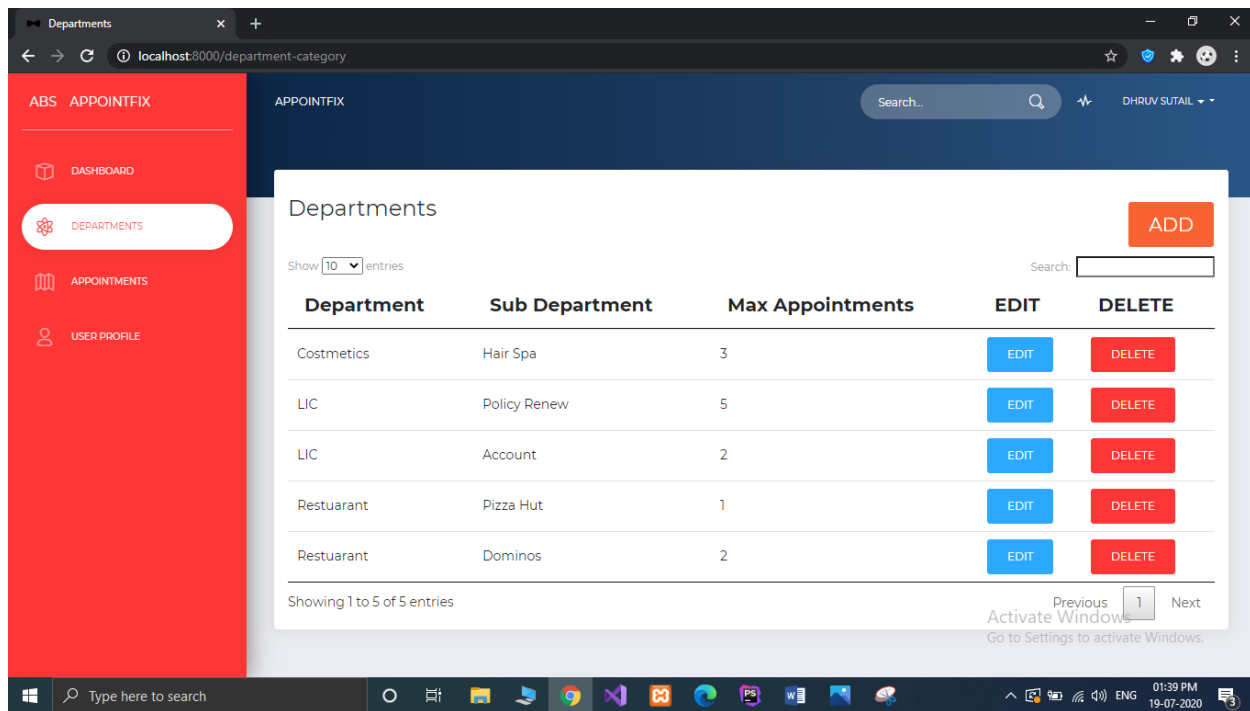
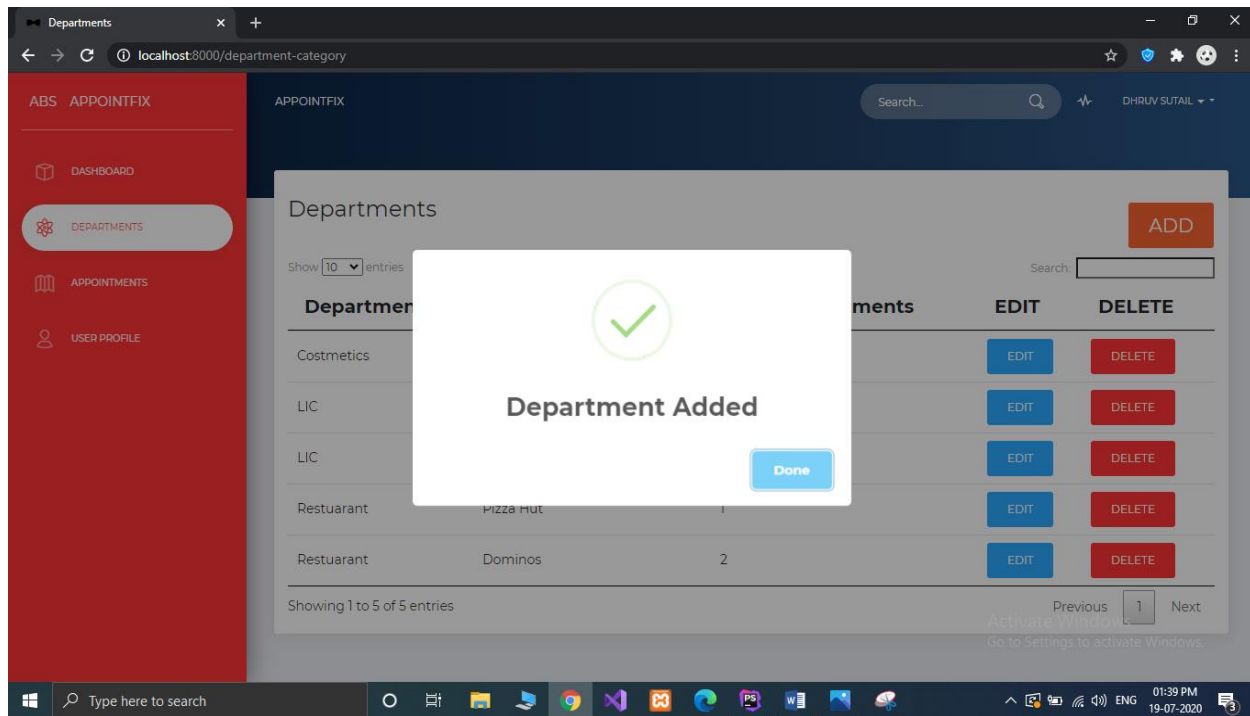
Maximum Appointments

3

SAVE

BACK

Activate Windows
Go to Settings to activate Windows.



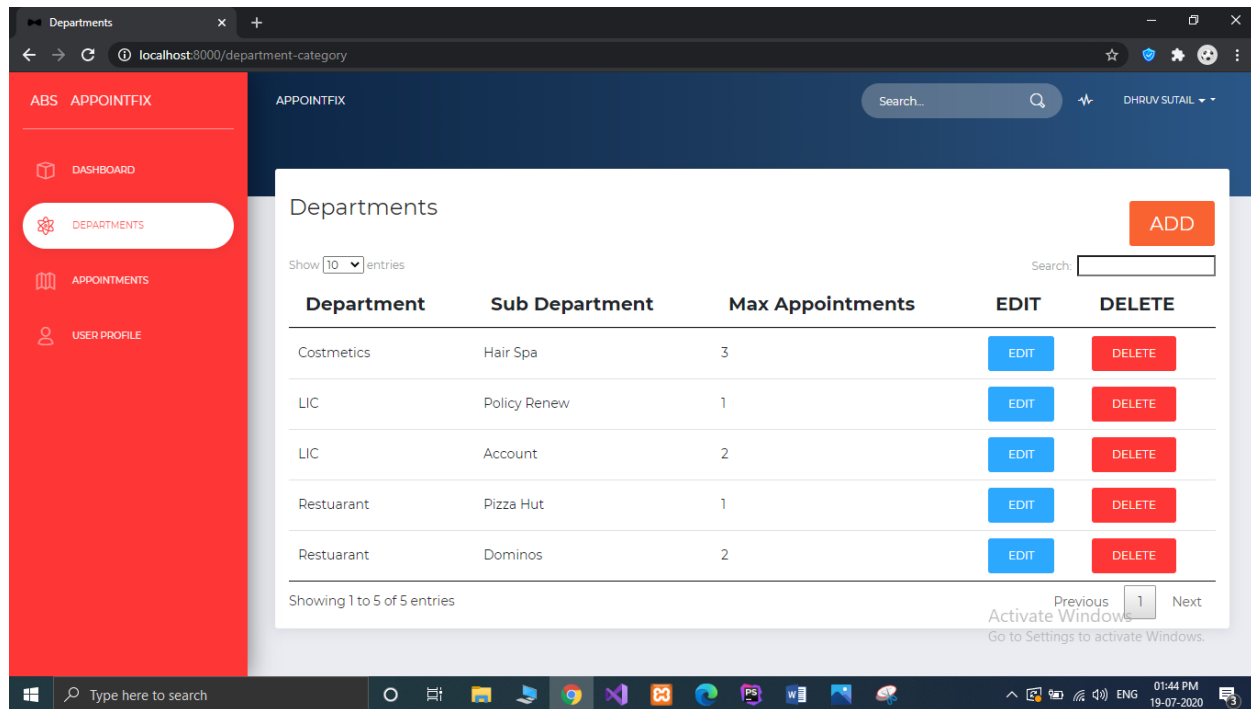
Admin can Also Edit a particular Department and Sub Department If there is more Demand of any Department in their respective Sub Department. And can also reduce the Max Appointments If there is less Demand.

The screenshot shows the 'Edit Departments' form in the APPOINTFIX application. The form is located in the center of the screen, with a red sidebar on the left containing navigation links: DASHBOARD, DEPARTMENTS, APPOINTMENTS, and USER PROFILE. The top navigation bar includes a search bar and the user's name, DHRUV SUTAIL. The form itself has three input fields: 'Department' with the value 'LIC', 'Sub Department' with the value 'Policy Renew', and 'Maximum Appointments' with the value '1'. There is a blue 'UPDATE' button at the bottom of the form and an orange 'BACK' button in the top right corner. The background is a light gray with a faint 'Activate Windows' watermark.

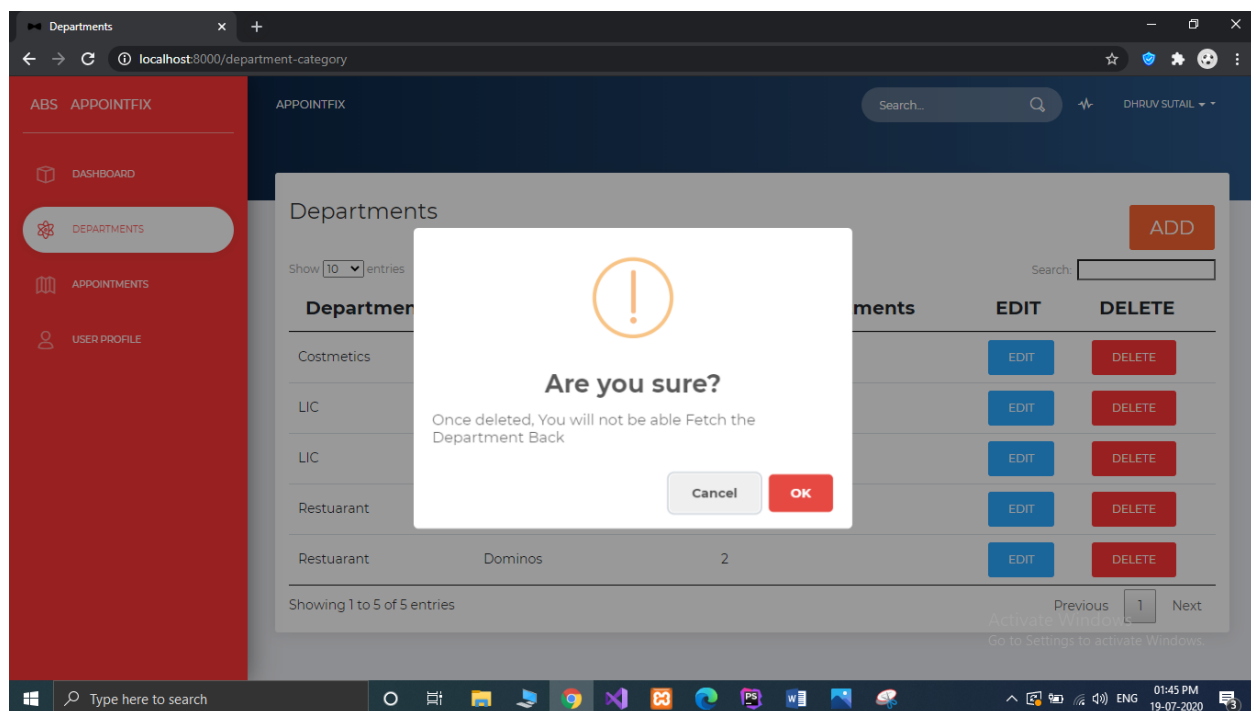
The screenshot shows the 'Departments' list in the APPOINTFIX application. A confirmation dialog box with a green checkmark and the text 'Department Updated' is overlaid on the table. The table has columns for 'Department', 'Sub Department', 'Maximum Appointments', 'EDIT', and 'DELETE'. The data rows are as follows:

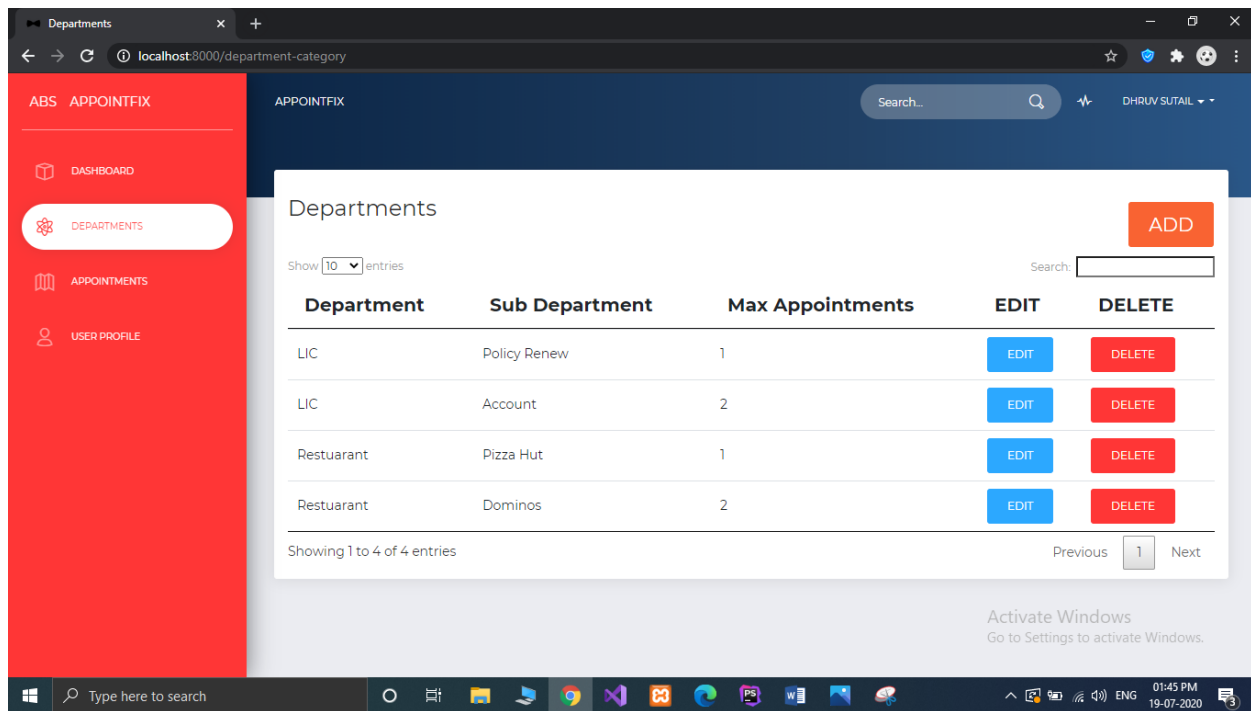
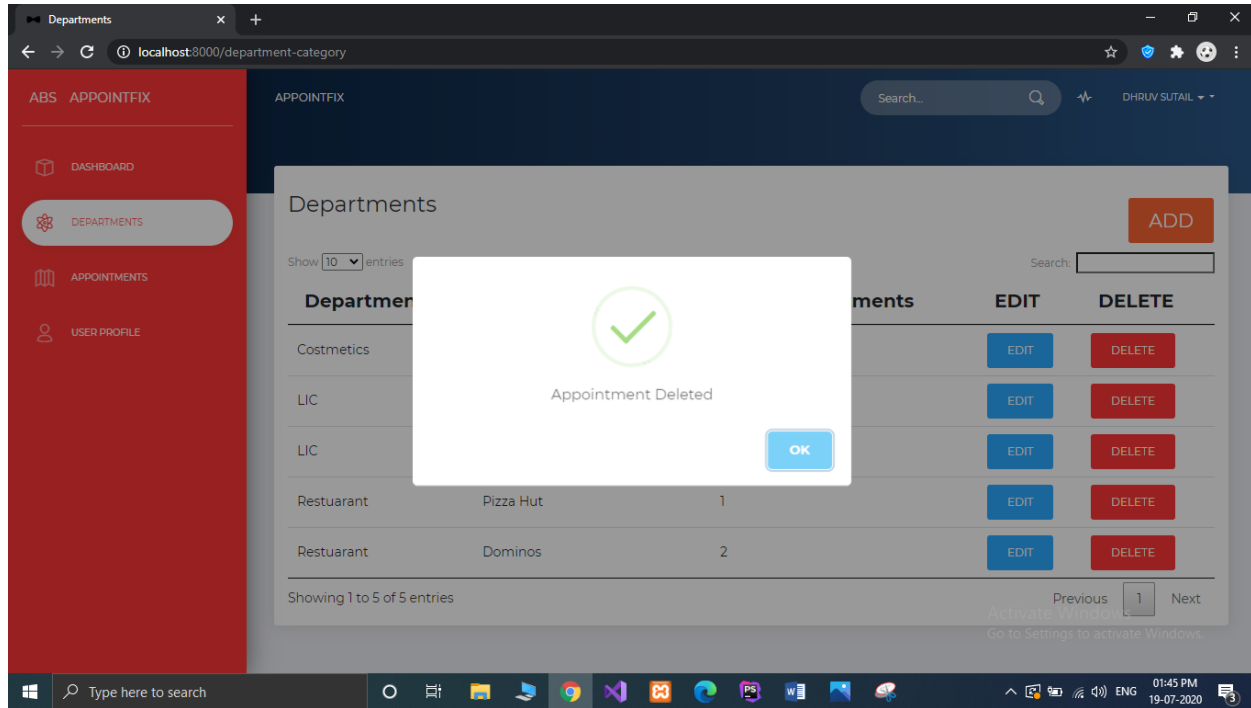
Department	Sub Department	Maximum Appointments	EDIT	DELETE
Costmetics			<button>EDIT</button>	<button>DELETE</button>
LIC			<button>EDIT</button>	<button>DELETE</button>
LIC			<button>EDIT</button>	<button>DELETE</button>
Restuarant	Pizza Hut	1	<button>EDIT</button>	<button>DELETE</button>
Restuarant	Dominos	2	<button>EDIT</button>	<button>DELETE</button>

The table also includes a search bar, a 'Show 10 entries' dropdown, and pagination controls at the bottom showing 'Showing 1 to 5 of 5 entries'.



And can also delete the Department and Sub Department If there is No Need.





3.3: Appointments

In this Page the Admin Can See all the Booked Appointments and can add a New Appointment Also if there are any.

Active Appointments

Show 10 entries

Search:

ADD

Civil ID	Client Name	Phone	Department	Sub Department	Date	Email	EDIT	DELETE
22221	Vijay Jingar	0987654321	LIC	Policy Renew	2020-07-24	dhrvusutail338@gmail.com	EDIT	DELETE
45321	Dhruv Sutail	8160636193	LIC	Account	2020-07-25	dhrvusutail338@gmail.com	EDIT	DELETE
62181	Ketan Jinagar	8160636193	Restuarant	Pizza Hut	2020-07-21	dhrvusutail338@gmail.com	EDIT	DELETE
78973	shilpa Sutail	9429408878	Restuarant	Dominos	2020-07-31	shilpasutail333@gmail.com	EDIT	DELETE
89789	Dhruv Sutail	8160636193	Restuarant	Pizza Hut	2020-07-23	dhrvusutail338@gmail.com	EDIT	DELETE
90988	Jay Shah	978786557	Restuarant	Pizza Hut	2020-07-30	dhrvusutail338@gmail.com	EDIT	DELETE

Showing 1 to 6 of 6 entries

Activate Windows
Go to Settings to activate Windows.

Adding a New Appointment

Add Appointment

Civil ID:
54537

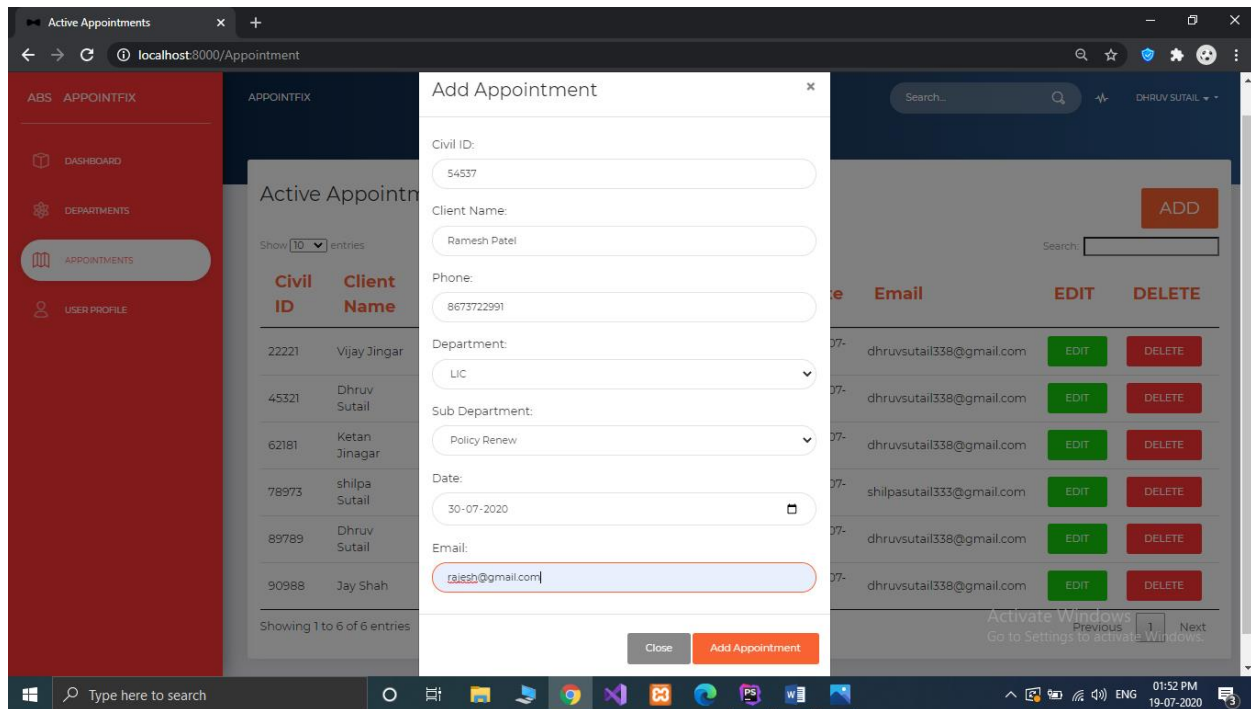
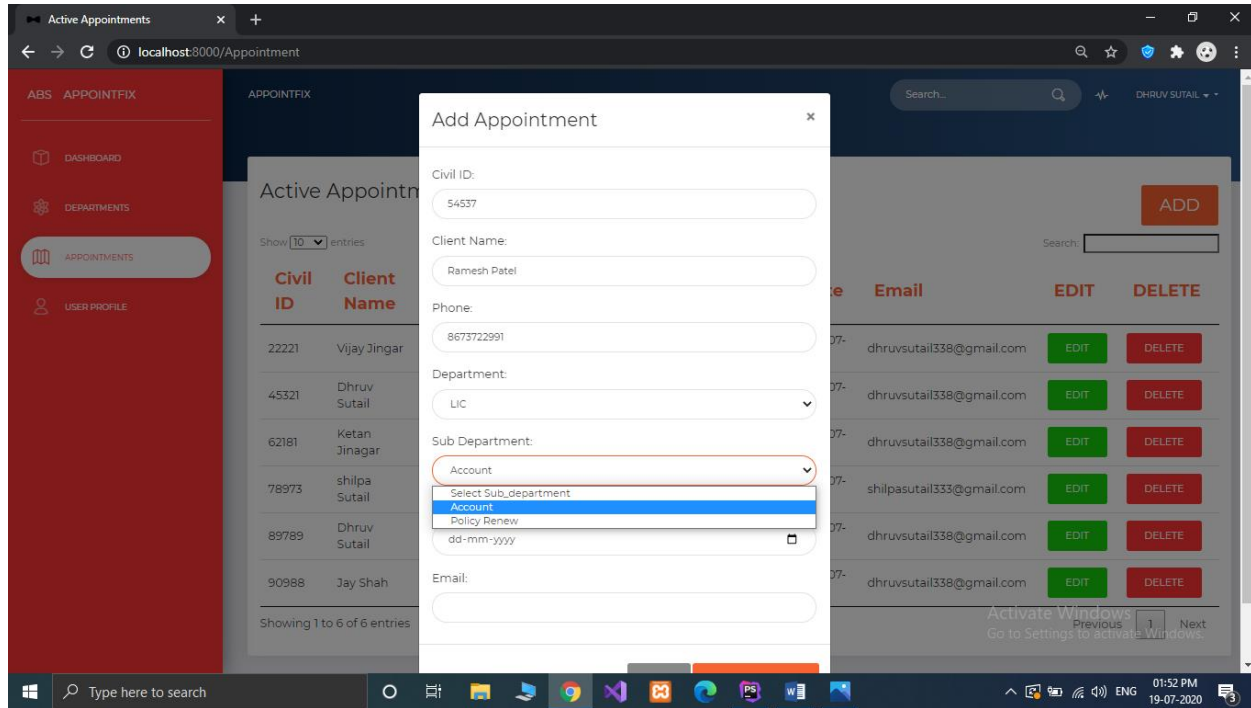
Client Name:
Ramesh Patel

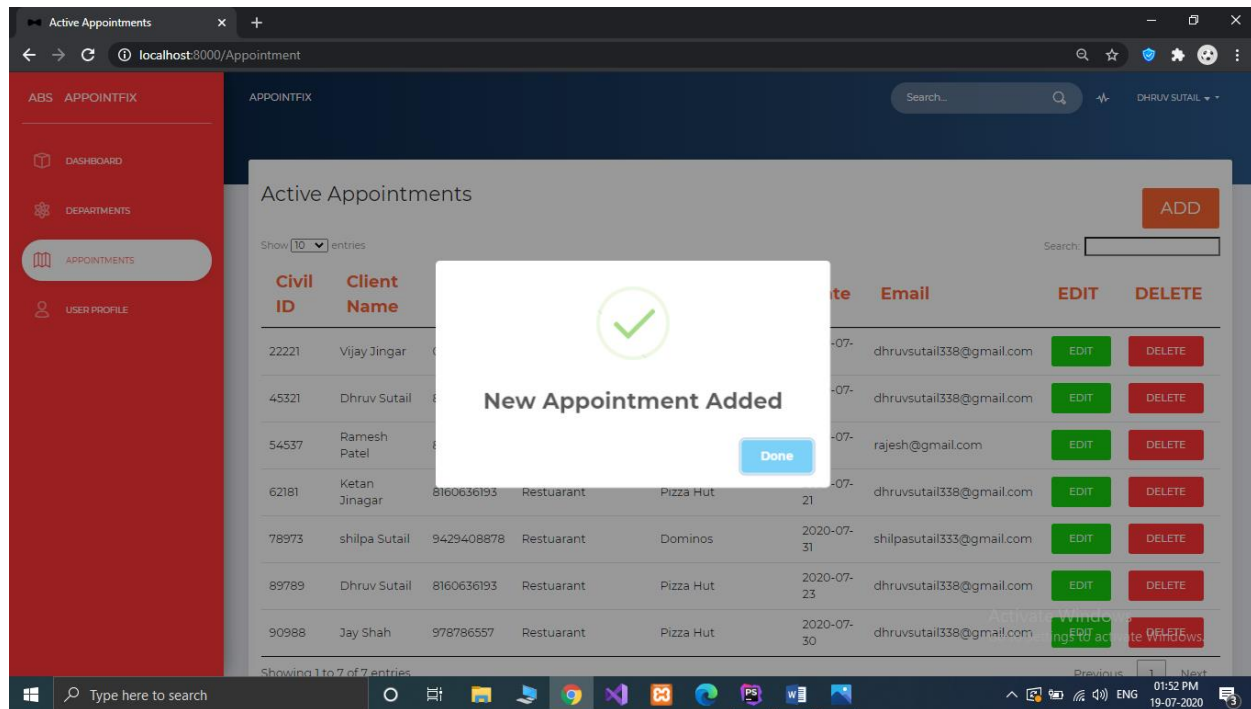
Phone:
8673722991

Department:
Select Department
LIC
Restuarant
Select Sub Department

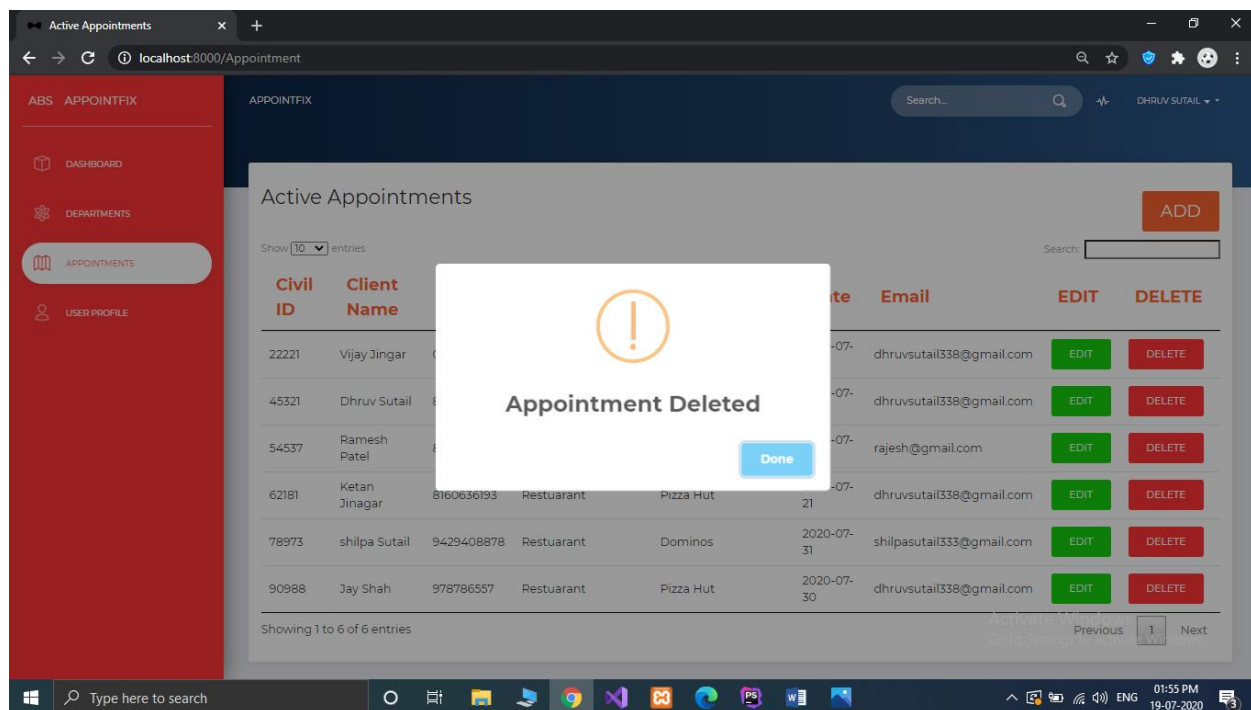
Date:
dd-mm-yyyy

Email:





Admin can also delete any Appointment if it is Not Required Further



And Admin can also edit the Appointments Details If the Clients Find any of the Details are Incorrect and needs to be updated.

ABS APPOINTFIX

DASHBOARD

DEPARTMENTS

APPOINTMENTS

USER PROFILE

Edit Appointments

Civil ID: 54537

Client Name: Ramesh Patel

Phone: 8673722991

Department: LIC

Sub Department: Policy Renew

Date: 30-07-2020

Email: ramesh@gmail.com

Activate Windows
Go to Settings to activate Windows.

BACK UPDATE

Active Appointments

APPOINTFIX

Search...

APPOINTMENTS

USER PROFILE

Active Appointments

Show 10 entries

ADD

Civil ID	Client Name	Date	Email	EDIT	DELETE
22221	Vijay Jingar	2020-07-31	dhruvsutail338@gmail.com	EDIT	DELETE
45321	Dhruv Sutail	2020-07-31	dhruvsutail338@gmail.com	EDIT	DELETE
54537	Ramesh Patel	2020-07-31	ramesh@gmail.com	EDIT	DELETE
62181	Ketan Jinagar	2020-07-31	dhruvsutail338@gmail.com	EDIT	DELETE
78973	shilpa Sutail	2020-07-31	shilpasutail333@gmail.com	EDIT	DELETE
90988	Jay Shah	2020-07-30	dhruvsutail338@gmail.com	EDIT	DELETE

Showing 1 to 6 of 6 entries

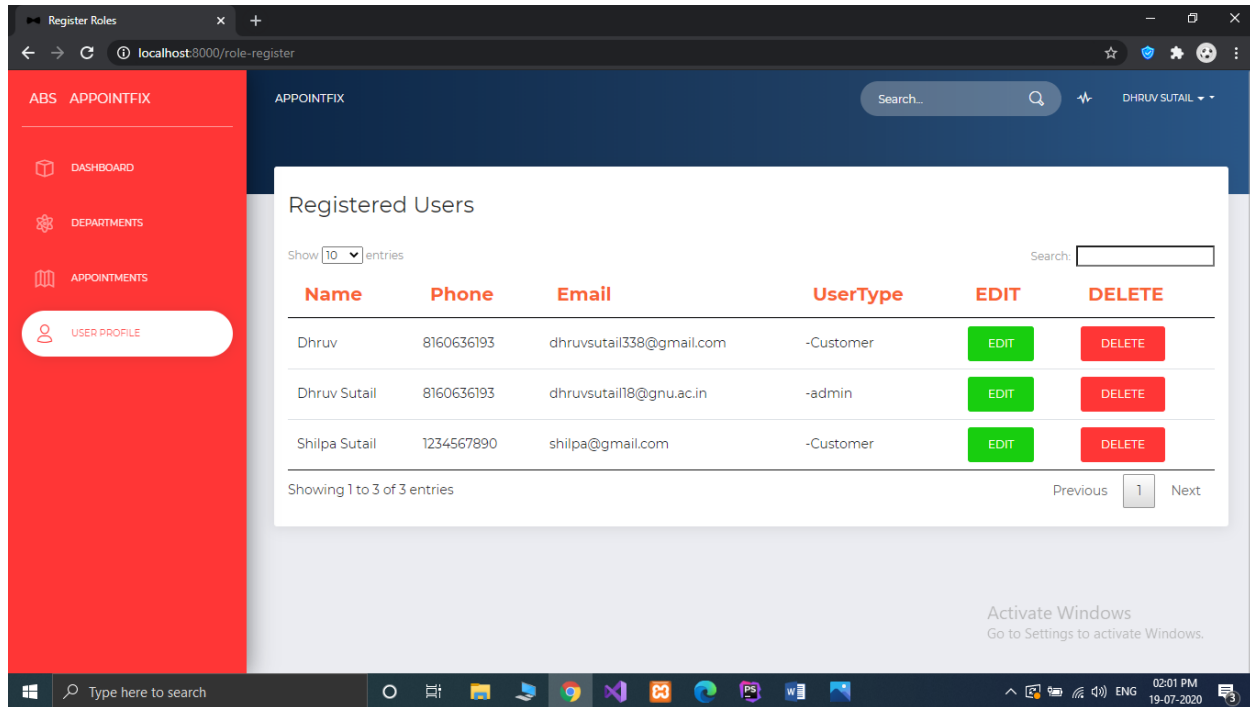
Appointment Updated

Done

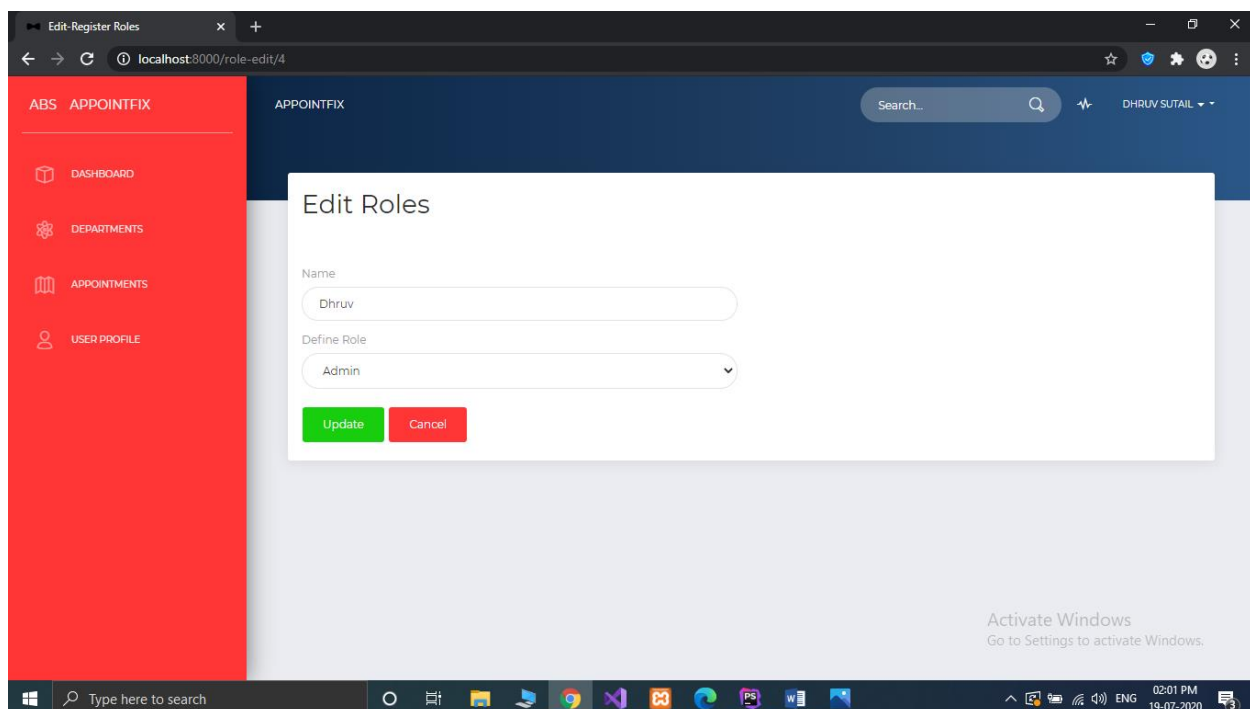
Activate Windows
Go to Settings to activate Windows.

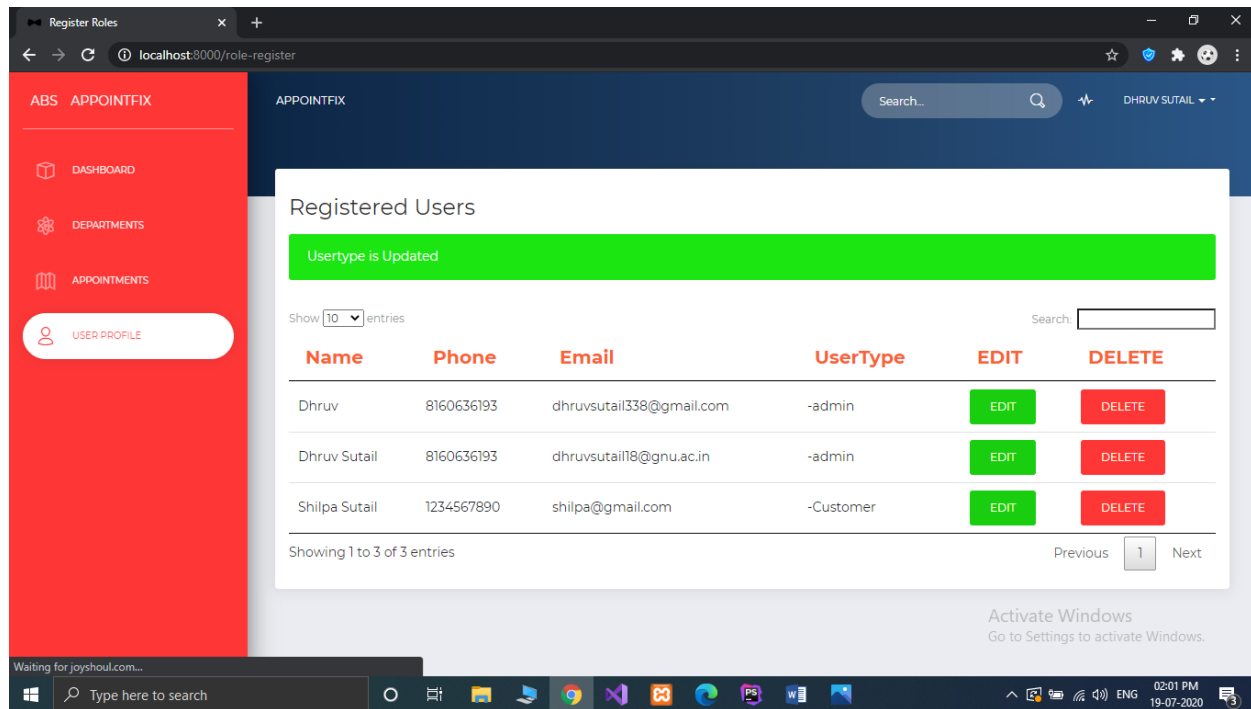
3.4: User Profile

In this Page Admin can see all the Registered Users That Have Registered to The System. And Has the Right to Change the User Type of the User to the Customer or Admin Accordingly. And also can delete any Customer or the Admin.

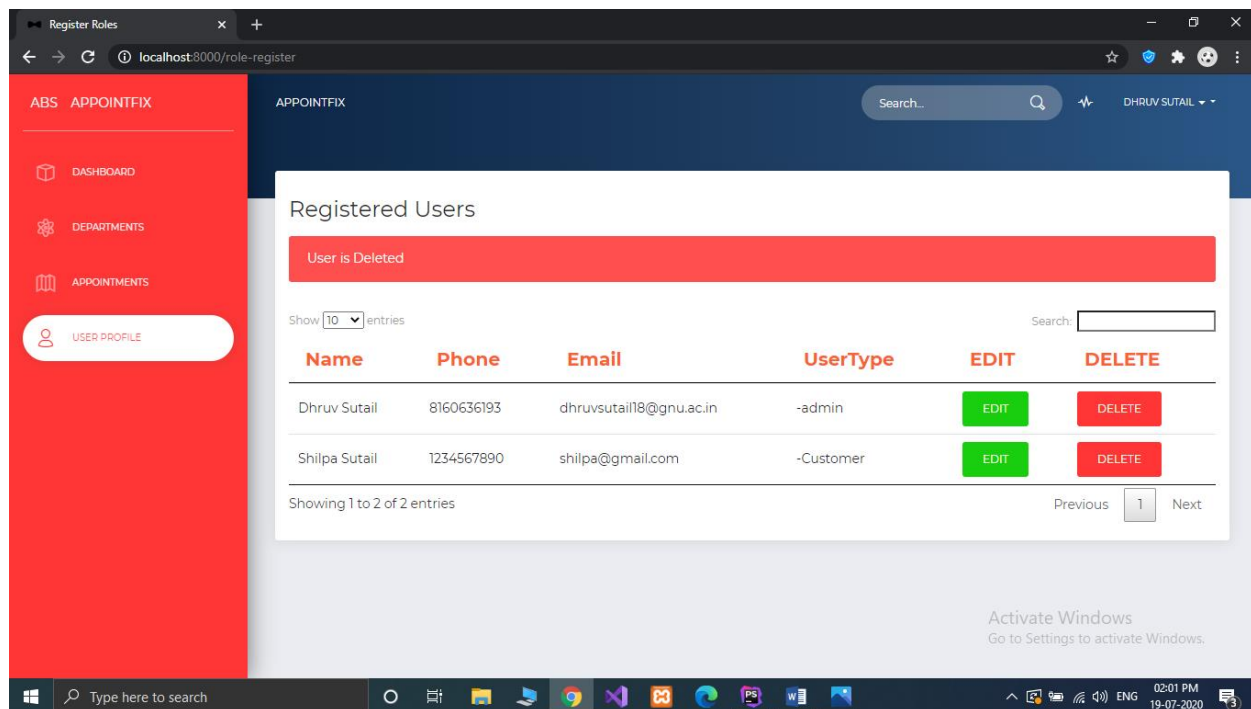


Editing the User Type Functionality



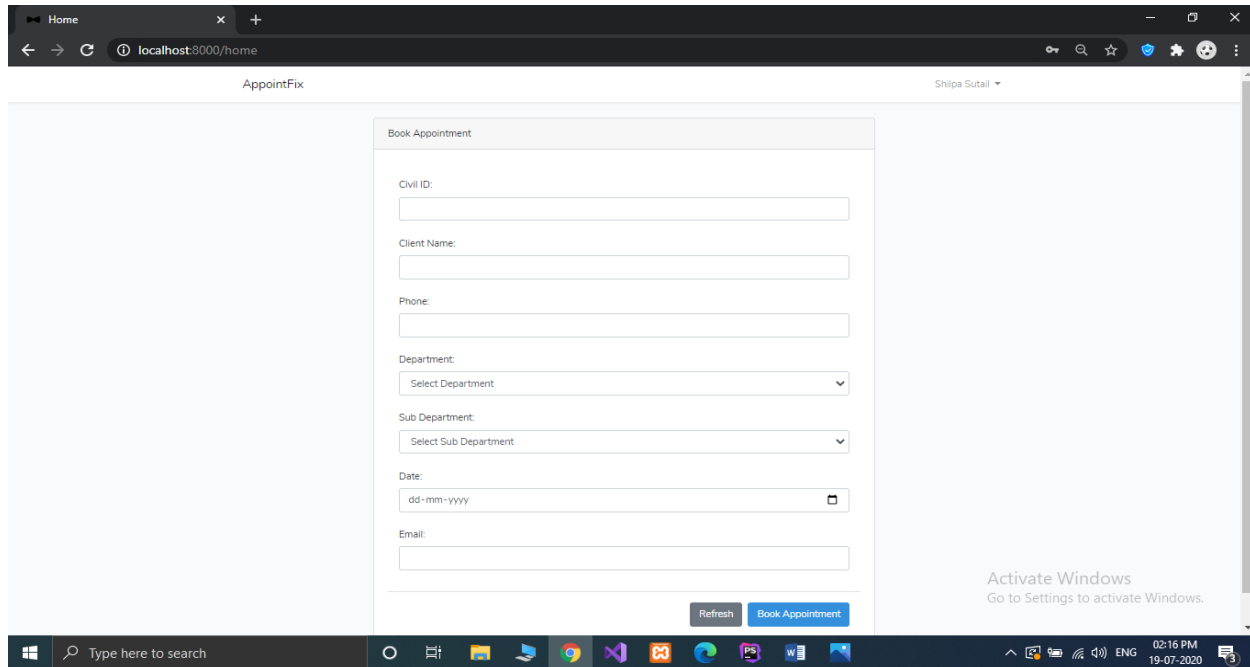


Deleting a Particular User and showing the Message.



Module 4: Customer Panel

In this Panel User having null or customer as User Type Values are redirected. They directly sees the Appointment Booking Form where they need to book their Appointment.

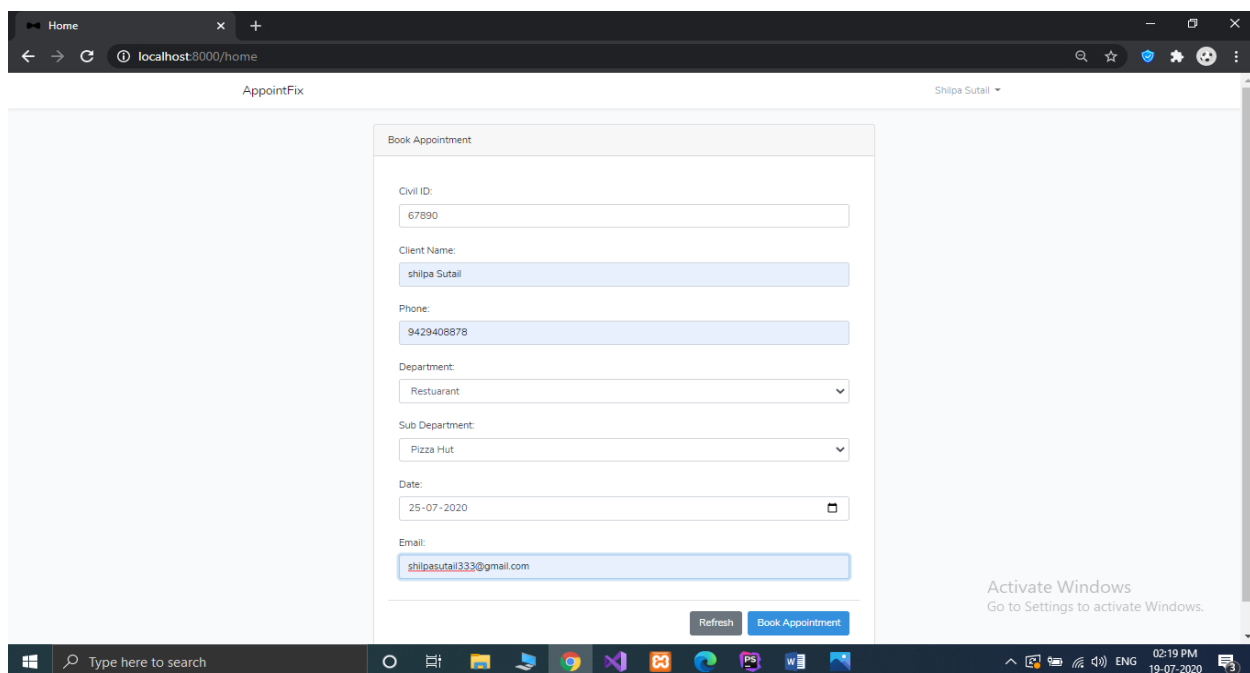


The screenshot shows a web browser window with the URL `localhost:8000/home`. The page title is "AppointmentFix". The user is logged in as "Shilpa Sutail". The main content area displays a "Book Appointment" form with the following fields:

- Civil ID:
- Client Name:
- Phone:
- Department:
- Sub Department:
- Date:
- Email:

At the bottom of the form, there are two buttons: "Refresh" and "Book Appointment".

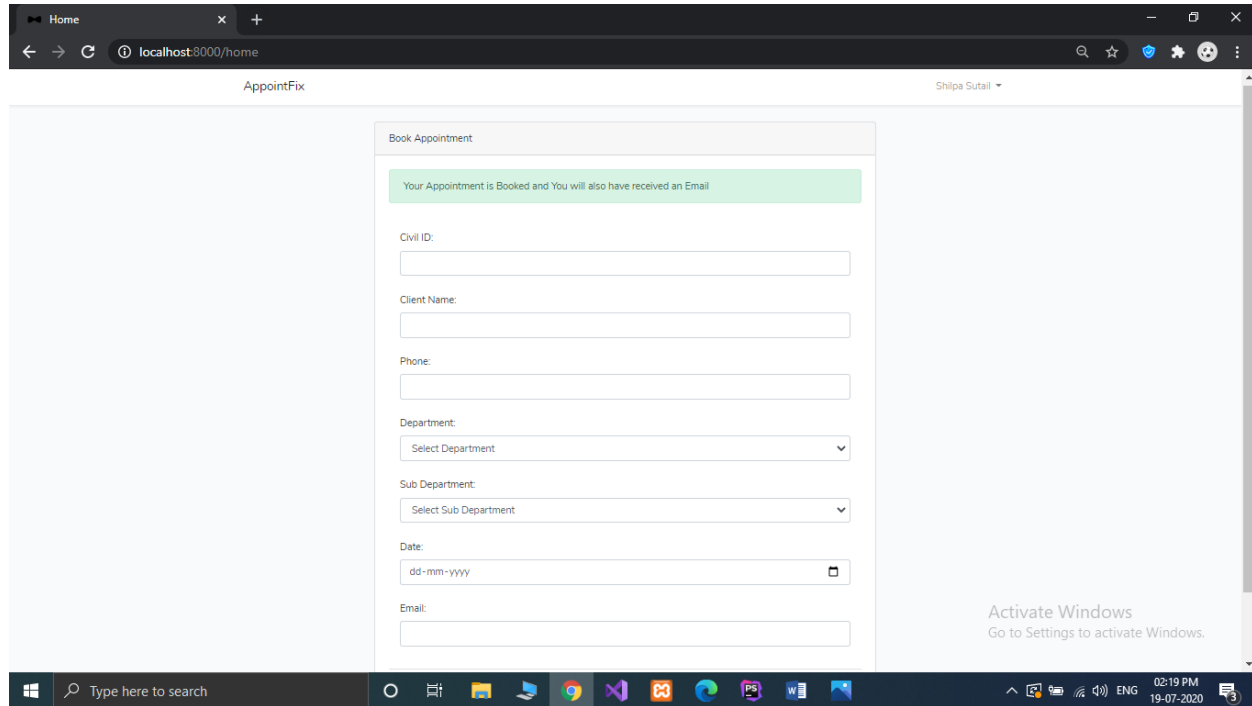
Now Depending on the Available slots on the Time of Booking an Appointment it Shows the Message whether the Appointment is Booked or Not.



The screenshot shows the same web browser window, but the form fields are now filled with data:

- Civil ID:
- Client Name:
- Phone:
- Department:
- Sub Department:
- Date:
- Email:

The "Book Appointment" button is still visible at the bottom of the form.



The Above Screenshot showing that the Appointment is Booked and Customer will receive a notification Email.

The Screenshot Attached below has the same date for Pizza Hut and the Maximum appoint for Pizza Hut for a Particular date is 1 only it will Show an Error message. But if the date would be Different it would have accepted the Booking.

A screenshot of a web browser window displaying a 'Book Appointment' form. The browser's address bar shows 'localhost:8000/home'. The form is titled 'Book Appointment' and contains the following fields:

- Civil ID: 80032
- Client Name: Vijay Jingar
- Phone: 0987654321
- Department: Restuarant (dropdown menu)
- Sub Department: Pizza Hut (dropdown menu)
- Date: 25-07-2020
- Email: VijayJingar@gmail.com

At the bottom of the form, there are two buttons: 'Refresh' and 'Book Appointment'. To the right of the form, there is a message: 'Activate Windows Go to Settings to activate Windows.'

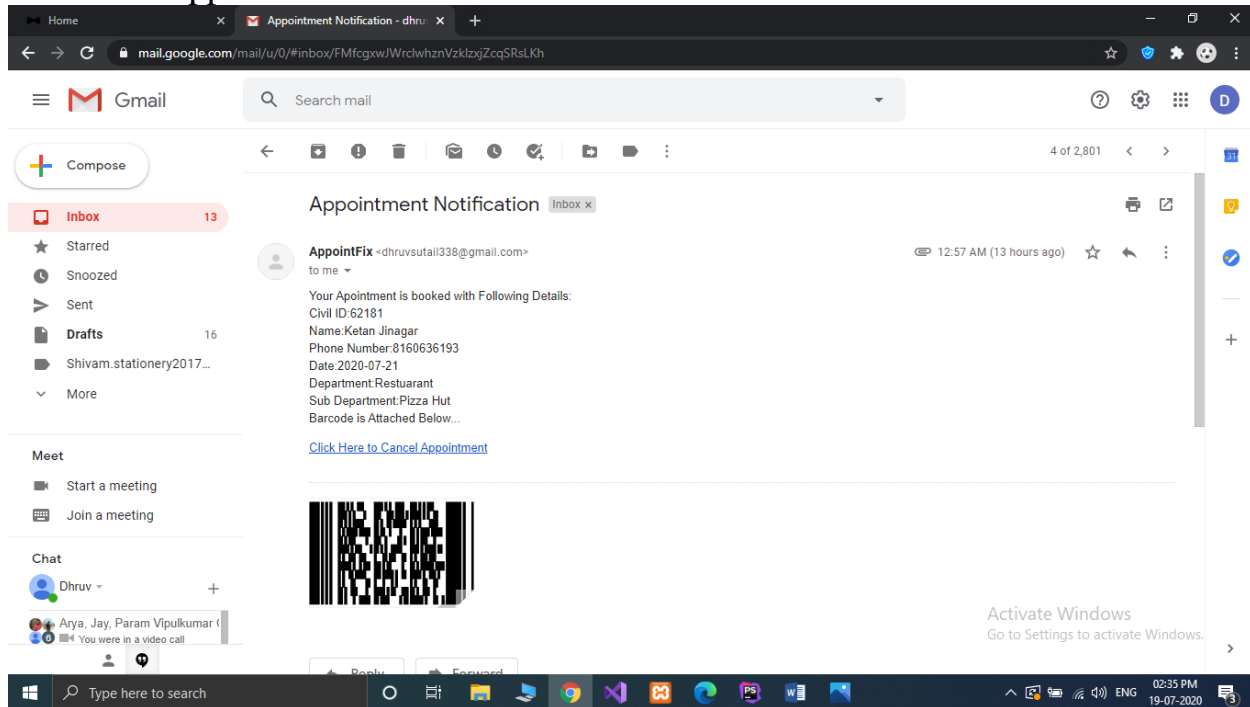
A screenshot of a web browser window displaying the 'Book Appointment' form. The browser's address bar shows 'localhost:8000/home'. The form is titled 'Book Appointment' and contains the following fields:

- Civil ID: (empty)
- Client Name: (empty)
- Phone: (empty)
- Department: Select Department (dropdown menu)
- Sub Department: Select Sub Department (dropdown menu)
- Date: dd-mm-yyyy
- Email: (empty)

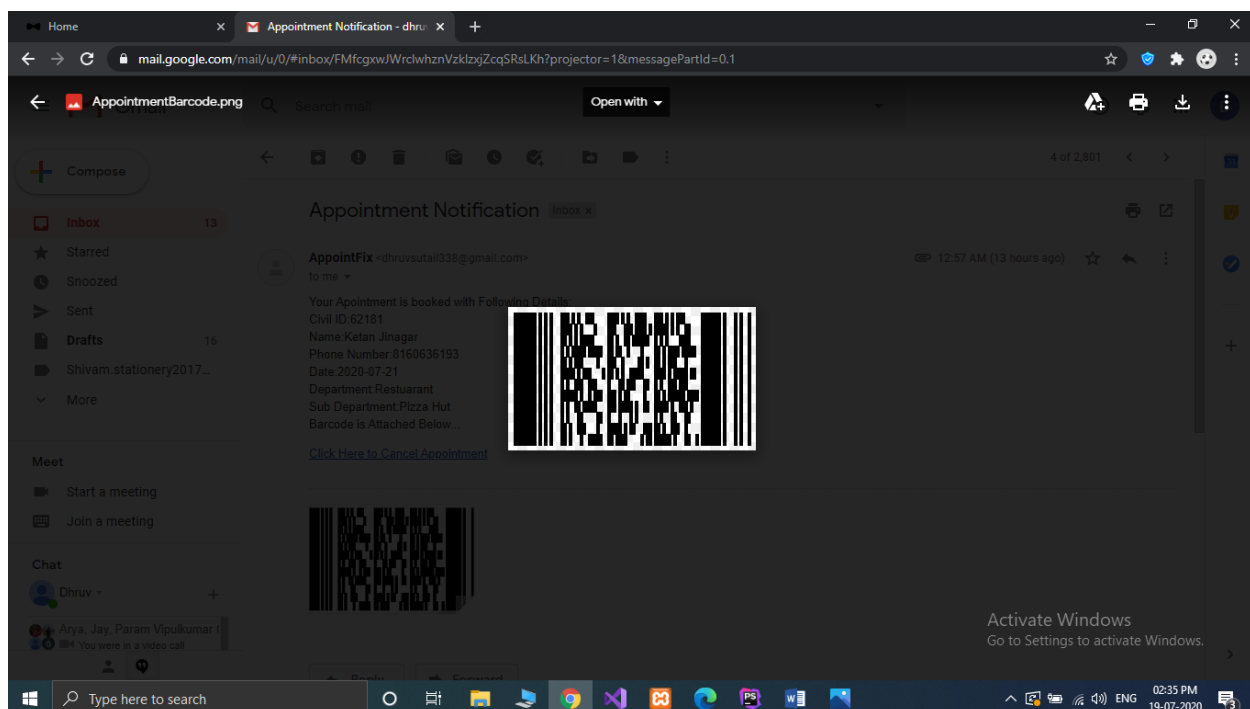
At the top of the form, there is a green message box that says: 'Sorry!! Appointment Slot Full'. At the bottom of the form, there are two buttons: 'Refresh' and 'Book Appointment'. To the right of the form, there is a message: 'Activate Windows Go to Settings to activate Windows.'

Module 5: Email and Barcode Generation

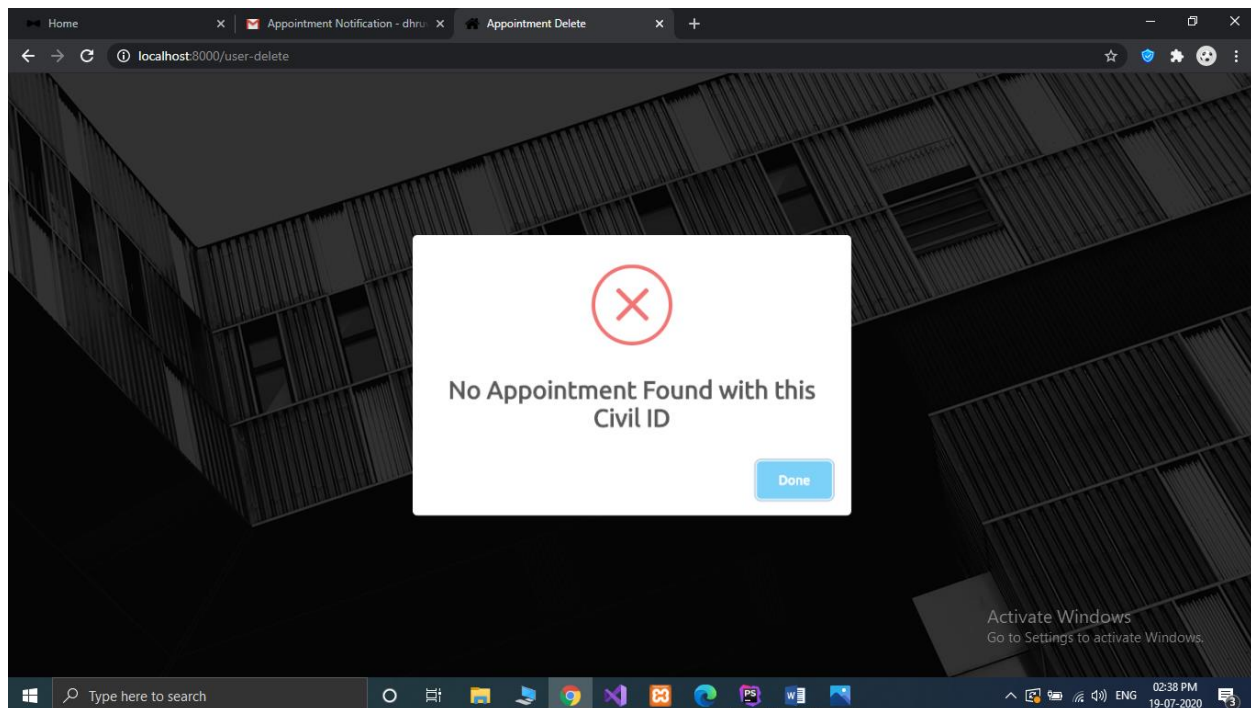
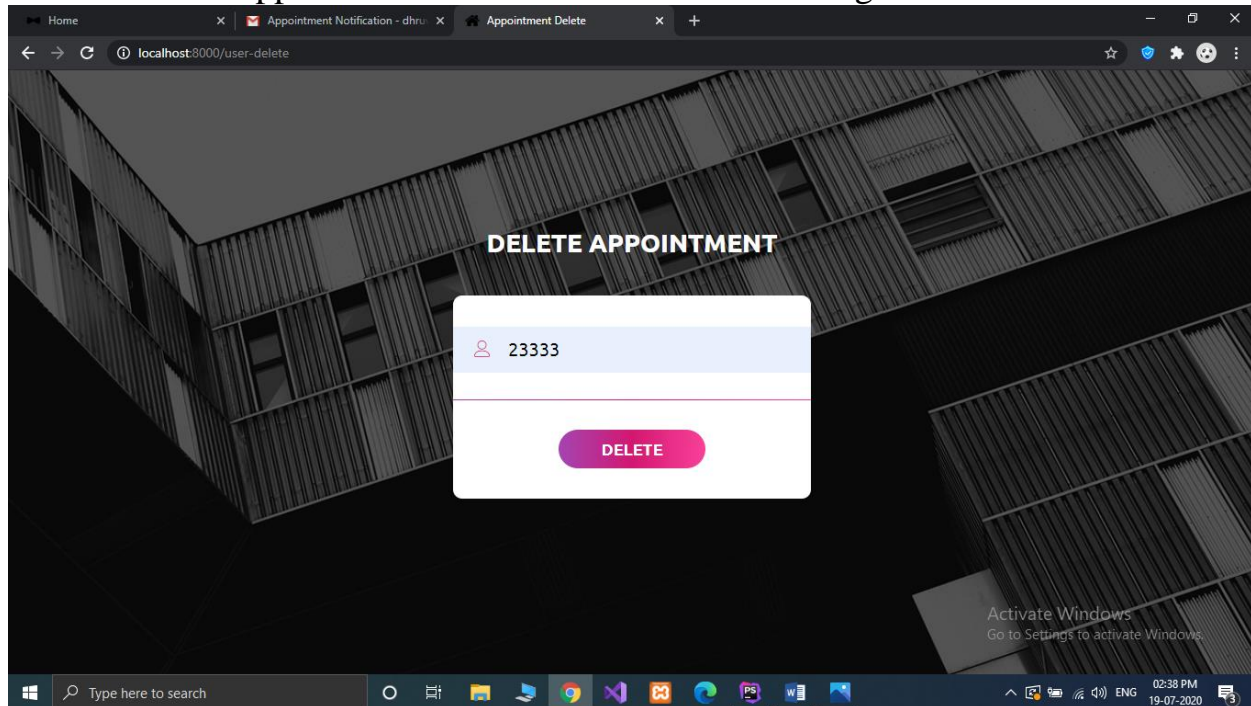
In this Module the Customer will receive a notification email from the Company i.e. AppointFix will all the Details that have been filled by the Customer and will also get a Barcode Generated which will contain the Civil ID of the Customer so it becomes handy for the Department to check whether it is the Same customer who booked an appointment or some Other.

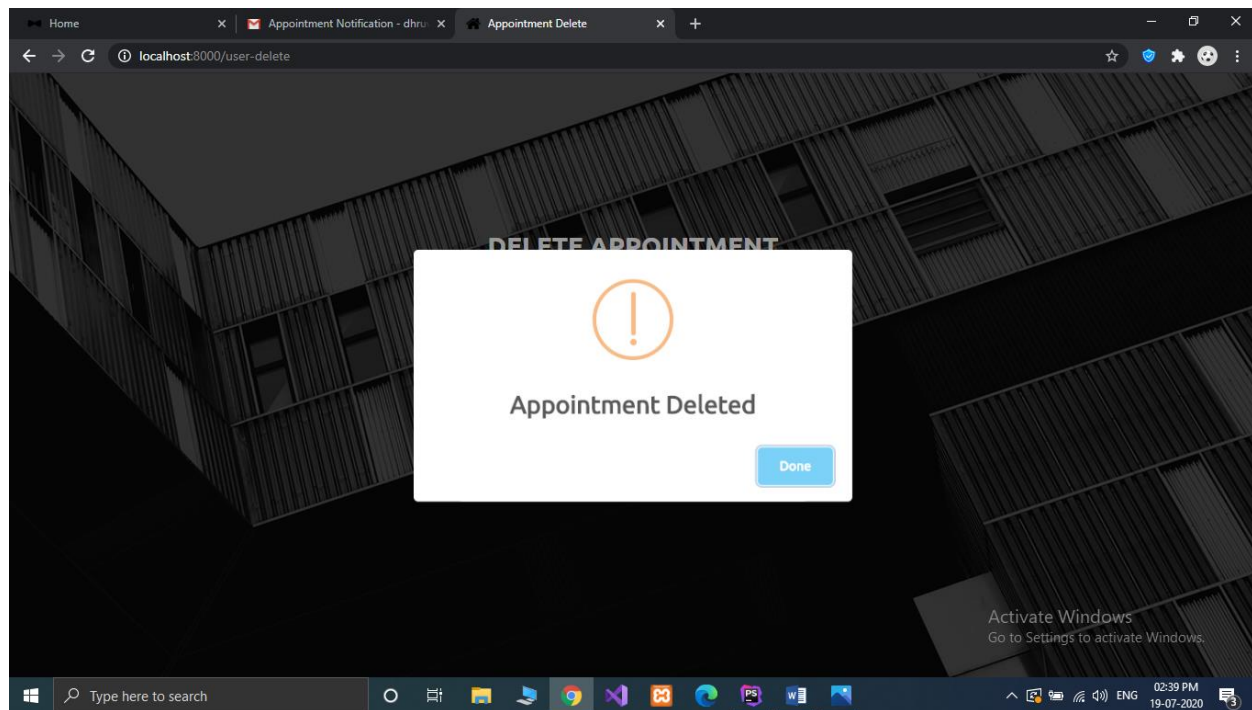
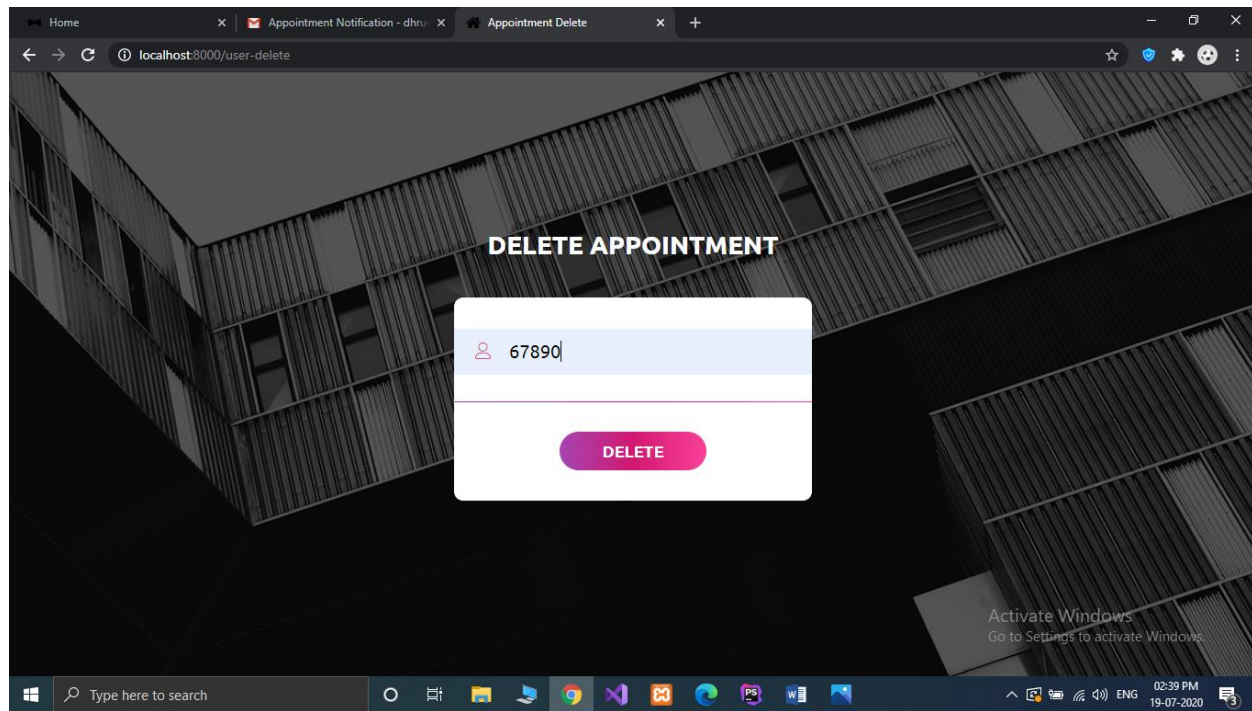


The Barcode when Scanned will Show the Civil ID



The Email will also contain a cancellation link which Redirects to other Page when Clicked. Where one needs to enter the civil ID if it matches in the database then it will delete the Appointment or will show an Error message.





The Above Screenshots Shows up All the functionalities Explained.

CHAPTER: 7 CONCLUSION

CHAPTER 7 CONCLUSION

Conclusion

The Conclusion of the Above Project is that in the Current Situation where there is need to maintain the Social Distancing this Project plays an Important role that with this System there is no need to wait in Long Queues and the Time and Money of the Customer. So this System is very useful to the Customer as well as the Stake Holders as looking on the Dashboard they can decide what is Going Up in the Market and What is Going Down.

CHAPTER: 8 REFERENCES

CHAPTER 8 REFERENCES

The references for project are:

- <https://laravel.com/>
- <https://laravel.com/docs/7.x>
- <https://laracasts.com/>
- <https://stackoverflow.com/> (in case of errors)
- YouTube for Reference
- And Google.com for Small-Small Solutions

Plagiarism Report:

Appointment Booking System			
ORIGINALITY REPORT			
5%	0%	0%	5%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS
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1	Submitted to Ganpat University		5%
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