**AWP + CC Mini Project**

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Group - 1

**Topic -** Develop a simple appointment booking system where users can book appointments for services. Admins can manage available time slots. Store appointment and user data in a cloud database.

**Mens Grooming & Salon**

**WebForm1.aspx.cs Code –**

using System;

using System.Threading.Tasks;

using System.Web.UI;

using FireSharp.Config;

using FireSharp.Interfaces;

using FireSharp.Response;

namespace MiniProject1

{

public partial class WebForm1 : System.Web.UI.Page

{

IFirebaseConfig ifc = new FirebaseConfig

{

AuthSecret = "QaBvwk3P8eTu8HKEbWU3bNyn85fpYO5UI2oeu6Ds",

BasePath = "https://men-s-grooming-and-salon-default-rtdb.asia-southeast1.firebasedatabase.app/"

};

IFirebaseClient client;

protected void Page\_Load(object sender, EventArgs e)

{

try

{

client = new FireSharp.FirebaseClient(ifc);

if (client == null)

{

ClientScript.RegisterStartupScript(this.GetType(), "alert", "alert('Error: Firebase client initialization failed.');", true);

}

}

catch (Exception ex)

{

ClientScript.RegisterStartupScript(this.GetType(), "alert", $"alert('Error: {ex.Message}');", true);

}

}

// Event handler for booking appointment

protected async void BookAppointment\_Click(object sender, EventArgs e)

{

// Retrieve values from form controls

string name = txtName.Text.Trim();

string phone = txtPhone.Text.Trim();

string address = txtAddress.Text.Trim();

string appointmentLocation = rblLocation.SelectedValue;

string appointmentDate = calendarAppointment.SelectedDate.ToString("yyyy-MM-dd");

string appointmentTime = ddlTiming.SelectedValue;

string serviceBooked = servicesddl1.SelectedValue; // Get selected service

// Validate that all required fields are filled

if (string.IsNullOrEmpty(name) || string.IsNullOrEmpty(phone) || string.IsNullOrEmpty(address) ||

string.IsNullOrEmpty(appointmentLocation) || string.IsNullOrEmpty(appointmentDate) || string.IsNullOrEmpty(appointmentTime))

{

// Display an alert if any field is missing

ClientScript.RegisterStartupScript(this.GetType(), "alert", "alert('Please fill out all fields before booking an appointment.');", true);

}

else

{

var appointmentDetails = new

{

Name = name,

Phone = phone,

Address = address,

AppointmentLocation = appointmentLocation,

AppointmentDate = appointmentDate,

AppointmentTime = appointmentTime,

ServiceBooked = serviceBooked // Add the service booked information

};

try

{

// Store details in Firebase asynchronously

SetResponse response = await client.SetAsync("Appointments/" + phone, appointmentDetails);

// Check if data was successfully written

if (response.StatusCode == System.Net.HttpStatusCode.OK)

{

// Display a success message

ClientScript.RegisterStartupScript(this.GetType(), "alert", "alert('Appointment booked successfully.');", true);

}

else

{

ClientScript.RegisterStartupScript(this.GetType(), "alert", "alert('Error: Failed to book the appointment.');", true);

}

}

catch (Exception ex)

{

// Display an error message if something goes wrong

ClientScript.RegisterStartupScript(this.GetType(), "alert", $"alert('Error: {ex.Message}');", true);

}

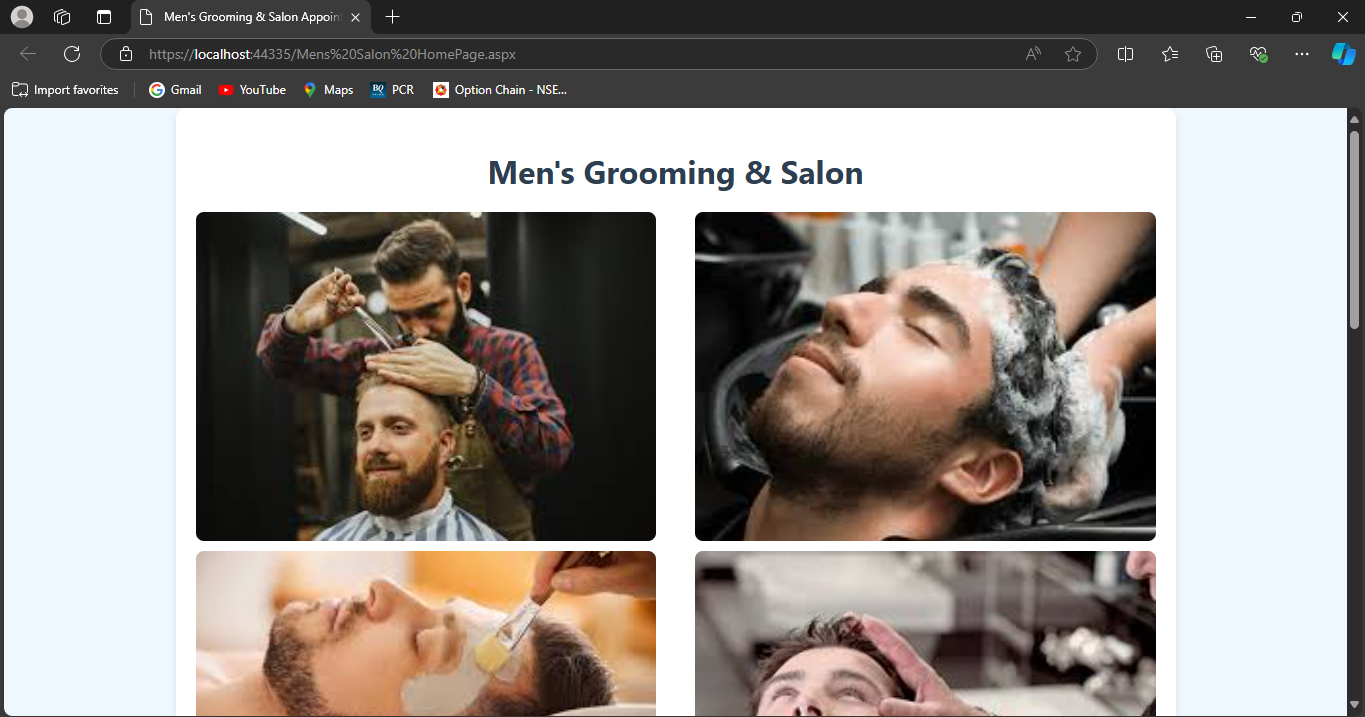
}

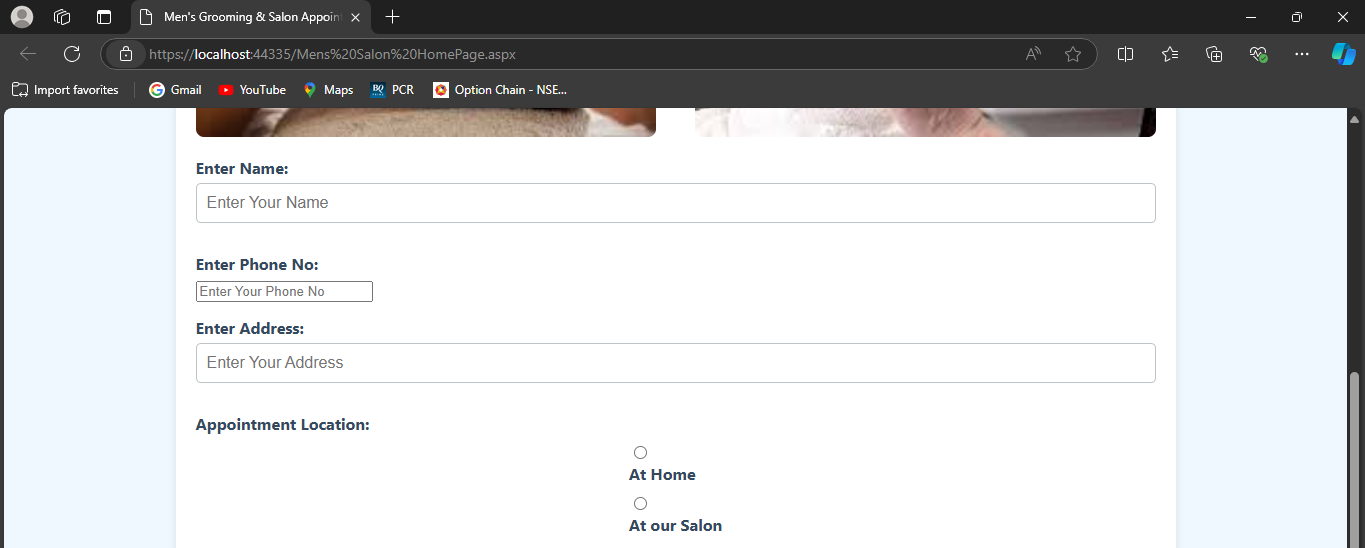
}

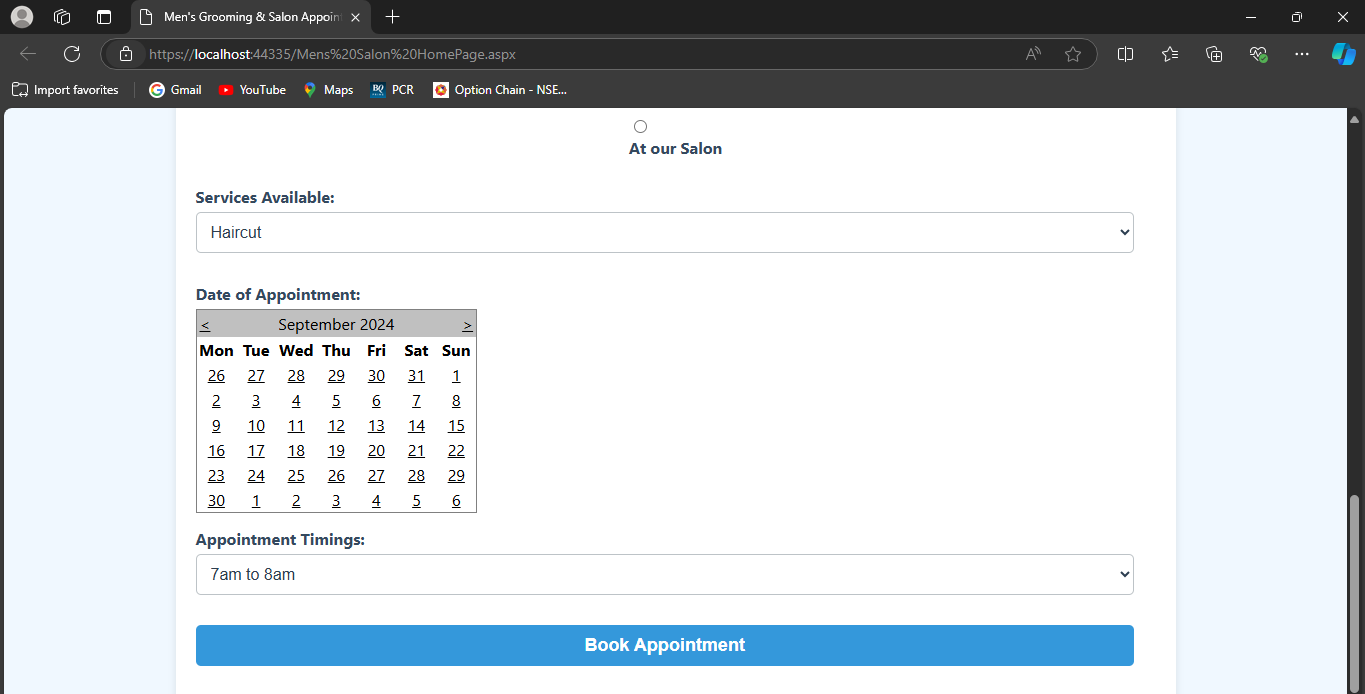
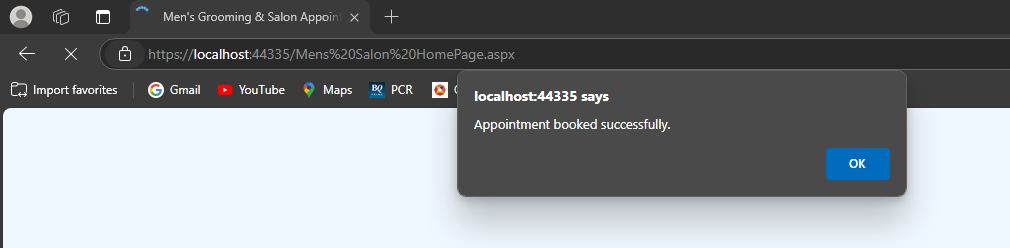
}

}

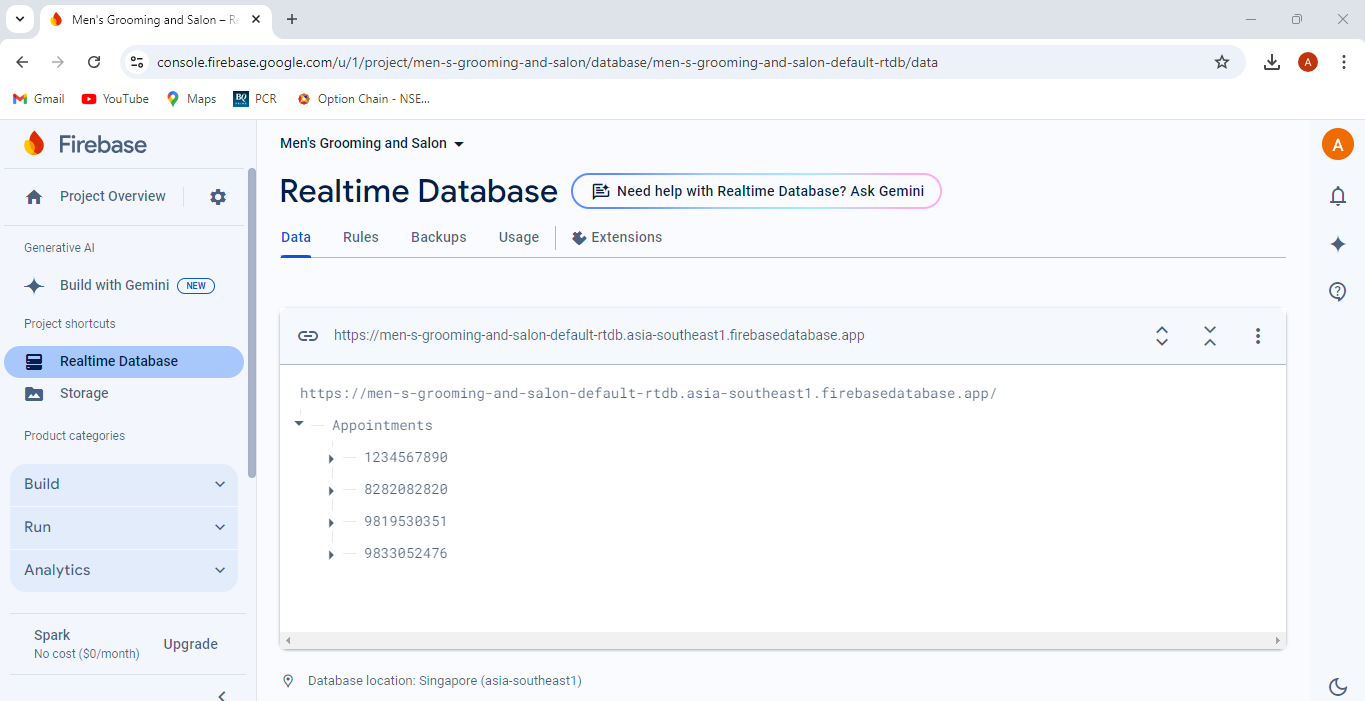
**OUTPUT –**

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**Database Configuration –**

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