



RADIO CABS WEB APPLICATION

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E-PROJECT

3rd-SEMESTER

(HDSE-I)



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*I acknowledge my teachers specially **Sir. JAWAID IQBAL AWAN** for providing the courses and helping me to develop the skills necessary to design this project. At Last, I would like to thank my family members for their constant and unrelenting support towards my education.*

PROJECT ANALYSIS

Definition of the Problem:

Radio Cabs is a complete website directory that provides information about Radio Taxi companies and their services in all major cities of the country. With the assistance of this online Radio Taxi, you can effortlessly find all information you need about Radio Taxi Rental Services with their respective companies who serve you in your cities. RadioCabs.in with its city-wise listing of best Radio Taxi operators helps you to indulge with the best cab experience providing safe, cost-effective, and highly personalized world-class transport, round-the-clock. It provides listings of Radio Cabs Companies from all over Pakistan.

Various Radio cabs company registers their account in this RadioCabs.in for advertising their company and attract Clients for using their services. For registering their accounts, it should have a Registration form. There should be an information page for the user where it explains all kinds of services provided by the organization. It also provides the listing of all the drivers throughout the country and companies can find the driver according to their needs. Companies can even advertise their organization through the advertise link provided by the site where they are supposed to register. Through advertisement companies can enhance their business online. For maintaining the information on the website in a particular section the organization is supposed to pay the RadioCabs.

Requirement Analysis:

Payment details must be stated on each registration page.

Payment can be done on two bases: -

- Monthly
- Quarterly

	Monthly	Quarterly
Registration	\$ 15	\$ 40
Driver	\$ 10	\$ 25
Advertisement	\$ 15	\$ 40

ADMIN: Administrator will have the authority to maintain all the data of registration part like Radio cabs registration form, Driver Registration form, Advertising form, Feed Back. There should be separate page for the admin where he/she can view the entire data and update it accordingly. The link should be disabled for others irrespective of their logins.

REGISTERED UNIT: They can view their information and can also check the status like whether received any order. The payment status of the user should be on the display and the can pay their due amount online either monthly or quarterly.

USER: They can view the data and its service features. They can search the data of the Radio Cabs Company, Drivers. They can even provide feedback and will be allowed to register in any section according to their needs.

Functional Requirements:

Home page: There should be an introduction part explaining the website's purpose. It should also contain all the menus like Listing, Drivers, Services, Advertise and Feed Back, and One section of the page should be utilized for authentication purpose.

Listing page: This page should be designed with two sections:

- Registration where any user can register their Radio Cabs Company
- Where the register company and its details can be searched.

Registration part should contain following details like

- Company Name

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- Company ID (should be check whether it is unique)
- Password
- Contact Person
- Designation
- Address
- Mobile
- Telephone
- Fax Number
- Email
- Member ship type (Premium, Basic, Free)
- Payment Type (once selected then appropriate amount should be on display)

Drivers Page: This page should be designed with two sections:

- Driver Registration page
- Where the registered driver details can be searched.

Registration part should contain following details like

- Driver Name
- Driver ID (should be check whether it is unique)
- Password
- Contact Person
- Address
- City
- Mobile
- Telephone
- Email
- Experience
- Description
- Payment Type (once selected then appropriate amount should be on display)

Advertise page: This page is used for placing the order for advertising their Radio cabs organization.

It should contain following details like

- Company Name
- Designation
- Address
- Mobile
- Telephone
- Fax Number
- Email
- Description
- Payment Type (once selected then appropriate amount should be on display)

Feedback Page: This page is used to take feedback from the user.

It should contain the following details like

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- Name
- Mobile No.
- Email
- City
- Type (Complaint, Suggestion, Compliment)
- Description

Note: there should be two buttons i.e. Submit Button and Reset Button in each Registration page

Submit Button: For registering their inputs

Reset Button: To Reset the form.

Customer Acceptance Criteria (CRS):

S.No.	Customer's Acceptance Criteria
1.	The home page is displaying general purposes like featured Companies, Gallery, Feedback, etc.
2.	A registration page is added which will allow new users to register to Radio Cabs.
3.	Manage Profile will allow users to see and update their profile.
4.	A search option is added through which users can find city-wise companies or drivers.
5.	Users can sort and filter the Companies and Drivers by City.
6.	An Advertisement option is added through which Company can advertise their Listing.
7.	A feedback section is added through which users can submit reviews about the site.
8.	The website is secure to use.
9.	The system is available 24/7 with minimum downtime.
10.	The website is user-friendly and easily operate.
11.	The system is compatible with the latest browsers.

Design Phase:

Designing the GUI:

Date: 2 – June - 2023	
Design Plan:	
Property	Value
Theme and Color Scheme	#f9d700
Form-Background Color	White
Title-Font Color	#f9d700
Title-Font Style	Poppins
Title-Alignment	Left
The background color of Controls on the form	White
The foreground color of Controls on the form	#232e40

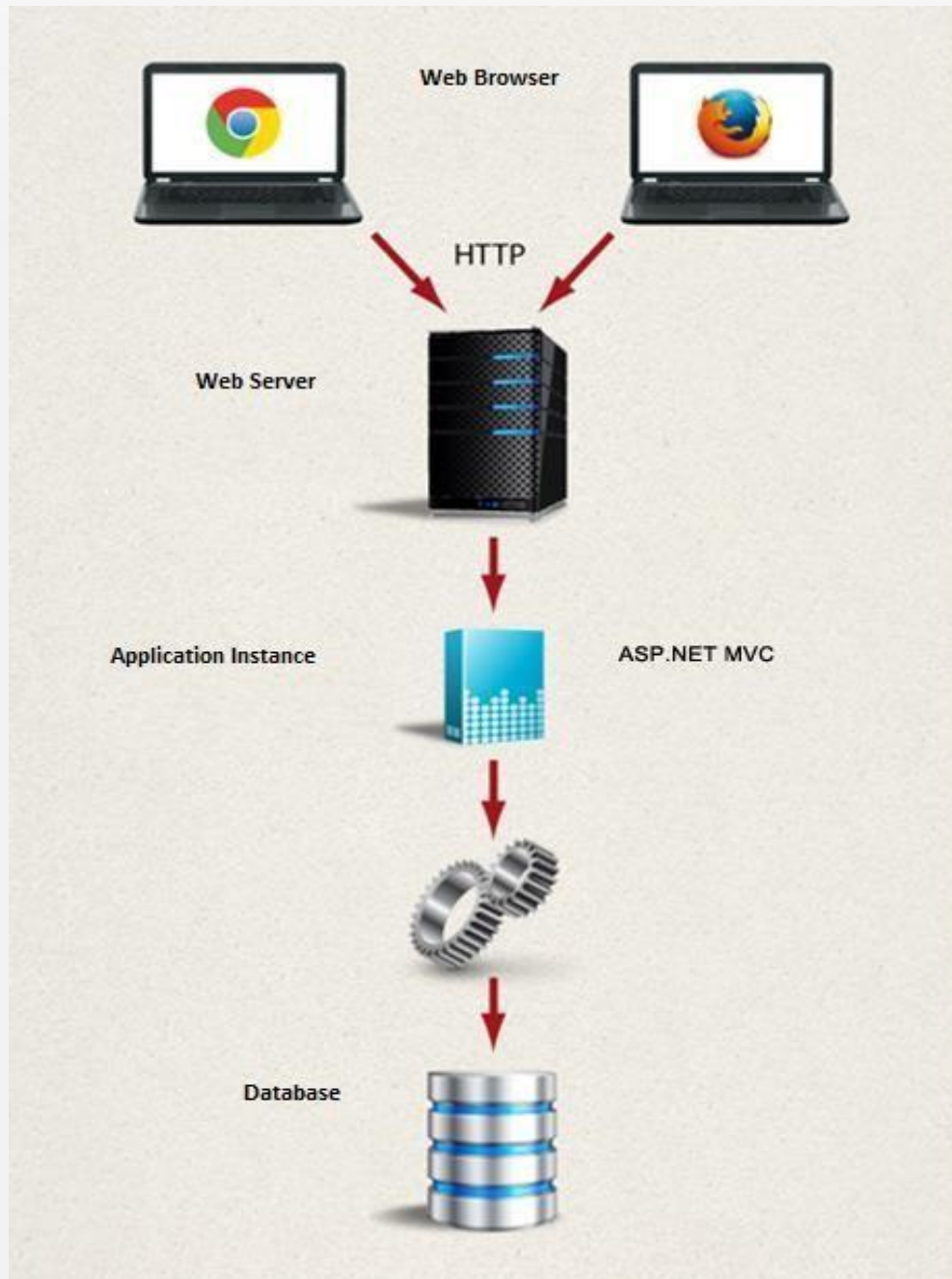
Forms to Be Created:

Page/Form Name	Controls on the Page/Form
User	User details
Company	Company details
Drivers	Drivers details
Advertisements	Advertisements details
Feedback	Feedback Option
Services	To Manage the Company's Services

Assigning and Monitoring Tasks:

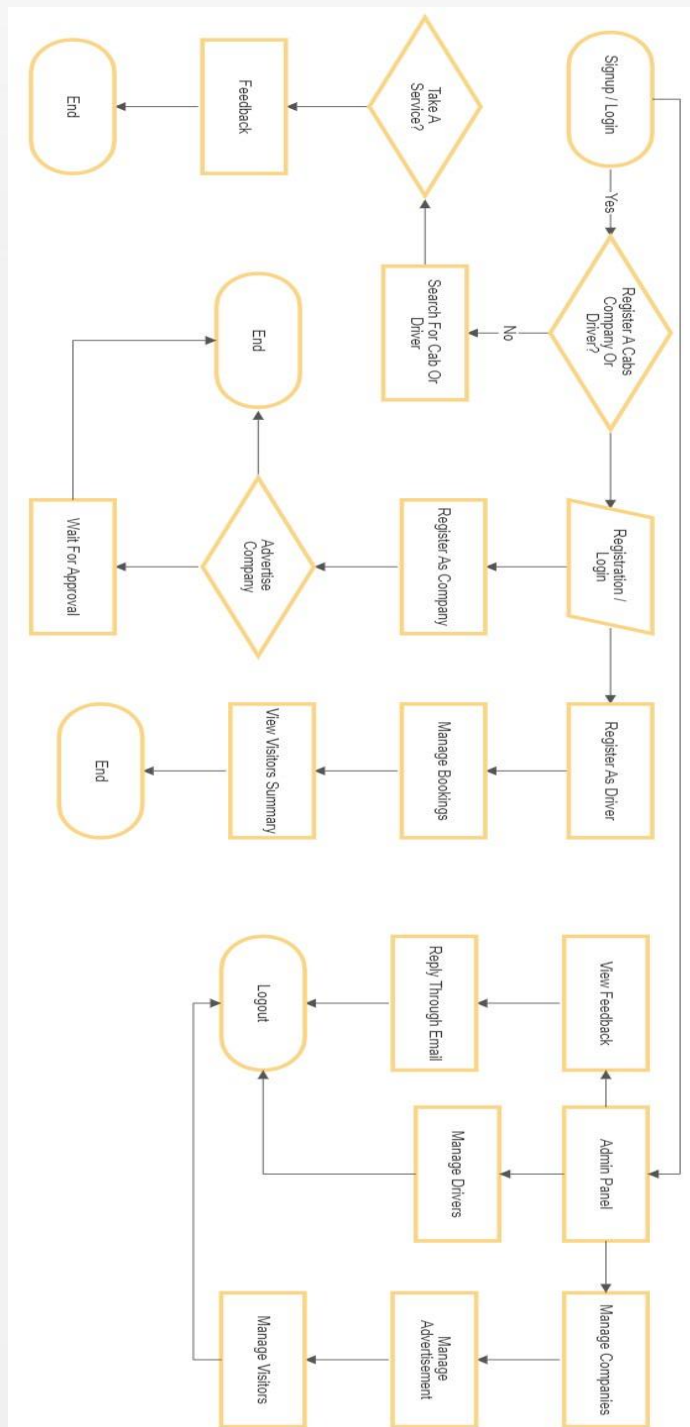
Task Sub Division	Description	Planned Start Date	Actual Start Date	Team Member
Frontend	All work related to the website (Frontend).	5 June 2023		Esha Noor Janjua & Ramish Ahmed.
Backend	All work related to Admin Panel.	5 June 2023		Umer Abdul Wahid & Ammar Ansari.
Documentation, User Manual, Logo	All Work related to documentation, logo, and images.	20 June 2023		Shaharyar Khan & Umer Abdul Wahid

The Architecture of Application:



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Flowchart for Radio Cabs:



Technologies Used

HTML5

Hypertext Markup Language revision 5 (HTML5) is a markup language for the structure and presentation of World Wide Web contents. HTML5 supports the traditional HTML and XHTML style syntax and other new features in its markup, New APIs, XHTML and Error handling.

CSS3

Cascading Style Sheets Level 3 (CSS3) is an iteration of the CSS standard used in styling and formatting Web pages. CSS3 incorporates the CSS2 standard with some changes.

CSS3 makes changes to how some visual elements are implemented and rendered by the browser. However, it is not a single unwieldy specification, unlike CSS2. CSS3 is separated into separate modules to facilitate development. This means that the specification comes out in chunks, with more stable modules than others. Some would be ready for recommendation, while others would be marked as under development drafts, the most recent of which were published as early as June 1999. Some of the major modules of CSS3 are:

- Image values and replaced content
- Text effects
- Selectors
- Backgrounds and borders
- Animations
- User interface (UI)
- Multiple column layout
- 2D/3D transformations

JavaScript

HTML pages are fine for displaying static content, e.g. a simple image or text. However, most pages nowadays are rarely static. Many of today's pages have menus, forms, slideshows and even images that provide user interaction. JavaScript is the language employed by web developers to provide such interaction. Since JavaScript works with HTML pages, a developer needs to know HTML to harness this scripting language's full potential. While there are other languages that can be used for scripting on the Web, in practice it is essentially all JavaScript.

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C#

C# (C-Sharp) is a programming language developed by Microsoft that runs on the .NET Framework. C# is used to develop web apps, desktop apps, mobile apps, games, and much more.

Microsoft SQL Server

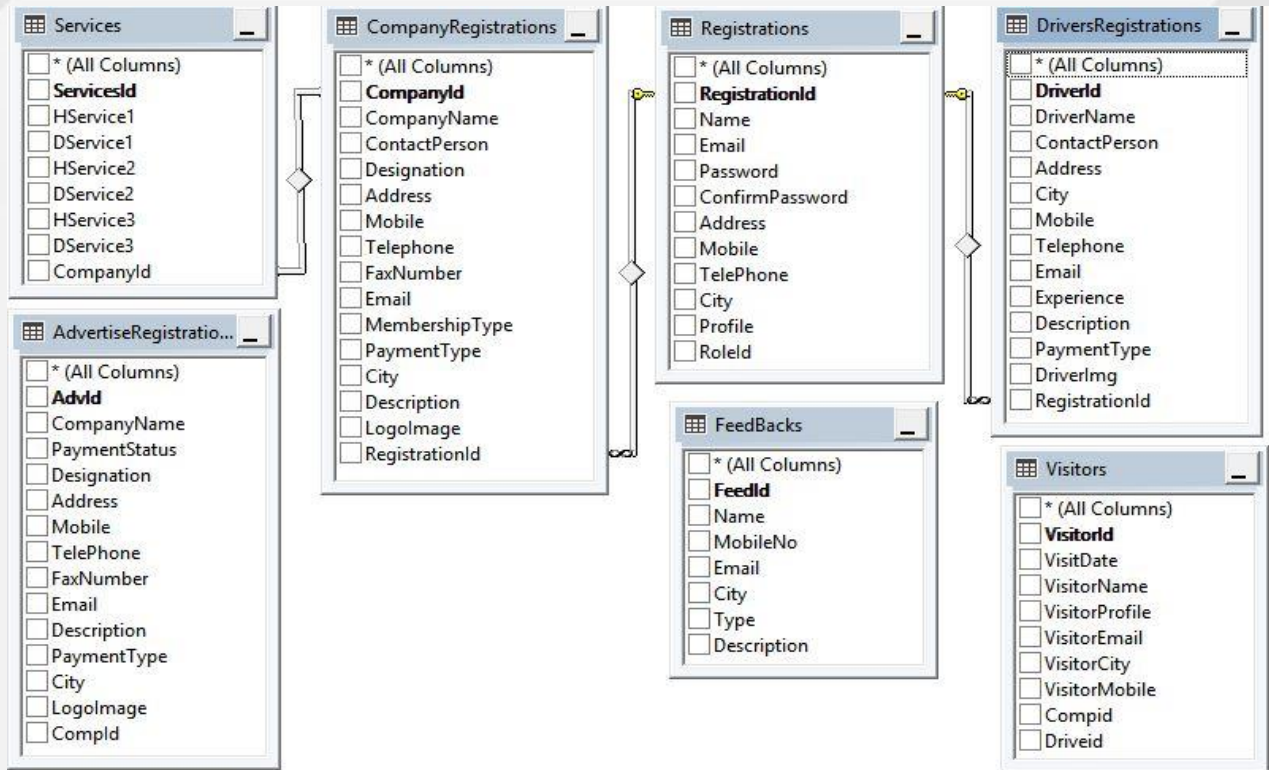
SQL Server is a relational database management system, or RDBMS developed and marketed by Microsoft.

Similar to other RDBMS software, SQL Server is built on top of [SQL](#), a standard programming language for interacting with relational databases. SQL Server is tied to Transact-SQL, or T-SQL, Microsoft's implementation of SQL that adds a set of proprietary programming constructs.

SQL Server works exclusively on the Windows environment for more than 20 years. In 2016, Microsoft made it available on Linux. SQL Server 2017 became generally available in October 2016 that ran on both Windows and Linux.

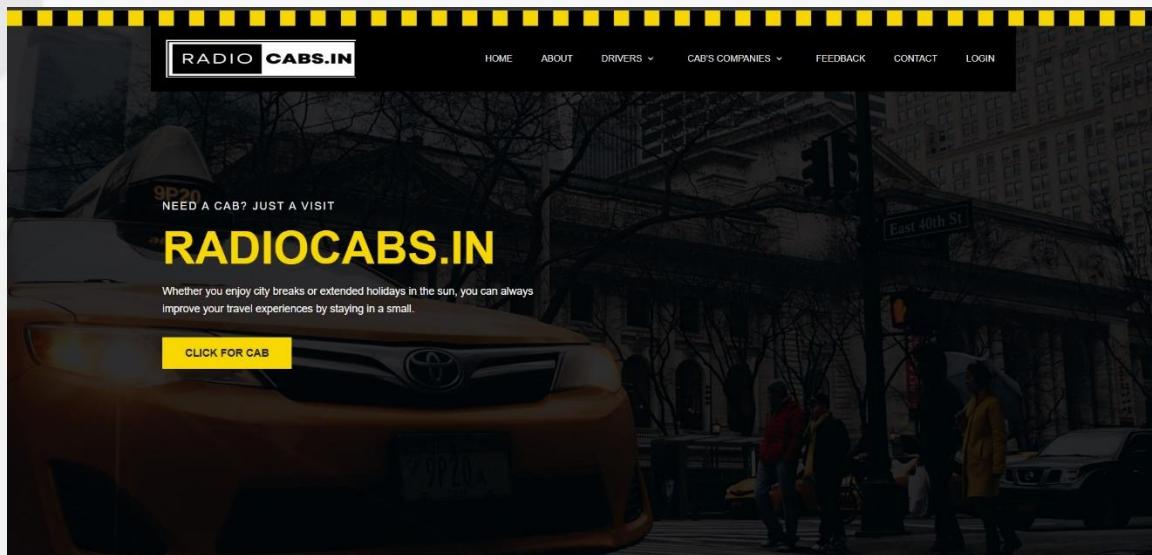
Solutions to Functional Requirements

Database:

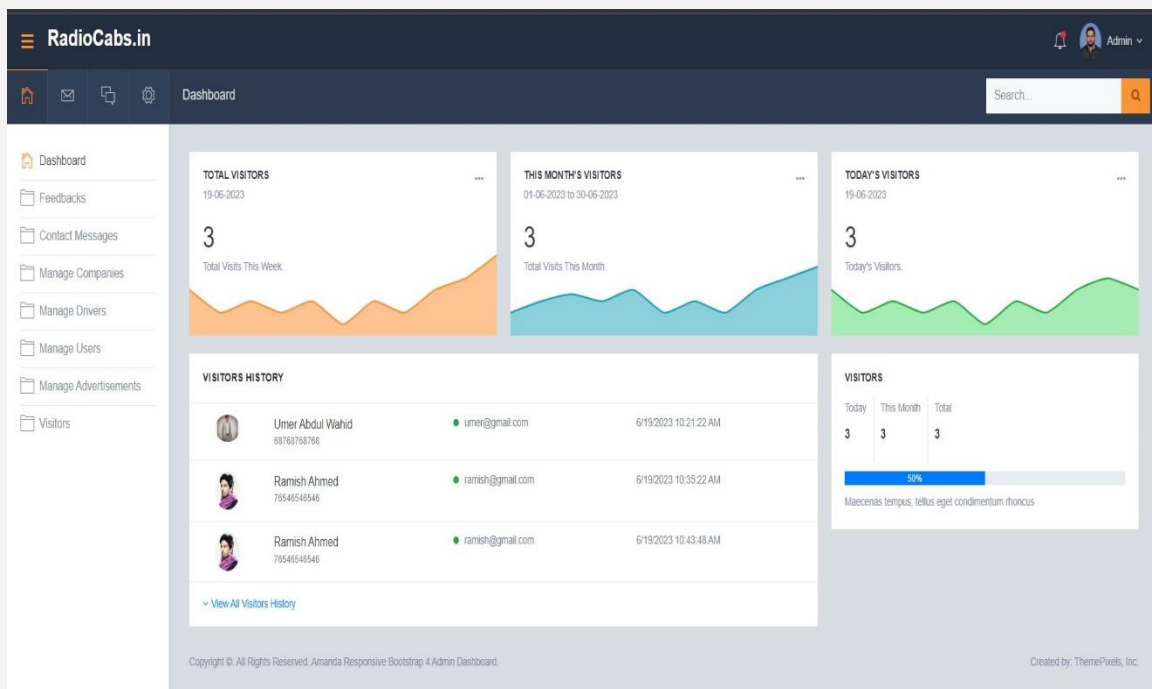


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Home:

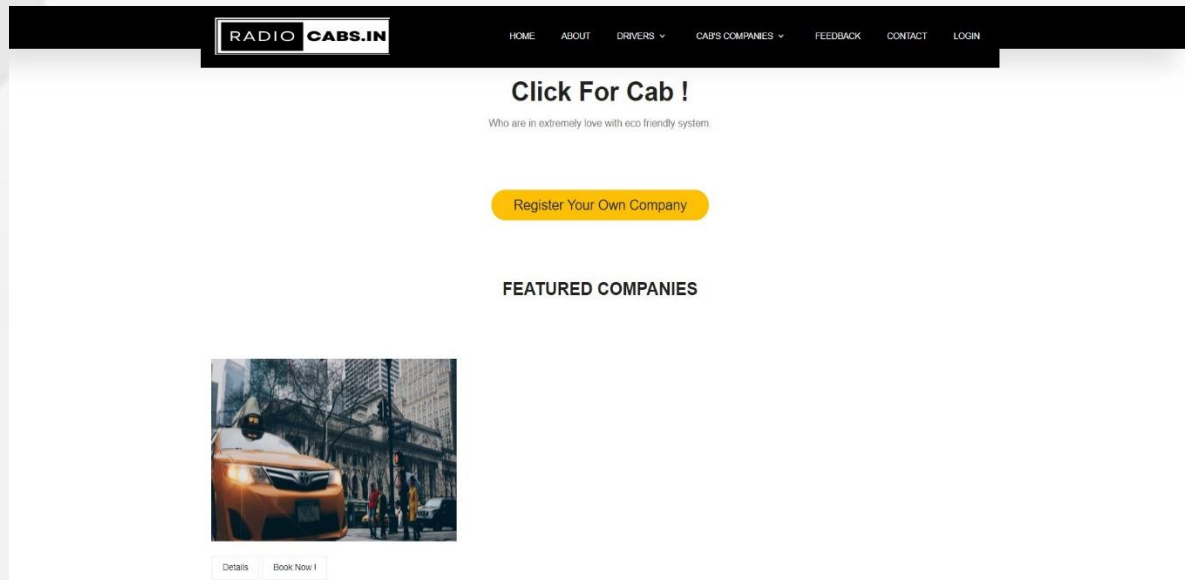


Admin:

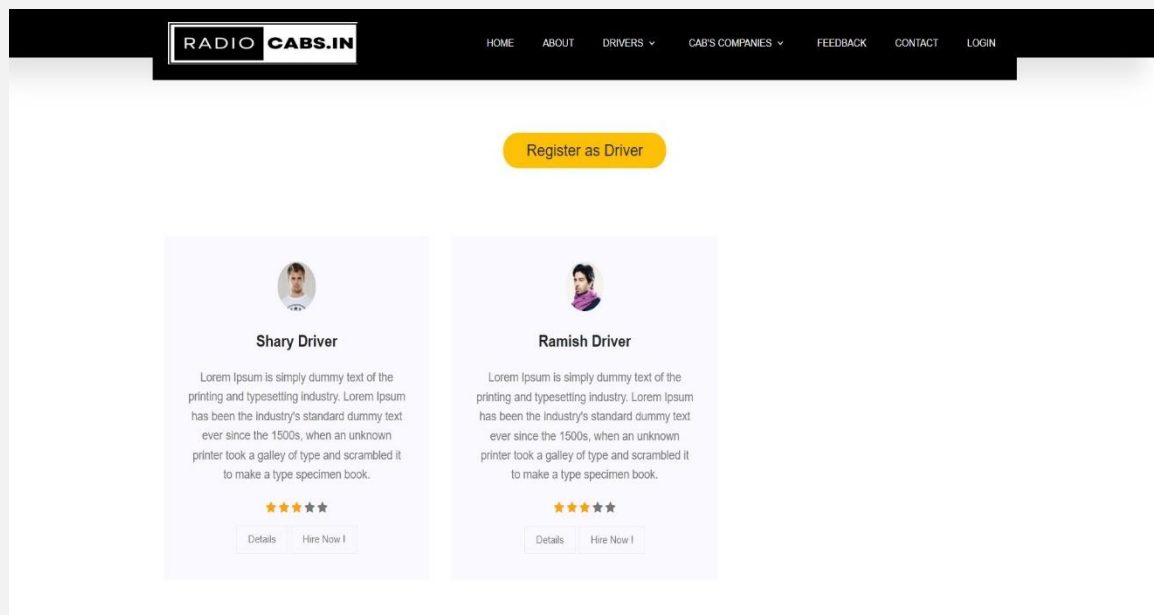


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COMPANIES:



DRIVERS:




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ADVERTISEMENT:

RADIO CABS.IN

[HOME](#) [ABOUT](#) [DRIVERS](#) [CABS COMPANIES](#) [FEEDBACK](#) [CONTACT](#) [LOGIN](#)

FEATURED COMPANIES



[Details](#) [Book Now !](#)

Ubers Cab Services

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the

City : Karachi

SOURCE CODE

User Registration:

```
57 // For more details, see http://go.microsoft.com/fwlink/?LinkId=319590
58 [HttpPost]
59 [ValidateAntiForgeryToken]
60 0 references
61 public async Task<IActionResult> Create(Registration registration, IFormFile image)
62 {
63     if (image != null)
64     {
65         string ext = Path.GetExtension(image.FileName);
66         if (ext == ".jpg" || ext == ".png")
67         {
68             string d = Path.Combine(iw.WebRootPath, "Image");
69             var fname = Path.GetFileName(image.FileName);
70             string filepath = Path.Combine(d, fname);
71             using (var fs = new FileStream(filepath, FileMode.Create))
72             {
73                 await image.CopyToAsync(fs);
74             }
75             registration.Profile = @"Image/" + fname;
76             _context.Add(registration);
77             await _context.SaveChangesAsync();
78             return RedirectToAction(nameof(UserLogin));
79         }
80         else
81         {
82             ViewBag.m = "Wrong Picture Format";
83         }
84     }
85     return View(registration);
86 }
```


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Company's Registration:

```
158 [HttpPost]
159 [ValidateAntiForgeryToken]
160
161 public async Task<IActionResult> CompanyForm(CompanyRegistration companyRegistration, IFormFile image)
162 {
163     if (image != null)
164     {
165         int comp = _context.CompanyRegistrations.Any() ? _context.CompanyRegistrations.Max(e => e.CompanyId) : 0;
166         string ext = Path.GetExtension(image.FileName);
167         if (ext == ".jpg" || ext == ".png")
168         {
169             string d = Path.Combine(iw.WebRootPath, "Image");
170             var fname = Path.GetFileName(image.FileName);
171             string filepath = Path.Combine(d, fname);
172             using (var fs = new FileStream(filepath, FileMode.Create))
173             {
174                 await image.CopyToAsync(fs);
175             }
176             companyRegistration.LogoImage = @"Image/" + fname;
177             _context.Add(companyRegistration);
178             await _context.SaveChangesAsync();
179             HttpContext.Session.SetInt32("Co", comp);
180             return RedirectToAction("Index", "Home");
181         }
182         else
183         {
184             ViewBag.m = "Wrong Picture Format";
185         }
186     }
187     return View(companyRegistration);
188 }
189
```

Driver's Registration:

```
77 [HttpPost]
78 [ValidateAntiForgeryToken]
79
80 public async Task<IActionResult> DriverForm(DriversRegistration driversRegistration, IFormFile image)
81 {
82     //int driv = _context.DriversRegistrations.Max(e => e.DriverId);
83     int driv = _context.DriversRegistrations.Any() ? _context.DriversRegistrations.Max(e => e.DriverId) : 0;
84     if (image != null)
85     {
86         string ext = Path.GetExtension(image.FileName);
87         if (ext == ".jpg" || ext == ".png")
88         {
89             string d = Path.Combine(iw.WebRootPath, "Image");
90             var fname = Path.GetFileName(image.FileName);
91             string filepath = Path.Combine(d, fname);
92             using (var fs = new FileStream(filepath, FileMode.Create))
93             {
94                 await image.CopyToAsync(fs);
95             }
96             driversRegistration.DriverImg = @"Image/" + fname;
97             _context.Add(driversRegistration);
98             await _context.SaveChangesAsync();
99             HttpContext.Session.SetInt32("Dr", driv);
100             return RedirectToAction("Index", "Home");
101         }
102         else
103         {
104             ViewBag.m = "Wrong Picture Format";
105         }
106     }
107     return View(driversRegistration);
108 }
109
```

USER GUIDE

A. System Requirements:

No.	Items	Description
1	Operating System	Microsoft Windows 8.1, 10, or higher
2	Database	SQL Server
3	Software	Visual Studio 2017 or higher (with ASP.NET MVC templates)

B. Install and Run Application:

Step 1: Install SQL Server on the local system.

Step 2: check Connection string and the update Database.

Step 3: Execute the application.

Admin Login:

- Email: admin@admin.com
- Password: admin123