

Online Interactive Driver-Police Control System



REQUIREMENT ANALYSIS & FEATURE DESCRIPTION



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“Online Interactive Driver-Police Control System”

Introduction:

Online Driver-Police Interactive Control System is an idea to bring together all drivers and traffic polices under one digital platform and control them by one higher authority. This Interactive System will be a Web Browser based application. This will be a multi user control system-based application namely-Driver, Police and Admin. Where it's user will be allowed to make a request to join this platform and accepted members by the admin will be able to see their current status on the website. Drivers will be given a certain point and the points will decrease based around their actions and Admin will have the higher power to judge them whether drivers are eligible to drive or not. Traffic Police will have the authority to check validation papers submit case against any driver connected to the system. Admin will hold the highest authority here and will decide whether driver or police is eligible to stay or not.

The main objective of the development of the project is to build a website using Hypertext Markup Language that will enable the programmer to learn the right way of conducting analysis and development of a web based software and will also enable the programmer to how to collect data, manage and interpret and draw conclusion from them using a Database. The followings are the language for the development of the Website:

- **HTML**
- **CSS**
- **JAVA SCRIPT**
- **PHP**
- **SQL**

HTML (Hypertext Markup Language), **CSS** (Cascading Style and Sheets) and **Java Script** will be used to design the Frontend which will help to display designed documents in web browser. **SQL** (Standard Query Language) will be used to design the Backend and SQL will work as a DDL (Data Definition Language) and DML (Data Manipulation Language) to create Databases and manage them. **PHP** (Personal Home Page) will be used create Connection between frontend and backend.

The main purpose of this project is to increase transparency between driver and police and decreasing the level of harassment Driver-police face maintaining traffic rules in a digital way.

Home-Page

*This page acts as a public view for the Driver, Police, Admin and any visitor to this site. It contains several options like- **Navigation Bar, Sign In Section, Ranking Tables, Disbanded User list, Rules and Regulation-Box and Global Clock and Date.** If student clicks on any of this options s/he will be redirected to that page*

Navigation Bar

Home

It will contain the link of homepage itself. When a user will click on it, it will redirect to homepage

Driver

It contains the link of Driver Sign In page. When a user will click on it, it will redirect to Driver's Sign In Page

Police

It contains the link of Police Sign In page. When a user will click on it, it will redirect to Police's Sign In Page

Admin

It contains the link of Admin Sign In page. When a user will click on it, it will redirect to Admin's Sign In Page

FAQ

It will contain generally asked question about how to sign up/ sign in, query about this site etc.

		Sign In		
				<i>Whenever a Driver or Police or Admin sign in with username/Email and password, they will be redirected to the corresponding account home page.</i>
		Ranking Table		
				<i>It will contain to the top Driver of a month/week based around their performance.</i>
		Disbanded Driver List		
				<i>It will contain to the disbanded Driver of a month/week based around their performance.</i>
		Rules and Regulations		
				<i>It will contain to description of traffic rules and importance of maintaining them.</i>
		Nav-Box		
				<i>users can browse social media like Facebook, twitter, Instagram, google etc. through this section.</i>
		Global Clock and Date		
				<i>It will contain a simple Date-Time and Calendar System for Visitors.</i>

Account Driver: (Sign In)

A Driver Can Login/Sign In with his Email and Password and By Sign In he will be redirected to his Driver Home Page. A Visitor can also register for a new Driver account through this page and If a user Forgot his password, he can retrieve password from this page.

Log In

A Driver Can Login/Sign In with his Email and Password and By Sign In he will be redirected to his Driver Home Page

Forgot Password?

If a user Forgot his password, he can retrieve password from this page.

Register

If a visitor needs an account, he registers for a new Driver account through this page.

Account Police: (Sign In)

A Police Can Login/Sign In with his Email and Password and By Sign In he will be redirected to his Police Home Page. A Visitor can also register for a new Police account through this page and If a user Forgot his password, he can retrieve password from this page.

Log In

A Police Can Login/Sign In with his Email and Password and By Sign In he will be redirected to his Police Home Page.

Forgot Password?

If a Police Forgot his password, he can retrieve password from this page.

Register

If a visitor needs an account, he register for a new Police account through this page.

Account Admin: (Sign In)

An Admin Can Login/Sign In with his Email, Password. By Sign In he/she will be redirected to his Admin Home Page. A Visitor can also register for a new Admin account through this page and If an Admin Forgot his password, he can retrieve password from this page.

Log In

A Police Can Login/Sign In with his Email and Password and By Sign In he will be redirected to his Admin Home Page.

Forgot Password?

If an Admin Forgot his password, he can retrieve password from this page.

Register

If a visitor need an account he register for a new Admin account through this page. For Registration a secret Pin code provided by Association will be needed.

Account Driver:(Home)

*This page acts as a dashboard for the Driver. It contains several options like- **Profile, Edit Info, notice board, and Case Log**. If Driver clicks on any of this options s/he will be redirected to that page*

Profile

*It will contain Information about a Driver Like- **Driver ID**(A unique ID given from the website's database),**Name**(Full name of the Driver), **NID**(National ID Card of the Driver), **Profile Picture**(Picture of the Driver uploaded with registration), **Email**(The email of the User), **DOB**(The Date of Birth of the driver given in time of registration), **Driving License Number**(Number of the Driver's Driving License Issued by the Bangladesh Road Transport Authority), **Driving License Picture**(The picture of the license given in time of registration), **License Type**(The type of the license like learners, Non-professional, Professional), **License Issue Date**(Issue date of the license), **License Expire**(Expire date of the license), **Address**(Permanent and Temporary address of the Driver), **Nationality**(Which country the driver was born provided with the registration), **Number of Cases**(Number of violations filed against the Driver), **Points**(The remaining Points of the Driver), **Join Date**(Joining Date of the Driver), **Emergency Contact**(Emergency contact information of the driver like Name, Phone number, address, relation etc.)*

		Edit Info		
				<p>A Driver Can edit his/her general information Like- Name(Full name of the Driver), Profile Picture(Picture of the Driver uploaded with registration), Email(The email of the User), Driving License Picture(The picture of the license given in time of registration), License Type(The type of the license like learners, Non-professional, Professional), License Issue Date(Issue date of the license), License Expire(Expire date of the license), Address(Permanent and Temporary address of the Driver), Nationality(Which country the driver was born provided with the registration), Emergency Contact(Emergency contact information of the driver like Name, Phone number, address, relation etc)</p>
		Case Log		
				<p>It will contain no of cases A driver obtained and information regarding these cases.</p>
		Notice Board		
				<p>It will contain notices and announcement from Admin/Police.</p>

Account Police:(Home)

*This page acts as a dashboard for the Police. It contains several options like- **Profile, Edit Info, notice board, and Case Issue**. If Driver clicks on any of this options s/he will be redirected to that page*

Profile

*It will contain Information about a Police like- **Badge ID**(A Unique ID of a Police), **Badge Picture**(Picture of the police badge given with registration), **Name**(Full name of the Police), **Police Department**(The current department name of the assigned police), **NID**(National ID Card of the Police), **Profile Picture**(Picture of the Police uploaded with registration), **Position**(The current post position of the police), **Region of work**(Working area of the Traffic Police), **Email**(The email of the User), **DOB**(The Date of Birth of the police given in time of registration), **Address**(Permanent and Temporary address of the Police), **Nationality**(Which country the police was born provided with the registration), **Gender**(Gender of the Police), **Phone Number**(The phone number of the police), **Number of Cases filed**(Number of cases filed against drivers), **Join Date**(Joining Date of the Police), **Emergency Contact**(Emergency contact information of the police like Name, Phone number, address, relation etc).*

		Edit Info		
				<p>A Police Can edit his/her general information Like- Badge Picture(Picture of the police badge given with registration), Name(Full name of the Police), Police Department(The current department name of the assigned police), Profile Picture(Picture of the Police uploaded with registration), Position(The current post position of the police), Region of work(Working area of the Traffic Police), Email(The email of the User), DOB(The Date of Birth of the police given in time of registration), Address(Permanent and Temporary address of the Police), Nationality(Which country the police was born provided with the registration), Gender(Gender of the Police), Phone Number(The phone number of the police), Join Date(Joining Date of the Police), Emergency Contact(Emergency contact information of the police like Name, Phone number, address, relation etc.).</p>
		Case Issue		
				It will contain information regarding cases against a Driver.
		Notice Board		
				It will contain notices and announcement from Admin.

Account Admin:(Home)

*This page acts as a dashboard for the Admin. It contains several options like- **Profile, Edit Info, Edit Driver, Edit Police, notice board**, If Driver clicks on any of this options s/he will be redirected to that page*

Profile

*It will contain Information about an Admin like- **Admin ID**(A Unique ID of a Police), **Name**(Full name of the Police), **Profile Picture**(Picture of the Police uploaded with registration), **Email**(The email of the User), **DOB**(The Date of Birth of the police given in time of registration), **Address**(Permanent and Temporary address of the Police), **Nationality**(Which country the police was born provided with the registration), **Gender**(Gender of the Police), **Phone Number**(The phone number of the police), **Join Date**(Joining Date of the Police), **Emergency Contact**(Emergency contact information of the police like Name, Phone number, address, relation etc.).*

		Edit Info		
				<p>An Admin Can edit his/her general information Like- Name(Full name of the Police), Profile Picture(Picture of the Police uploaded with registration), Email(The email of the User), DOB(The Date of Birth of the police given in time of registration), Address(Permanent and Temporary address of the Police), Nationality(Which country the police was born provided with the registration), Gender(Gender of the Police), Phone Number(The phone number of the police), Join Date(Joining Date of the Police), Emergency Contact(Emergency contact information of the police like Name, Phone number, address, relation etc.)</p>
		Edit Driver		
				<p>An Admin can edit general information of a driver Like-- Driver ID(A unique ID given from the website's database),Name(Full name of the Driver), NID(National ID Card of the Driver), Profile Picture(Picture of the Driver uploaded with registration), Email(The email of the User), DOB(The Date of Birth of the driver given in time of registration), Driving License Number(Number of the Driver's Driving License Issued by the Bangladesh Road Transport Authority), Driving License Picture(The picture of the license given in time of registration), License Type(The type of the</p>

				<i>license like learners, Non-professional, Professional), License Issue Date(Issue date of the license), License Expire(Expire date of the license), Address(Permanent and Temporary address of the Driver), Nationality(Which country the driver was born provided with the registration), Number of Cases(Number of violations filed against the Driver), Points(The remaining Points of the Driver), Join Date(Joining Date of the Driver), Emergency Contact(Emergency contact information of the driver like Name, Phone number, address, relation etc.)</i>
		Edit Police		
				<i>An Admin can edit general information of a driver Like-- Badge ID(A Unique ID of a Police), Badge Picture(Picture of the police badge given with registration), Name(Full name of the Police), Police Department(The current department name of the assigned police), NID(National ID Card of the Police), Profile Picture(Picture of the Police uploaded with registration), Position(The current post position of the police), Region of work(Working area of the Traffic Police), Email(The email of the User), DOB(The Date of Birth of the police given in time of registration), Address(Permanent and Temporary address of the Police), Nationality(Which country the police was born provided with the registration), Gender(Gender of the Police),</i>

				Phone Number (The phone number of the police), Number of Cases filed (Number of cases filed against drivers), Join Date (Joining Date of the Police), Emergency Contact (Emergency contact information of the police like Name, Phone number, address, relation etc.).
		Notice Board		
				An Admin can send important notice, announcement to all user connected to the System.