A

REPORT

ON

"INDUSTRIAL TRAINING PROJECT"
"Online FIR Filling System"

SUBMITTED

TO

DEEN DAYAL UPADHAYA KAUSHAL KENDRA
(SOFTWARE DEVELOPMENT AND E-GOVERNANCE)

SUBMITTED TO:

DR. AMITABHA YADAV

SUBMITTED BY:

JATIN MISHRA
715625

ACKNOWLEDGMENT

I express thanks and gratitude and thanks to Almighty God, my parents and other family members and friends without whose uncontained support, I could not have made this project sucessfully.

I wish to place my deep sense of gratitude to my project mentor, **Mr. Manish Kumar Gupta, Ashtbit Technologies, Lucknow** for his constant motivation and valuable help through the project work. Express my gratitude to **Dr. Amitabha Yadav**, **Head of Department ,Deen Dayal Upadhaya Kaushal Kendra(Software Development & E-Governance)**, **National Post Graduate College** for her valuable suggestions and advices through out the development of this project an my graduation period. I also extend my thanks to other Faculties for their cooperation during my course.

Finally, I would like to thank my friends for their cooperation to complete this project.

Jatin Mishra

ashTbit
Intuition.Imagination.Innovation

ASHTBIT TECHNOLOGIES PVT. LTD.
103 Orchid Apartments, Sector-2, Vikas Nagar
Lucknow – 226022, Uttar Pradesh, India
(P): +91 522 4102737 | www.ashtbit.com
CIN: U72900MH2007PTC170291

Registered Address: SOBRA, Unit # 4, 1st Floor, 122 St. Cyril Road, Bandra (West), Mumbai 400050, INDIA.

20 Apr, 2018

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. Jatin Mishra, pursuing his B.Voc (Software Development & E-Governance), 3rd year has successfully completed industrial training held at our company during 27 December 2017 to 27 March 2018 under the mentorship of **Mr. Manish Kumar Gupta**, Senior Software Engineer.

We found him sincere, hardworking, technically sound and result oriented. He worked well as part of a team during his tenure. We take this opportunity to thank him and wish him all the best for his future.

For Ashtbit Technologies Private Limited

Sachin Dubey

Sachin Dubey
Authorized Signatory

ASHTBIT TECHNOLOGIES PVT. LTD. LUCKNOW

TABLE OF CONTENTS

1.ABSTRACT

The project is titled ‘Online FIR System’. The system Online FIR System project is quite unique .It is designed to bridge the gap between the police and the common people. There are plenty of applications nowadays for shopping, travel and even for gaming purposes. However, there is no application for the purpose of registering FIR. I intend to create a system where the users could register an FIR under various IPC sections anywhere , anytime without needing to worry about the working hours or place. I believe this will be a widely used system in the future and will help to bridge the gap between the police department and the people.

2.INTRODUCTION

The crime rate is increasing at an alarming rate and there are no existing technical systems in our country for the purpose of registering a case and managing the activities related to the FIR. I intend to create a project which will help bridge the gap between the police department and the common man. ‘Online FIR System’ project will be an online platform from where the users can file FIR against the offender. The main site will be maintained by the admin (from the police) who will then notify the user if the FIR has been registered and the necessary action has been taken .There will be a robust authentication process so that only the genuine citizens can register a case. The user will have to enter the 12 digit AADHAR card number, against which all his entered details will be verified. The user will be required to upload the FIR in .txt format. The users will be notified if the police have filed the FIR. This project is administration friendly too. The Online FIR System will have two separate admin panels one for the police station administration which will handle and process all the FIR's filled for that particular station and the other for Head Quarter Administration which will be used to manage all the police station related operations.

3. NEED OF PROJECT

3.1 MOTIVATION

There is a gap between the common man and the police. People are very hesitant to go to the police and register the case. FIR registration has to be done manually taking into regard the working hours and the physical location. Slow registration of FIR in Accidents and assault cases is one of the biggest problems which we believe needs to be taken care of as it can save time leading to early treatment of the victims. The offline or manual system is not time efficient. The Online FIR System will be a better option than the manual FIR filing system. We believe it will be a very efficient system, providing a fast and easy access to the FIR filing system which is very important for a healthy society.

3.2 THE EXISTING SYSTEM

According to the Indian Jurisdiction and Law, a citizen can lodge a complaint for a cognizable offence. For any such offence, an FIR can be registered either by the victim of the offence or by someone else on his/her behalf. The report can be made either orally or in writing to the police. FIR is a crucial first step towards registration of complaint because only after the FIR has been registered the police can start investigation on the committed offence. The current scenario is that any person who has witnessed the commission of any such offence, has to rush to a Police Station in order to tell about the proceedings and lodge a complaint. A physical transfer of the person is required from the spot of crime to the police station. Many a times it so happens that important details about the offender is missed out by the victim due to this commute. Moreover the problem resides in availability of police station nearby, which might add on to the time between occurrence of the offence and investigation being started on it.

4.PROPOSED SYSTEM ADVANTAGES

The following are the advantages of the Online FIR System over the present manual system:

1) **Time and Energy Saving:** The system prevents the complainant from the need to manually go to a police station to lodge a complaint. Using the web application in his/her mobile phone or computer, one can easily register the complaint with the police. Also the complaintnee does not need to repeatedly go to the police station for getting updates on his case as he/she would be notified through the application.

2) **Ease of Accessibility for Public:** It is often observed that people refrain from going to the police station. Many think it is time consuming and that they would have to bribe the police to get the work done, while many are simply hesitant to lodge a complaint due to societal factors. This system allows anybody to lodge complaint and communicate directly with the police authorities.

3) **Promotion of E-Governance**: With the recent advancement of Creation and Maintenance of police Database, Indian government is now planning to maintain database of 1.5 Crore criminals. The Online FIR System will be an additional facility and will aid this process of record maintenance with e-documents.

4) **Secure and Transparent Process of Investigation and Tracking:** Since only the investigating officer can access the particular FIR id, the information is private and secure. The process carrying out online, in full knowledge of the complainant ensures transparency.

5) **Improving the standards of Indian Police system:** With many countries like USA, Singapore and many other developed countries in the world already having a fully functional Online FIR System, India must also develop upto the world standards.

6) **No delays in catering the FIR:** As the police has to directly update the complainant over the application about the proceedings of the case, with proof, any delay in the work is instantly noticed by the citizens and thus the scopes of false promises is highly reduced.

5.SYSTEM ANALYSIS

System/Requirement analysis phase is considered to be one of the most important phases in the system development life cycle. It is immensely important that the software developer make thorough study of the existing system. It refers into the process of examining a situation with the intent of improving it through better procedures and methods. System Analysis is the process of planning a new System to either replace or complement an existing system. But before any planning is done, the old system must be thoroughly understood and the requirements must be determined. System Analysis, is therefore, the process of gathering and interpreting facts, diagnosing problems and using the information to make improvements in the System. It is basically detailed explanation or description. Before automating a system under consideration, it has to be analyzed. We need to study how it functions currently, what are the problems, and what are the requirements that the proposed system should meet. The study will enable the developer to know the intricacies of the existing system. System Analysis is conducted with the following objectives in mind:

1)Identify the public need.

2)Evaluate the system concept for feasibility.

3)Perform economic and technical analysis.

4)Allocate functions to hardware, software people, database and other system elements.

Requirement analysis is done in order to understand the problem, which the software system is to solve e.g., the problem, could be automating the existing manual system or developing a completely new automated system or a combination of the two. For every system understanding the requirement of the system is a major task. The emphasis in requirement analysis is on identifying what is needed from the system, and not how the system achieves its goal. The main objective behind any business organization is to maximize its profit besides maintaining quality and strategic norms. This can be achieved by improving the efficiency of the system by providing more facilities using automation, by adopting faster data access, and proper communication.

6.FEASIBILTY STUDY

A feasibility study is carried out to select the best system that meets performance requirements. Feasibility is the determination of whether or not a project is worth doing. The process followed in making this determination is called a feasibility study. This type of study determines if a project can and should be taken. Since the feasibility study may lead to the commitment of large resources, it becomes necessary that it should be conducted competently and that no fundamental errors of judgment are made. Depending on the results of the initial investigation, the survey is expanded to a more detailed feasibility study. Feasibility study is a test of system proposal according to its workability, impact on the organization, ability to meet user needs, and effective use of resources. The objective of the feasibility study is not to solve the problem but to acquire a sense of its scope. During the study, the problem definition is crystallized and aspects of the problem to be included in the system are determined. All projects are feasible given unlimited resources and infinite time. Unfortunately the development of computer-based system in many cases is more likely to be plagued by scarcity of resources and delivery date. Hence, we have made use the concept of reusability that is what Object Oriented Programming (OOPS) is all about .Consequently, costs and benefits are described with greater accuracy at this stage.

FOUR KEY CONSIDERATIONS ARE INVOLVED IN THE FEASIBILITY ANALYSIS. THESE ARE:

6.1 TECHNICAL FEASIBILITY

Technical Feasibility centres on the existing computer system (hardware/ software) and also it can support the modification. In manual processing there are more chances of errors, creating lot of complications, less technical or logical. Through proposed system we can set this process in a very systematic pattern, which is more technical, full proof, authentic, safe and reliable. For example, if the current computer is operating at 80 percent capacity - an arbitrary ceiling - then running another application could overload the system or require additional Hardware. This involves financial considerations to accommodate technical enhancements. If the budget is a serious constraint, then the project judged is not feasible. In this project, all the necessary cautions have been taken care to make it technically feasible. Using a key the display of text/object is very fast. Also, the tools, operating system and programming language used in this localization process is compatible with the existing one.

6.2 ECONOMIC FEASIBILITY

Economic analysis is the most frequently used method for evaluating the effectiveness of the candidate system. More commonly known as cost/benefit analysis, the procedure is to be determining the benefits and savings that are expected from a candidate and compare them with costs. If benefits outweigh costs ,then the decision is made to design and implement the system. A systems financial benefit must exceed the cost of developing that system. i.e. a new system being developed should be a good investment for the organization. Economic feasibility considers the following:

->The cost to conduct a full system investigation.
->The cost of hardware and software for the class of application.
->The benefits in the form of reduced cost or fewer costly errors.
->The cost if nothing changes (i.e. the proposed system is not developed).

6.3 BEHAVIOURAL FEASIBILITY

People are inherently resistant to change, and computers have been known to facilitate change. An estimate should be made of how strong a reaction the user staff is likely to have toward the development of a computerized system. Therefore, it is understandable that the introduction of a candidate system requires special efforts to educate and train the staff. The software that is being developed is user friendly and easy to learn. In this way, the developed software is truly efficient and can work on any circumstances, tradition, locales. Behavioural study strives on ensuring that the equilibrium of the organization and status quo in the organization neither are nor disturbed and changes are readily accepted by the users.

Our proposed system works to minimize the human errors, take less time, easy interaction with user, bug free. This project/software is further expanded by connecting various interrelated departments and by installing an extension part of this software.

->System level goals and requirements.
->Cost estimation for development process and work product.
->Solution strategy development.
->Outlines of the several solutions strategies.
->Recommendation of solutions strategy.
->Feasibility and study of each strategy.
->List of priorities for management.

6.4 OPERATIONAL FEASIBILITY

Operational feasibility is mainly related to the human organizational & political aspects. This feasibility study answers questions like: Will the system be used if it is developed and implemented? Will there be resistance from users that will undermine the possible application benefits? To get the answer of these questions, many methods are used like interviews, questionnaire, records checking and observation. One or two persons who are familiar with information system techniques, who understands the business and who are skilled in system analysis and design, generally carry out this feasibility study. The essential questions that help in testing the operational feasibility of a system as follows:

->What changes will be made in the system?
->What organizational structures are?
->What new skills will be required? Do the existing staff members have these skills? If not, can they be trained in due course of time?

Operational feasibility study is carried out by a small group of people who are familiar with information system technique who understand the parts of the business that are relevant to the project and are skilled in system analysis and design process? The feasibility study is carried out by a small group of people who are familiar with information system techniques, understand the part of business or organization that will be involved or affected by a project, and are skilled in the system analysis & design process.

7.LIST OF MODULES

7.1 Citizen Module

This module consists of following pages:

-> The **“Home Page”** is the first page that is displayed when the website is first loaded it contains following sections

-> The **“File a FIR”** page that lets the user file a FIR using his AADHAR number, personal details, contact details and upload the FIR document to get his FIR registered. Upon successful registration the user is sent a confirmation email and is provided by a unique FIR ID through which he/she can track the status of their FIR.

->The **“How to File A FIR”** page makes the platform more user friendly and contains instructions to how to file the FIR correctly and easily.

-> The **“Check Status”** page is pretty simple, it displays the status of the FIR by the FIR ID which is entered by the user.

-> The **“FAQ’S”** page contains frequently asked questions about the website and its functioning.

->The **“Login”** page is used to login to the admin section.

7.2 ADMIN Module

This module consists of two sub-modules

- HQ Admin Module
- Station Admin Module

7.2.1 HQ Admin Module

This module consists of following pages:

-> The **“HQ Admin Dashboard”** page has options to search FIR by following queries, 1) FIR ID ,2) Station ID ,3) Status. It is the landing page for HQ Admin.

-> The **“Add Police Station”** page allows the HQ Admin to add police stations, in the system.

->The **“Delete Police Station”** page allows the HQ Admin to delete a police station from their station ID.

-> The **“Edit Police Station”** page allows the user to edit the police station details.

7.2.2 Station Admin Module

This module consists of following pages:

-> The **"Station Admin Dashboard"** page has options to search FIR by following queries, 1) FIR ID, 2) Status. It is the landing page for Station Admin.

-> The **"Edit Police Station"** page allows the user to edit the police station details.

The following pages are common to both **HQ Admin** and **Station Admin.**

-> The **"Reset Password"** page allows the user to reset their password.

-> The **"Logout"** page allows the user to logout of the system.

8.TECHNOLOGIES USED

8.1 ASP.NET MVC 5

The Model-View-Controller (MVC) architectural pattern separates an application into three main components: the model, the view, and the controller. The ASP.NET MVC framework provides an alternative to the ASP.NET Web Forms pattern for creating Web applications. The ASP.NET MVC framework is a lightweight, highly testable presentation framework that (as with Web Forms-based applications) is integrated with existing ASP.NET features, such as master pages and membership-based authentication. The MVC framework is defined in the **System.Web.Mvc** assembly.

8.2 Entity Framework 6

The Entity Framework is a set of technologies in ADO.NET that support the development of data-oriented software applications. Architects and developers of data-oriented applications have typically struggled with the need to achieve two very different objectives. They must model the entities, relationships, and logic of the business problems they are solving, and they must also work with the data engines used to store and retrieve the data. The data may span multiple storage systems, each with its own protocols; even applications that work with a single storage system must balance the requirements of the storage system against the requirements of writing efficient and maintainable application code.

The Entity Framework enables developers to work with data in the form of domain-specific objects and properties, such as customers and customer addresses, without having to concern themselves with the underlying database tables and columns where this data is stored. With the Entity Framework, developers can work at a higher level of abstraction when they deal with data, and can create and maintain data-oriented applications with less code than in traditional applications.

8.3 C# 7.0

C# is a modern, general-purpose, object-oriented programming language developed by Microsoft and approved by European Computer Manufacturers Association (ECMA) and International Standards Organization (ISO).

C# was developed by Anders Hejlsberg and his team during the development of .Net Framework.

C# is designed for Common Language Infrastructure (CLI), which consists of the executable code and runtime environment that allows use of various high-level languages on different computer platforms and architectures.

The following reasons make C# a widely used professional language –

- It is a modern, general-purpose programming language

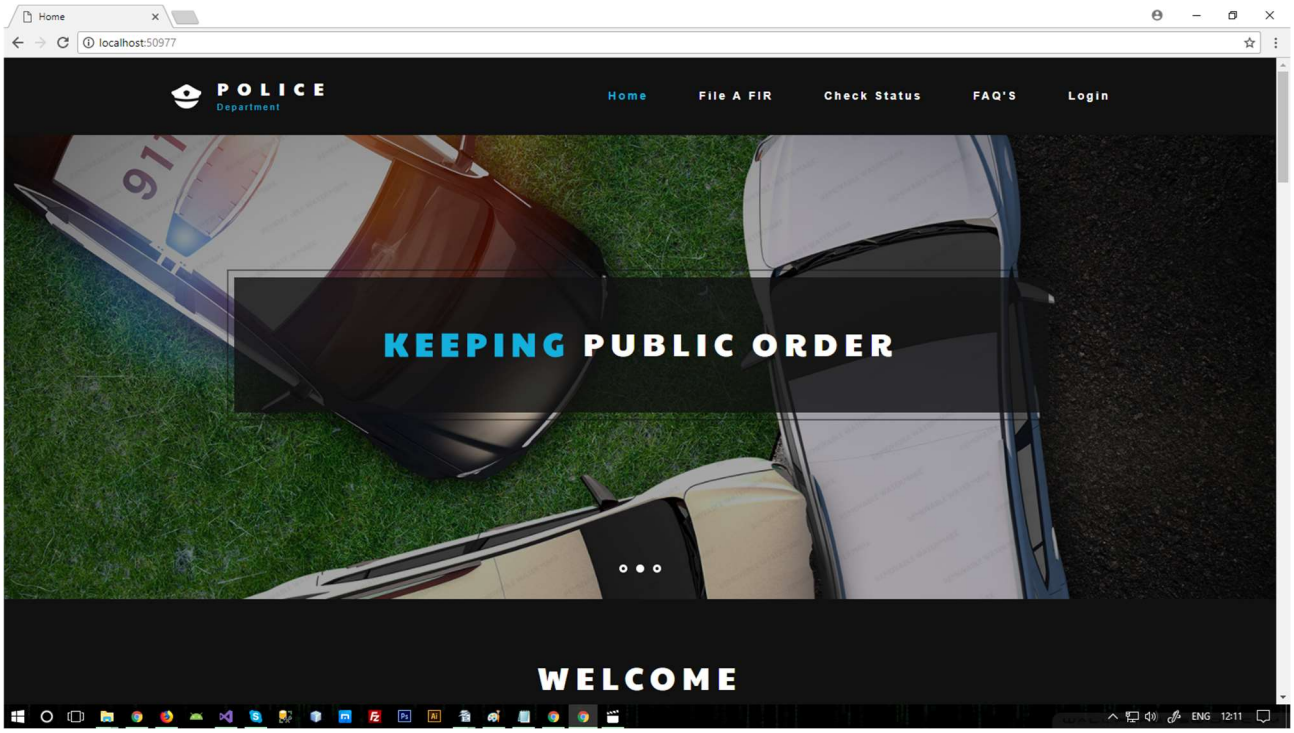
- It is object oriented.
- It is component oriented.
- It is easy to learn.
- It is a structured language.
- It produces efficient programs.
- It can be compiled on a variety of computer platforms.
- It is a part of .Net Framework.

8.4 Microsoft SQL Server 2016

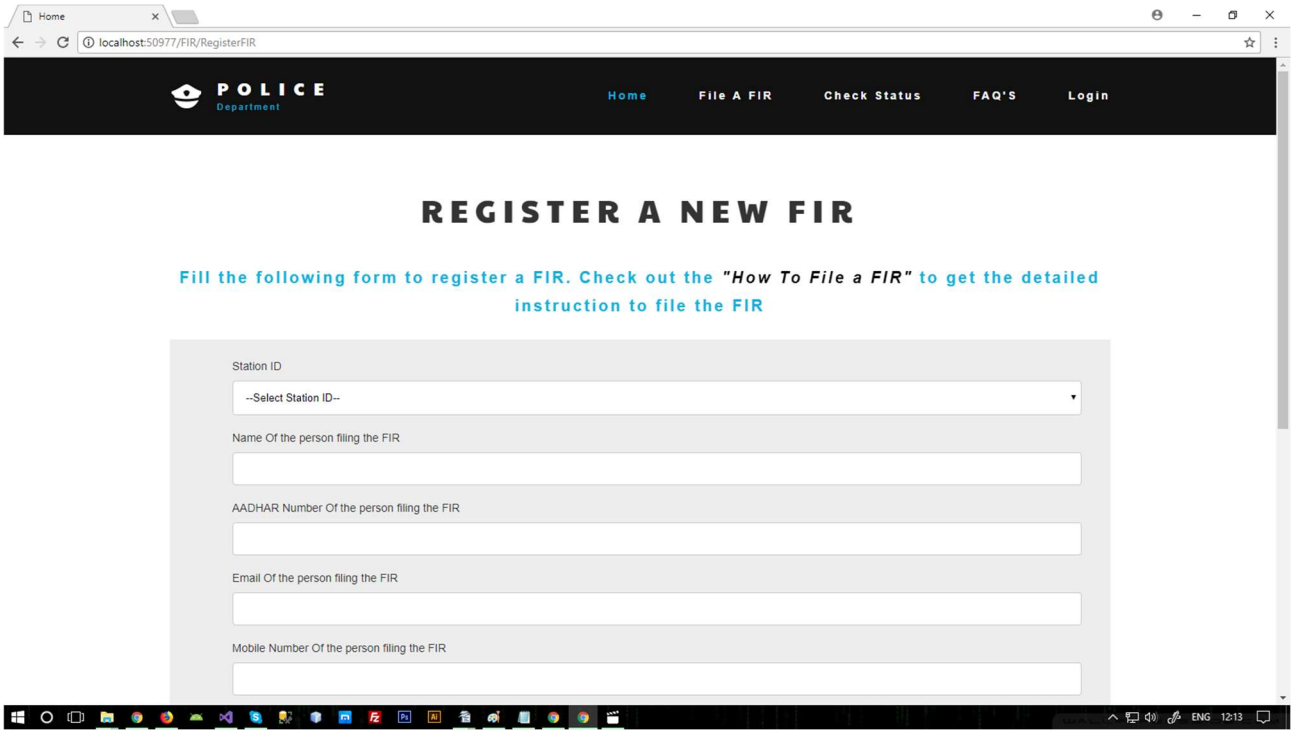
Microsoft SQL Server 2005 is a database platform for large-scale online transaction processing (OLTP), data warehousing, and e-commerce applications; it is also a business intelligence platform for data integration, analysis, and reporting solutions.

9.SCREENSHOTS OF THE PROJECT

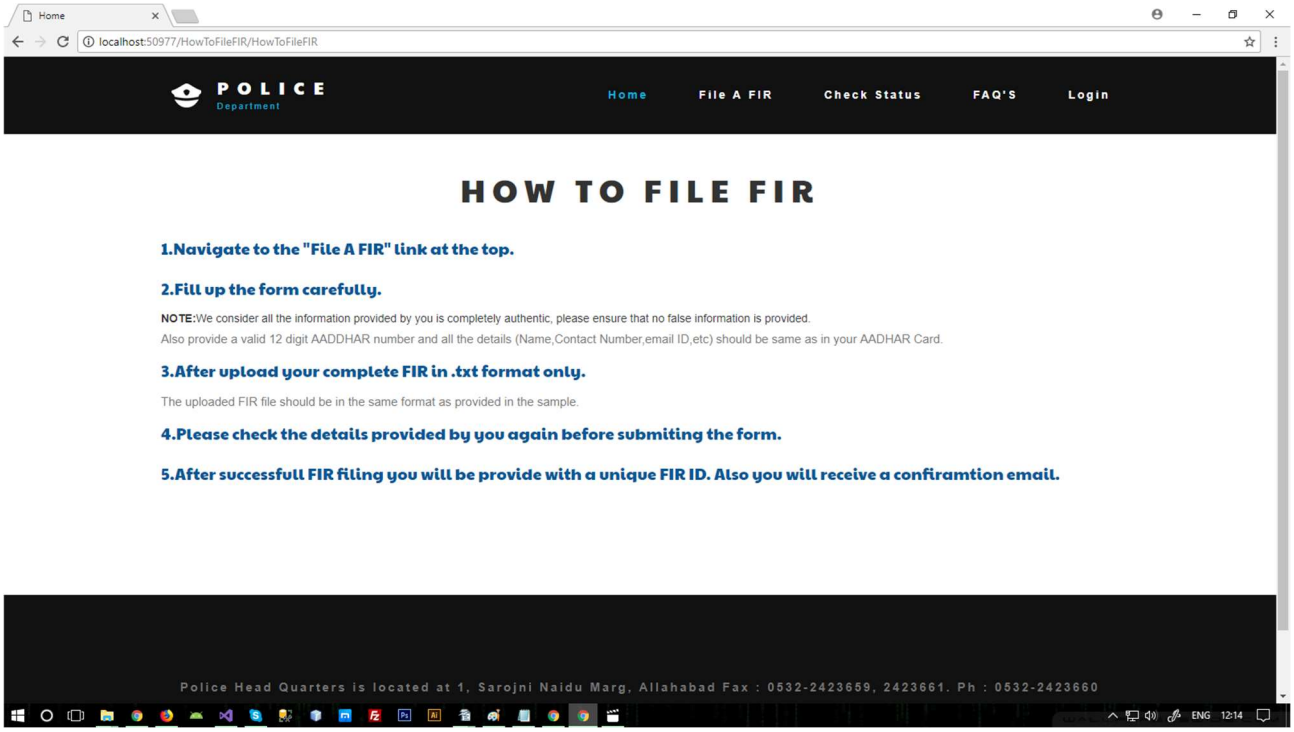
1.Home Page



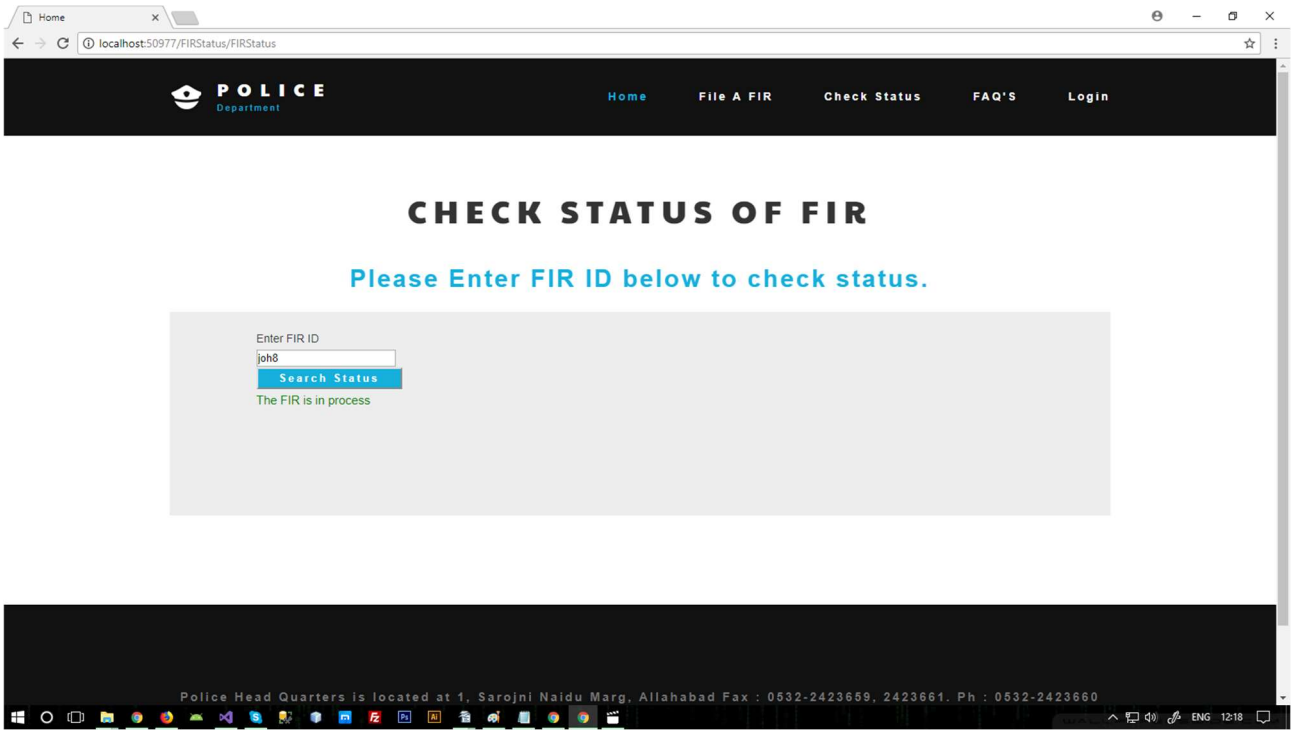
2.File a FIR



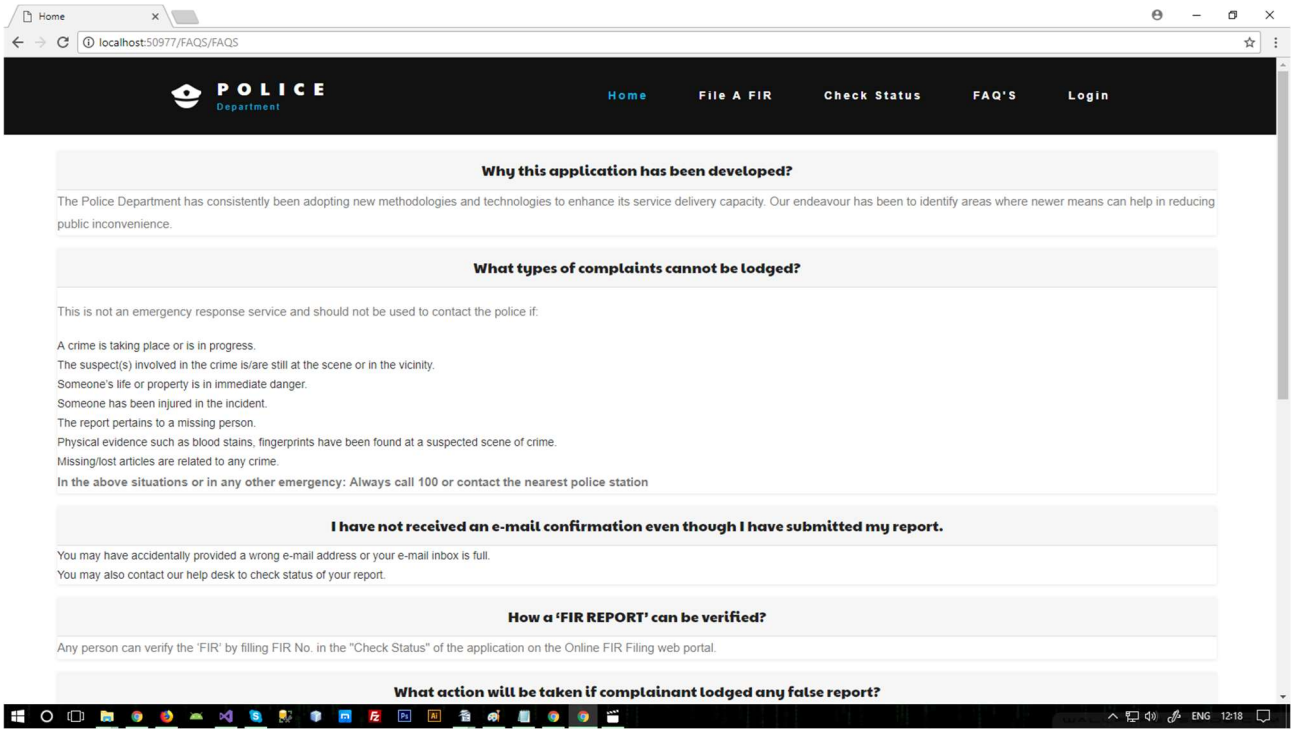
3.How To File FIR



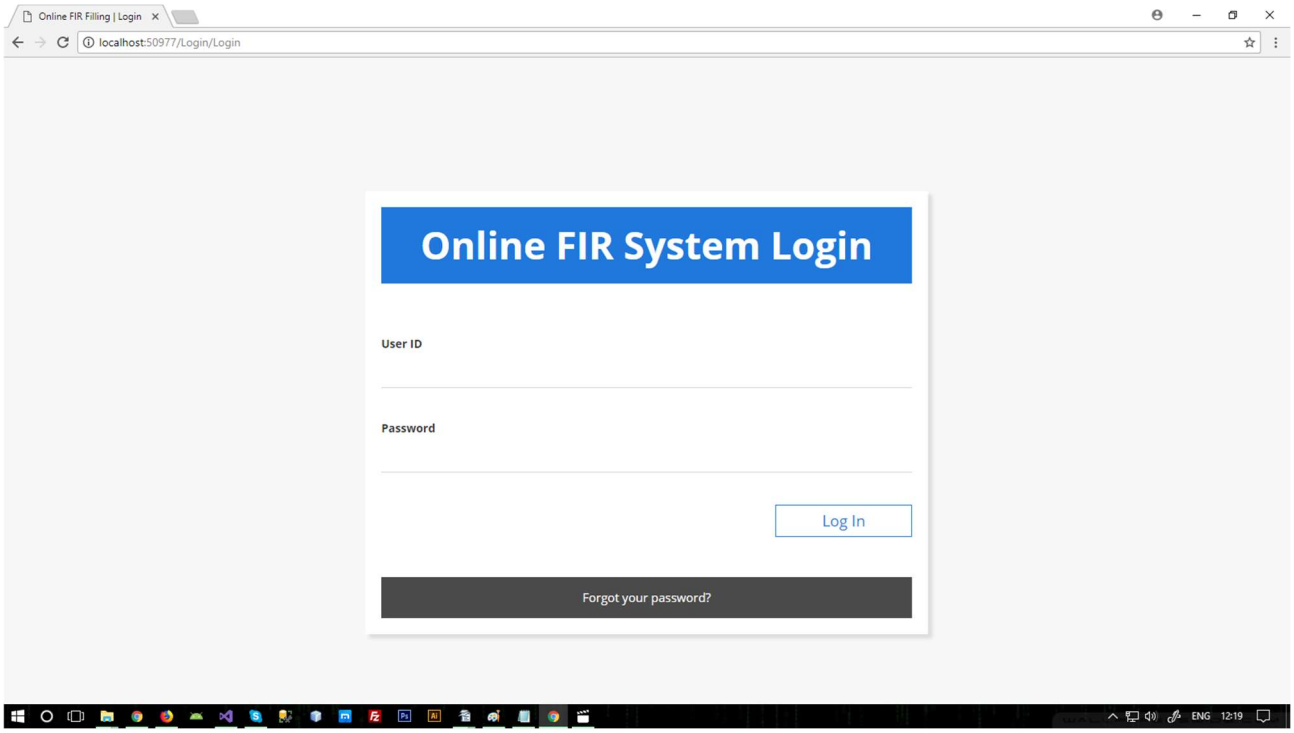
4.Check Status



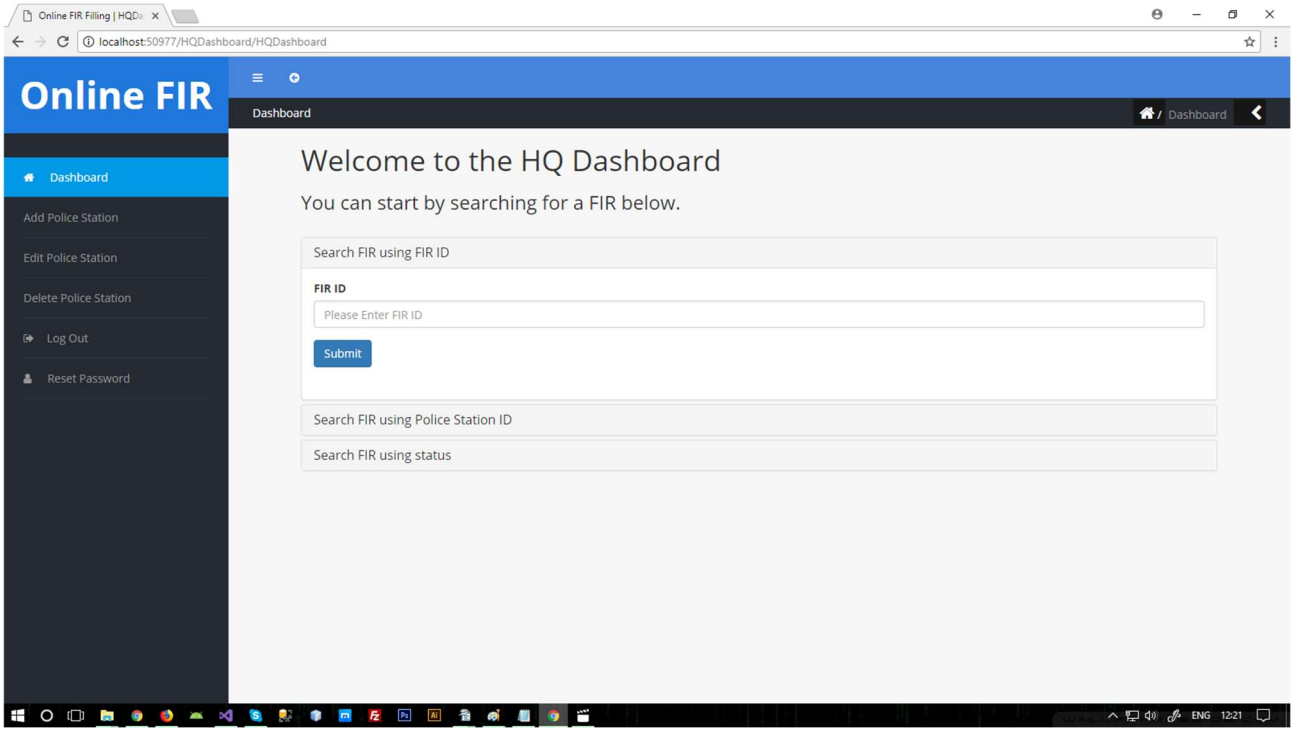
5.FAQ'S



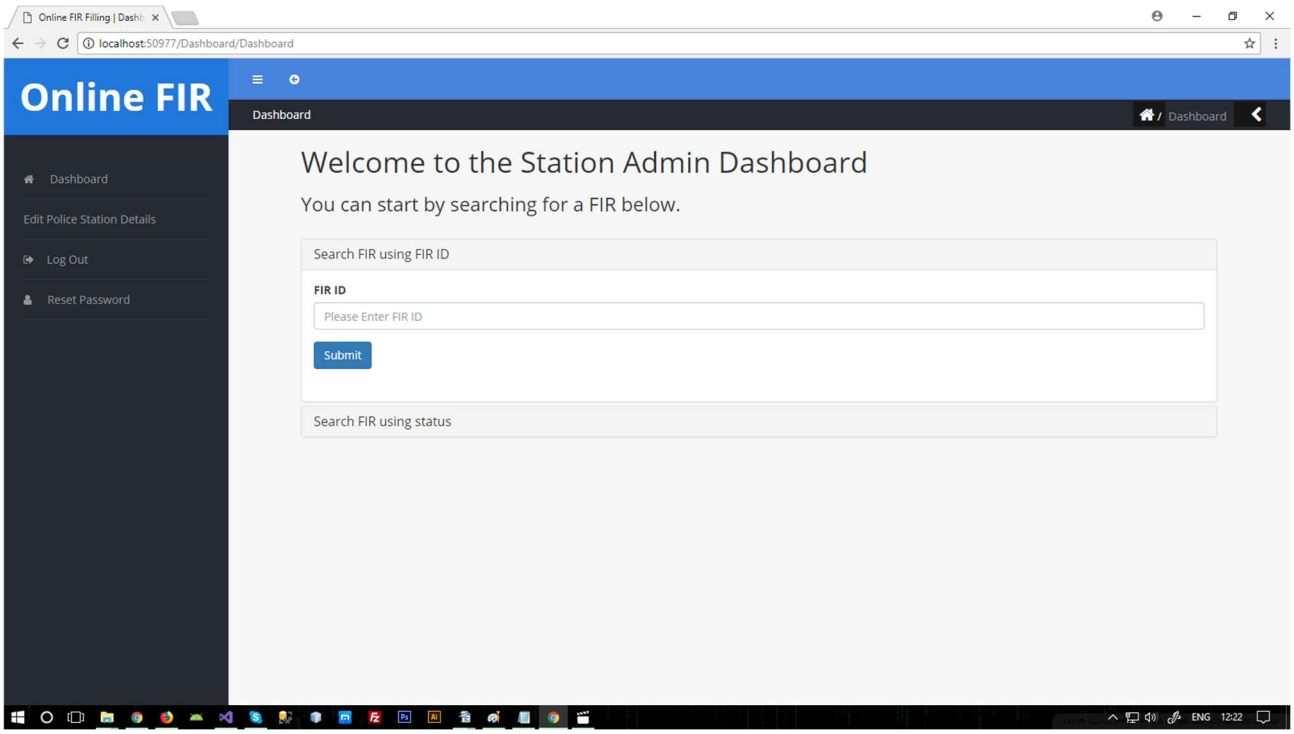
6.Login



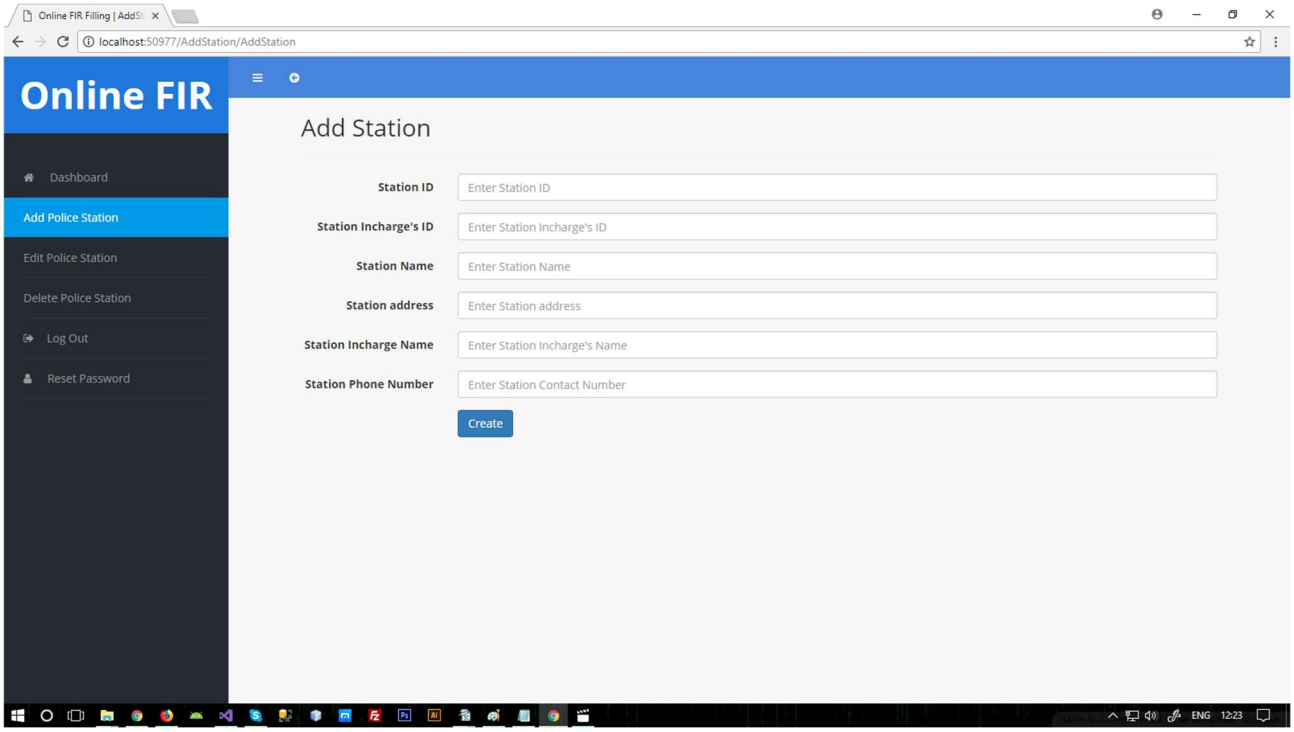
7.HQ Dashboard



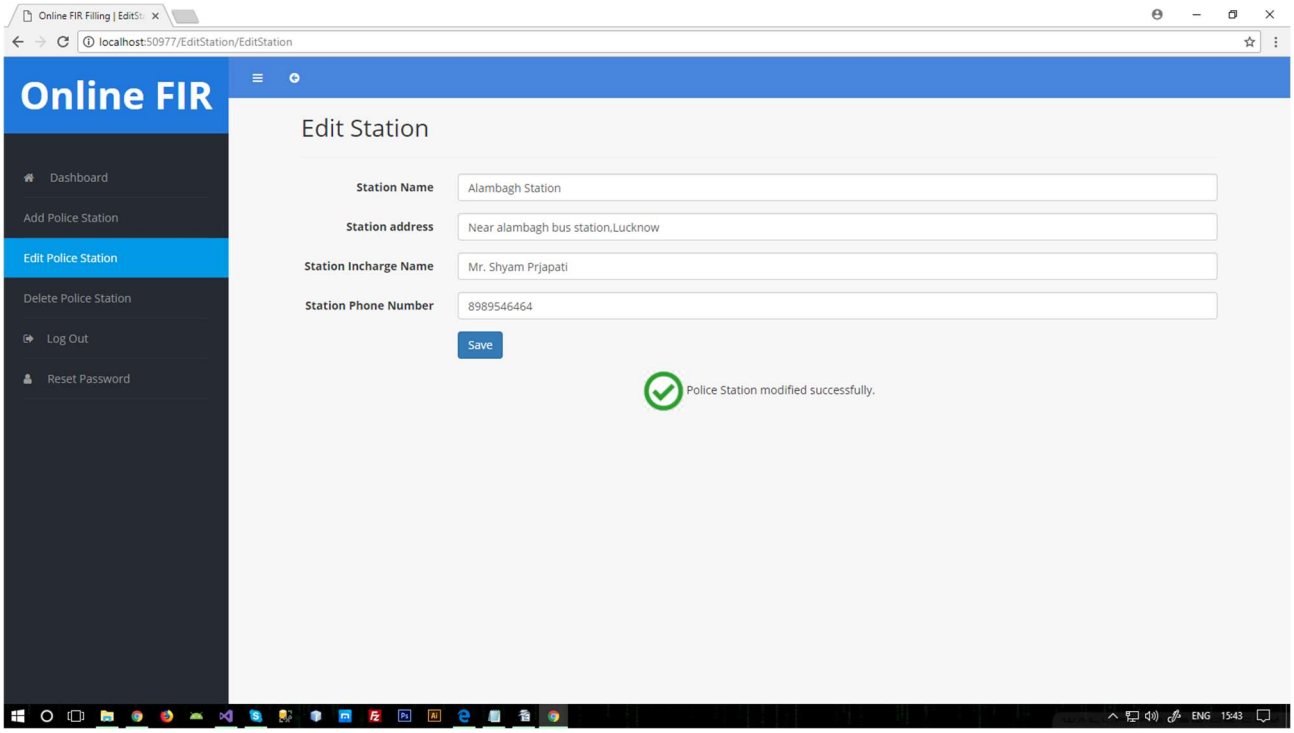
8.Station Admin Dashboard



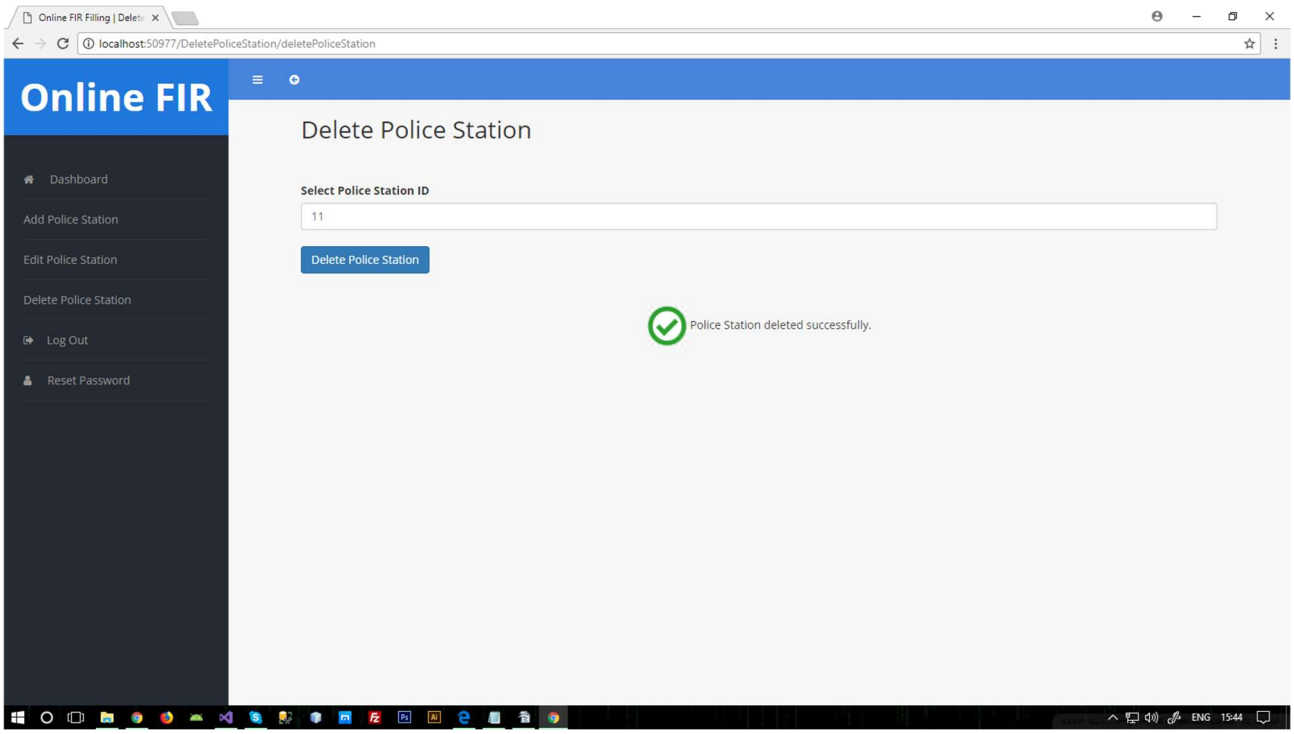
9.Add Police Station (FOR HQ Admin)



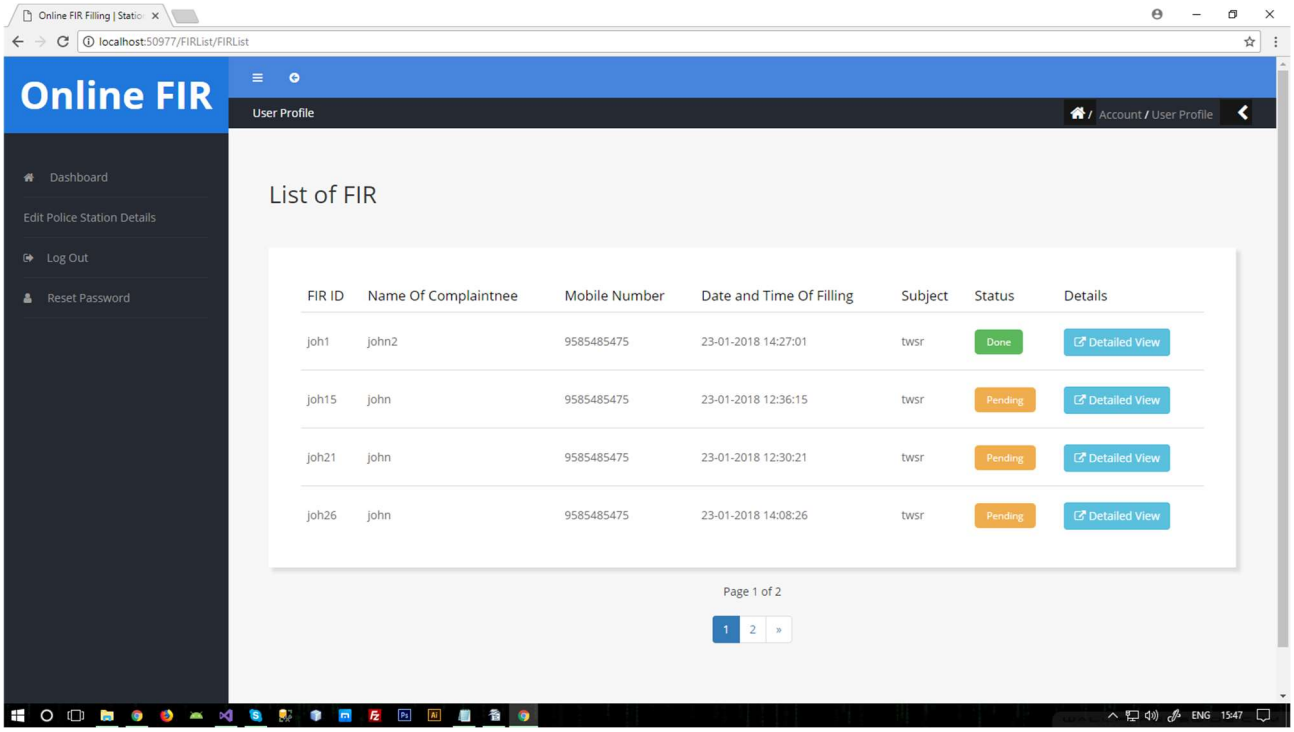
9.Edit Police Station



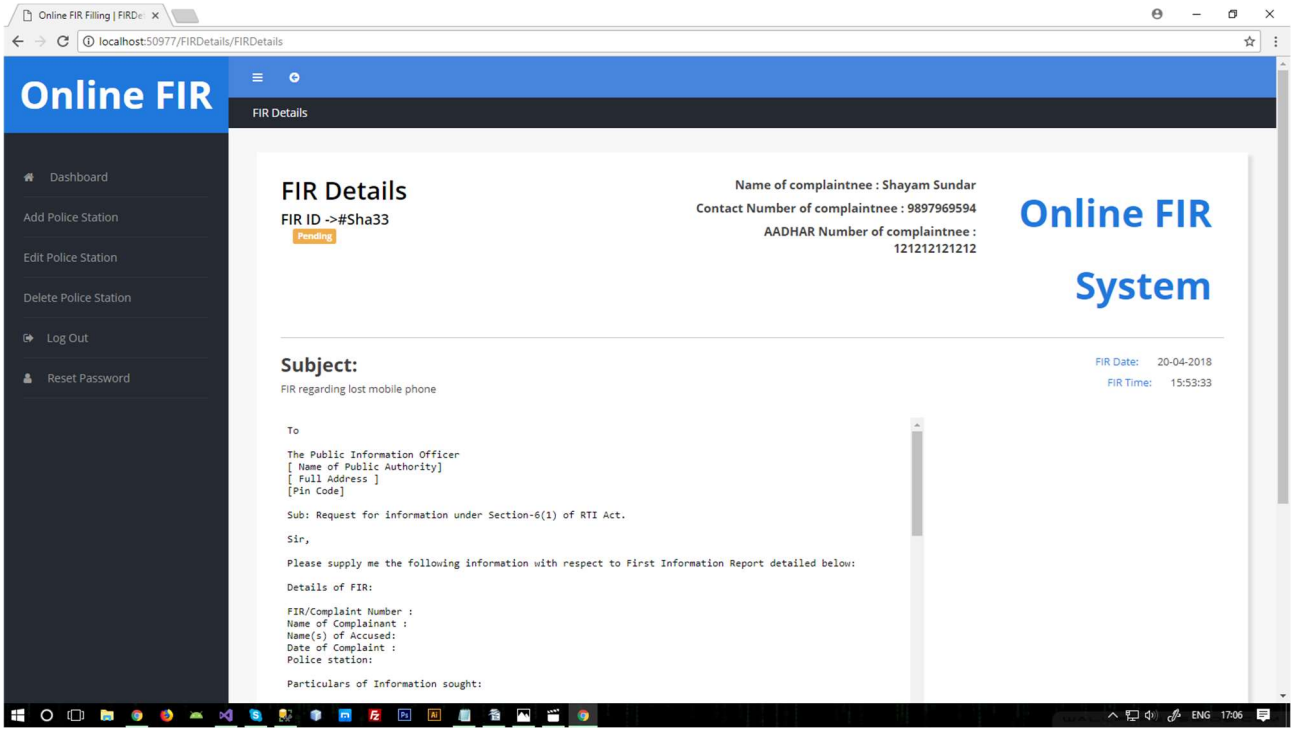
10.Delete Police Station



11.FIR List



12.FIR Details



10.CODE Files___

1.Views

1.1 Register FIR

```
@model OnlineFIR.WebApp.Models.ViewModel.AddFIRView

@{
    ViewBag.Title = "RegisterFIR";
    Layout = "~/Views/Shared/_ClientLayout.cshtml";
}
<style>


    input[type=text], input[type=email], input[type=tel], select, textarea {
        width: 100%;
        padding: 12px;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
        margin-top: 6px;
        margin-bottom: 16px;
        resize: vertical;
    }

    input[type=submit] {
        background-color: #4CAF50;
        color: white;
        padding: 12px 20px;
        border: none;
        border-radius: 4px;
        cursor: pointer;
    }

        input[type=submit]:hover {
            background-color: #45a049;
        }

    /*.container {
        border-radius: 5px;

        padding: 20px;
    }*/

</style>

<div class="container">

    @using (Html.BeginForm("RegisterFIR", "FIR", FormMethod.Post, new { enctype = "multipart/form-
data" }))
    {
        @Html.AntiForgeryToken()

        @*@{
              ((FIRController)this.ViewContext.Controller).LoadStationList();
            }*@

        <br />
        <br />
```

```
        <br />
        <h2 class="wow fadeInLeft animated" style="visibility: visible; animation-name: fadeInLeft;">Register A
New FIR</h2>
        <br />
        <br />
        <h3 class="wow fadeInRight animated" style="visibility: visible; font-size:20px; animation-name:
fadeInRight;">Fill the following form to register a FIR. Check out the <a style="font-style:italic; color:black"
href="~/HowToFileFIR/HowToFileFIR">"How To File a FIR"</a> to get the detailed instruction to file the FIR
</h3>
        @*   <h2 style="font-size:20px; line-height:20px;">Also remember to check the <a
href="HowToFileFIR/HowToFileFIR">How To File a FIR </a>to get the detailed instruction to file the FIR.
</h2>*@
        <br />
        <div class="form-horizontal">


            @Html.ValidationSummary(true, "", new { @class = "text-danger" })


            <div class="box_cnt" style="background:#ededed;">
                <div class="row">
                    <div class="form-group">
                        @Html.LabelFor(model => model.station_id, htmlAttributes: new { @class = "control-label col-
md-4" })
                        <br />
                        @Html.ValidationMessageFor(model => model.station_id, "", new { @class = "text-danger" })
                        <div class="col-md-10">
                            @*@Html.EditorFor(model => model.station_id, new { htmlAttributes = new { @class =
"form-control" } })*@
                            @*@Html.DropDownList(model => model.station_id, new SelectList(@ViewBag.ListS),
htmlAttributes: new { @class = "form-control" })*@
                            @*@Html.DropDownList("accountid", new SelectList(ViewBag.ListS, "AccountID",
"AccountName"))*@

                            <select class="form-control" name="selStation">
                                <option>--Select Station ID--</option>
                                @foreach (var sl in
            (List
            <string>
            )ViewBag.ListS)
            {
                <option>@sl</option>
}
                            </select>

                            <br />
                        </div>
                        @*<div class="col-md-offset-2 col-md-10">
            <input type="submit" formaction="LoadStationList" value="Load Station List" class="btn btn-primary"
/>
        </div>*@
                    </div>
                </div>
                <div class="row">
                    <div class="form-group">
                        @Html.LabelFor(model => model.fir_complaintnee_name, htmlAttributes: new { @class =
"control-label col-md-4" })
                        <br />
                        @Html.ValidationMessageFor(model => model.fir_complaintnee_name, "", new { @class =
"text-danger" })

                        <div class="col-md-10">
```

```
                    @Html.EditorFor(model => model.fir_complaintnee_name, new { htmlAttributes = new
{ @class = "form-control" } })
                    <br />
                </div>
            </div>
        </div>
        <div class="row">
            <div class="form-group">
                @Html.LabelFor(model => model.aadhar_num, htmlAttributes: new { @class = "control-label
col-md-4" })
                <br />
                @Html.ValidationMessageFor(model => model.aadhar_num, "", new { @class = "text-
danger" })

                <div class="col-md-10">
                    @Html.EditorFor(model => model.aadhar_num, new { htmlAttributes = new { @class =
"form-control" } })
                    <br />
                </div>
            </div>
        </div>
        <div class="row">
            <div class="form-group">
                @Html.LabelFor(model => model.email, htmlAttributes: new { @class = "control-label col-md-
4" })
                <br />
                @Html.ValidationMessageFor(model => model.email, "", new { @class = "text-danger" })

                <div class="col-md-10">
                    @Html.EditorFor(model => model.email, new { htmlAttributes = new { @class = "form-
control" } })
                    <br />
                </div>
            </div>
        </div>

        <div class="row">
            <div class="form-group">
                @Html.LabelFor(model => model.fir_complaintnee_mob_no, htmlAttributes: new { @class =
"control-label col-md-4" })
                <br />
                @Html.ValidationMessageFor(model => model.fir_complaintnee_mob_no, "", new { @class =
"text-danger" })

                <div class="col-md-10">
                    @Html.EditorFor(model => model.fir_complaintnee_mob_no, new { htmlAttributes = new
{ @class = "form-control" } })
                    <br />
                </div>
            </div>
        </div>

        <div class="row">
            <div class="form-group">
                @Html.LabelFor(model => model.fir_subject, htmlAttributes: new { @class = "control-label
col-md-4" })
                <br />
                @Html.ValidationMessageFor(model => model.fir_subject, "", new { @class = "text-danger" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.fir_subject)

                </div>
```

```
                </div>
            </div>

            <div class="row">
                <div class="form-group">
                    @Html.LabelFor(model => model.fir_file_path, htmlAttributes: new { @class = "control-label
col-md-4" })
                    <br />
                    @Html.ValidationMessageFor(model => model.fir_file_path, "", new { @class = "text-
danger" })

                    <div class="col-md-10">
                        @*@Html.EditorFor(model => model.fir_file_path, new { htmlAttributes = new { @class =
"form-control" } })*@
                        @*@Html.EditorFor(model => model.fir_file_path,new { htmlAttributes = new { @class =
"form-control", type = "file", accept = "text/*" } })*@
                        <br />
                        <input type="file" name="file" id="file" accept=".txt" /><br><br>
                       <p style="color:red; font-size:18px;"> @ViewBag.Message</p>
                    </div>
                </div>
            </div>


            <div class="row">
                <div class="form-group">
                    <div class="col-md-offset-2 col-md-10">
                        <input type="submit" value="File FIR" class="btn btn-primary" />
                    </div>
                </div>
            </div>
          </div>

        </div>

    }
</div>
<script>
    $(function () {
        $("#camera-caraousel").hide();
        $("#contact-form").hide();
    });

</script>
@*

    <script src="~/Scripts/jquery-1.10.2.min.js"></script>
    <script src="~/Scripts/jquery.validate.min.js"></script>
    <script src="~/Scripts/jquery.validate.unobtrusive.min.js"></script>*@
```

1.2 View Status

```
@{
    ViewBag.Title = "FIRStatus";
    Layout = "~/Views/Shared/_ClientLayout.cshtml";
}
```

```
@using (Html.BeginForm(FormMethod.Post))
{
    @Html.AntiForgeryToken()

    <div class="container">
        <br />
        <br />
        <br />
        <h2 class="wow fadeInLeft animated" style="visibility: visible; animation-name: fadeInLeft;">Check
Status of FIR</h2>
        <br />
        <br />
        <h3 class="wow fadeInRight animated" style="visibility: visible; animation-name: fadeInRight;">Please
Enter FIR ID below to check status.</h3>
        <br />
        <div class="box_cnt" style="background:#ededed; min-height:200px;">
            <div style="float:left;">
                <div class="form-horizontal">

                    <div class="form-group">
                        <div class="control-label col-md-2">Enter FIR ID</div>
                        <div class="col-md-10">
                            @Html.TextBox("firID")
                            <br />
                            <br />
                            <br />

                        </div>
                    </div>
                    <div class="form-group">
                        <div class="col-md-offset-2 col-md-10">
                            <input type="submit" value="Search Status" class="btn btn-primary" />
                        </div>
                    </div>
                </div>
                <div class="col-md-offset-2 col-md-10" style="font-size:20px;">
                    <p style="color:red">@ViewBag.Error</p>
                    <p style="color:chocolate">@ViewBag.Pending</p>
                    <p style="color:green">@ViewBag.InProcess</p>
                </div>
            </div>

        </div>

    </div>
}
<script>
    $(function () {
        $("#camera-caraousel").hide();
        $("#contact-form").hide();
    });
</script>
```

1.3 Login

```
@model OnlineFIR.WebApp.Models.ViewModel.LoginView

@{
    ViewBag.Title = "Login";
    Layout = "~/Views/Shared/_EmptyAdminLayout.cshtml";
```

```
}

@using (Html.BeginForm())
{
    @Html.AntiForgeryToken()


    <div class="sign-box" >
        <h3>
            Online FIR System Login
        </h3>
        <div class="form-horizontal">
            <div class="form-group">

                <div class="col-md-12">
                    <label for="uID">User ID</label>
                    @Html.TextBoxFor(model => model.user_id, new { htmlAttributes = new { @class = "input-field
form-control", @name = "uID" } })
                    @Html.ValidationMessageFor(model => model.user_id, "", new { @class = "text-danger" })

                </div>
            </div>

            <div class="form-group">

                <div class="col-md-12">
                    <label for="uID">Password</label>
                    @Html.TextBoxFor(model => model.user_password, new { htmlAttributes = new { @class = "
input-field form-control", @name = "pwd" ,@type="password"} })
                    @Html.ValidationMessageFor(model => model.user_password, "", new { @class = "text-
danger" })
                </div>
            </div>
            <div class="form-group">
                <div class="text-right col-md-12">
                    <input type="submit" value="Log In"/>
                </div>
            </div>
        </div>
        <div class="register-forgot">
            @*<a href="SignUp.html">Register</a>*@
          @*  <input type="button" value="Go Somewhere Else" onclick="location.href='<%: Url.Action(" Action",
"Controller" ) %>'" />*@

            <a href="@Url.Action("SendResetMail", "Login")">Forgot your password?</a>
        </div>
    </div>
}
```

1.4 HQ Dashboard

```
@{
    ViewBag.Title = "HQDashboard";
    Layout = "~/Views/Shared/_Admin.cshtml";
}


<div class="location-bar hidden-xs row">
    <div class="col-sm-6"><p>Dashboard</p></div>
    <div class="col-sm-6 location-bar-right">
        <a href="index.html"><i class="fa fa-home"></i> / </a>
```

```
        <span>Dashboard</span>
        <a href="#"><i class="fa fa-chevron-left"></i></a>
    </div>
</div>


<div class="container">
    <h1>Welcome to the HQ Dashboard</h1>
    <h3>You can start by searching for a FIR below.</h3>
    <br />

    <div class="panel-group" id="accordion">

        <div class="panel panel-default">
            <div class="panel-heading">
                <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion" href="#collapse1">
                        Search FIR using FIR ID
                    </a>
                </h4>
            </div>
            <div id="collapse1" class="panel-collapse collapse in">
                <div class="panel-body">
                    @using (Html.BeginForm("showFIRListByID", "HQDashboard"))
                    {
                        <div class="form-group">
                            <label for="firID">FIR ID</label>
                            <input type="text" class="form-control" id="firID" placeholder="Please Enter FIR ID"
name="firID">
                        </div>

                        <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Submit</button>
                    }
                </div>
                <div class="saveError" align="center" style="visibility:@ViewBag.VisibilityI;">
                    <img src="~/Content/Images/error.png" style="max-height:40px; max-width:40px;
background:white;" />
                    FIR ID invalid , please try again.
                </div>
            </div>


        </div>


        <div class="panel panel-default">
            <div class="panel-heading">
                <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion" href="#collapse2">
                        Search FIR using Police Station ID
                    </a>
                </h4>
            </div>
            <div id="collapse2" class="panel-collapse collapse">
                <div class="panel-body">
                    @using (Html.BeginForm("showFIRListByStationId", "HQDashboard"))
                    {
                        <label for="sel1">Select Police Station ID</label>
                        <select class="form-control" name="selStation">
                            <option disabled selected>Station ID</option>
                            @foreach (var sl in (List<string>)ViewBag.ListStation)
                            {
```

```
                        <option>@sl</option>
                    }
                </select>
                <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Submit</button>
            }
        </div>

    </div>

</div>


<div class="panel panel-default">
    <div class="panel-heading">
        <h4 class="panel-title">
            <a data-toggle="collapse" data-parent="#accordion" href="#collapse3">
                Search FIR using status
            </a>
        </h4>
    </div>
    <div id="collapse3" class="panel-collapse collapse">
        <div class="panel-body">
            @using (Html.BeginForm("showFIRListByStatus", "HQDashboard"))
            {
                <label for="sel1">Select FIR Status</label>
                <select class="form-control" name="selStatus">
                    <option disabled selected>Status</option>
                    <option>Pending</option>
                    <option>Done</option>

                </select>
                <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Submit</button>
            }
        </div>
    </div>

</div>

</div>
@*<div class="saveError" align="center" style="visibility:@ViewBag.VisibilityE;">
        <img src="~/Content/Images/error.png" style="max-height:40px; max-width:40px; background:white;"
/>
        Something went wrong , please try again.
    </div>*@
</div>

<div class="loading" align="center">
    Loading. Please wait.<br />
    <br />
    @*<img src="~/Content/ajax-loader.gif" style="max-height:inherit; max-width:inherit;" />*@
    <i class="fa fa-2x fa-spinner fa-spin"></i>
</div>
```

1.5 Add Police Station

```
@model OnlineFIR.WebApp.Models.ViewModel.AddPoliceStation
@{
    ViewBag.Title = "AddStation";
    Layout = "~/Views/Shared/_Admin.cshtml";
}
<div class="container" onload="formReset()">
    <h2>Add Station</h2>
```

```
    @using (Html.BeginForm(new { id = "addStationForm" }))
    {
        @Html.AntiForgeryToken()

        <div class="form-horizontal">

            <hr />
            @Html.ValidationSummary(true, "", new { @class = "text-danger" })
            <div class="form-group">
                @Html.LabelFor(model => model.station_id, htmlAttributes: new { @class = "control-label col-md-
2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_id, new { htmlAttributes = new { @class = "form-
control", @placeholder = "Enter Station ID" } })
                    @Html.ValidationMessageFor(model => model.station_id, "", new { @class = "text-danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.user_id, htmlAttributes: new { @class = "control-label col-md-
2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.user_id, new { htmlAttributes = new { @class = "form-control",
@placeholder = "Enter Station Incharge's ID" } })
                    @Html.ValidationMessageFor(model => model.user_id, "", new { @class = "text-danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.station_name, htmlAttributes: new { @class = "control-label col-
md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_name, new { htmlAttributes = new { @class = "form-
control", @placeholder = "Enter Station Name" } })
                    @Html.ValidationMessageFor(model => model.station_name, "", new { @class = "text-
danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.station_address, htmlAttributes: new { @class = "control-label
col-md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_address, new { htmlAttributes = new { @class =
"form-control", @placeholder = "Enter Station address" } })
                    @Html.ValidationMessageFor(model => model.station_address, "", new { @class = "text-
danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.station_incharge, htmlAttributes: new { @class = "control-label
col-md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_incharge, new { htmlAttributes = new { @class =
"form-control", @placeholder = "Enter Station Incharge's Name" } })
                    @Html.ValidationMessageFor(model => model.station_incharge, "", new { @class = "text-
danger" })
                </div>
            </div>
```

```
            <div class="form-group">
                @Html.LabelFor(model => model.station_contact_no, htmlAttributes: new { @class = "control-label
col-md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_contact_no, new { htmlAttributes = new { @class =
"form-control", @placeholder = "Enter Station Contact Number" } })
                    @Html.ValidationMessageFor(model => model.station_contact_no, "", new { @class = "text-
danger" })
                </div>
            </div>

            <div class="form-group">
                <div class="col-md-offset-2 col-md-10">
                    <input type="submit" value="Create" onclick="ShowProgress()" class="btn btn-primary" />
                </div>
            </div>
        </div>
    }


</div><div class="saveSuccess" align="center" style="visibility:@ViewBag.Visibility;">
    <img src="~/Content/Images/tick.jpg" style="max-height:50px; max-width:50px; background:white;" />
    Police Station created successfully.
</div>
<div class="saveError" align="center" style="visibility:@ViewBag.VisibilityE;">
    <img src="~/Content/Images/error.png" style="max-height:50px; max-width:50px; background:white;" />
    Error in creating police station .
</div>


<div class="loading" align="center">
    Loading. Please wait.<br />
    <br />
    @*<img src="~/Content/ajax-loader.gif" style="max-height:inherit; max-width:inherit;" />*@
    <i class="fa fa-2x fa-spinner fa-spin"></i>
</div>
@*<script>
        function JavascriptFunction() {
            $("#divLoading").show();
            $(window).load(function () {
                $("#divLoading").hide();
            });
        }
    </script>*@
<script type="text/javascript">
    function formReset() {
        if ('@ViewBag.Flag' === 'reset') {
            alert('viola');
            document.getElementById("addStationForm").reset();
        }
    }
</script>
```

1.6 Edit Police Station

```
@model OnlineFIR.WebApp.Models.ViewModel.EditPoliceStation

@{
    ViewBag.Title = "EditStation";
    Layout = "~/Views/Shared/_Admin.cshtml";
}
```

```
<div class="container">
    <h2>Edit Station</h2>

    @using (Html.BeginForm())
    {
        @Html.AntiForgeryToken()

        <div class="form-horizontal">

            <hr />
            @Html.ValidationSummary(true, "", new { @class = "text-danger" })

            @*<div class="form-group">
                @Html.LabelFor(model => model.station_id, htmlAttributes: new { @class = "control-label col-md-
2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_id, new { htmlAttributes = new { @class = "form-
control", @placeholder = "Enter Station ID", @disabled = true} })
                    @Html.ValidationMessageFor(model => model.station_id, "", new { @class = "text-danger" })
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.user_id, htmlAttributes: new { @class = "control-label col-md-
2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.user_id, new { htmlAttributes = new { @class = "form-control",
@disabled = true } })
                    @Html.ValidationMessageFor(model => model.user_id, "", new { @class = "text-danger" })
                </div>
            </div>*@

            <div class="form-group">
                @Html.LabelFor(model => model.station_name, htmlAttributes: new { @class = "control-label col-
md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_name, new { htmlAttributes = new { @class = "form-
control" } })
                    @Html.ValidationMessageFor(model => model.station_name, "", new { @class = "text-
danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.station_address, htmlAttributes: new { @class = "control-label
col-md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_address, new { htmlAttributes = new { @class =
"form-control" } })
                    @Html.ValidationMessageFor(model => model.station_address, "", new { @class = "text-
danger" })
                </div>
            </div>

            <div class="form-group">
                @Html.LabelFor(model => model.station_incharge, htmlAttributes: new { @class = "control-label
col-md-2" })
                <div class="col-md-10">
                    @Html.EditorFor(model => model.station_incharge, new { htmlAttributes = new { @class =
"form-control" } })
                    @Html.ValidationMessageFor(model => model.station_incharge, "", new { @class = "text-
danger" })
```

```
            </div>
        </div>

        <div class="form-group">
            @Html.LabelFor(model => model.station_contact_no, htmlAttributes: new { @class = "control-label
col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.station_contact_no, new { htmlAttributes = new { @class =
"form-control" } })
                @Html.ValidationMessageFor(model => model.station_contact_no, "", new { @class = "text-
danger" })
            </div>
        </div>

        <div class="form-group">
            <div class="col-md-offset-2 col-md-10">
                <input type="submit" value="Save" onclick="ShowProgress()" class="btn btn-primary" />
            </div>
        </div>
    </div>
}

<div class="saveSuccess" align="center" style="visibility:@ViewBag.Visibility;">
    <img src="~/Content/Images/tick.jpg" style="max-height:50px; max-width:50px; background:white;" />
    Police Station modified successfully.
</div>
<div class="saveError" align="center" style="visibility:@ViewBag.VisibilityE;">
    <img src="~/Content/Images/error.png" style="max-height:50px; max-width:50px; background:white;" />
    Error in modifing police station .
</div>

</div>
<div class="loading" align="center">
    Loading. Please wait.<br />
    <br />
    @*<img src="~/Content/ajax-loader.gif" style="max-height:inherit; max-width:inherit;" />*@
    <i class="fa fa-2x fa-spinner fa-spin"></i>
</div>
<script type="text/javascript">

    function ShowProgress()
    {
        console.log('ShowProgress');
        setTimeout(function () {
        var modal = $('<div />');
        modal.addClass("modal");
        //$('.container').append(modal);
        var loading = $(".loading");
        loading.show();
        var top = Math.max($(window).height() / 2 - loading[0].offsetHeight / 2, 0);
        var left = Math.max($(window).width() / 2 - loading[0].offsetWidth / 2, 0);
        loading.css({ top: top, left: left });
        }, 200);
        $(".container").css('opacity', '0.5');
        //$(".saveSuccess").css('visibility','visible');
    }

    function formReset() {
        if ('@ViewBag.Flag' === 'reset') {
          //  alert('viola');
            document.getElementById("addStationForm").reset();
        }
```

```
    }
</script>
```

1.7 Delete Police Station

```
@{
    ViewBag.Title = "DeletePoliceStation";
    Layout = "~/Views/Shared/_Admin.cshtml";
}



<div class="container">
    <h2>Delete Police Station</h2>
    <br />
    <br />
    @using (Html.BeginForm("deletePoliceStation", "DeletePoliceStation"))
    {
        <label for="sel1">Select Police Station ID</label>
        <br />

        <select class="form-control" name="stationId">
            @foreach (var sl in (List<string>)ViewBag.ListStation)
            {
                <option>@sl</option>
            }
        </select>
        <br />
        <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Delete Police
Station</button>
    }
    <br />
    <br />
    <div class="saveSuccess" align="center" style="visibility:@ViewBag.Visibility;">
        <img src="~/Content/Images/tick.jpg" style="max-height:50px; max-width:50px; background:white;" />
        Police Station deleted successfully.
    </div>
    <div class="saveError" align="center" style="visibility:@ViewBag.VisibilityE;">
        <img src="~/Content/Images/error.png" style="max-height:50px; max-width:50px; background:white;" />
        Error in deleting police station .
    </div>
</div>
<div class="loading" align="center">
    Loading. Please wait.<br />
    <br />
    @*<img src="~/Content/ajax-loader.gif" style="max-height:inherit; max-width:inherit;" />*@
    <i class="fa fa-2x fa-spinner fa-spin"></i>
</div>
```

1.8 Station Admin

```
@{
    ViewBag.Title = "Station Dashboard";
    Layout = "~/Views/Shared/_StationAdmin.cshtml";
}


<div class="location-bar hidden-xs row">
    <div class="col-sm-6"><p>Dashboard</p></div>
```

```
    <div class="col-sm-6 location-bar-right">
        <a href="index.html"><i class="fa fa-home"></i> / </a>
        <span>Dashboard</span>
        <a href="#"><i class="fa fa-chevron-left"></i></a>
    </div>
</div>


<div class="container">
    <h1>Welcome to the Station Admin Dashboard</h1>
    <h3>You can start by searching for a FIR below.</h3>
    <br />

    <div class="panel-group" id="accordion">

        <div class="panel panel-default">
            <div class="panel-heading">
                <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion" href="#collapse1">
                        Search FIR using FIR ID
                    </a>
                </h4>
            </div>
            <div id="collapse1" class="panel-collapse collapse in">
                <div class="panel-body">
                    @using (Html.BeginForm("showFIRListByID", "HQDashboard"))
                    {
                        <div class="form-group">
                            <label for="firID">FIR ID</label>
                            <input type="text" class="form-control" id="firID" placeholder="Please Enter FIR ID"
name="firID">
                        </div>

                        <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Submit</button>
                    }
                </div>
                <div class="saveError" align="center" style="visibility:@ViewBag.VisibilityI;">
                    <img src="~/Content/Images/error.png" style="max-height:40px; max-width:40px;
background:white;" />
                    FIR ID invalid , please try again.
                </div>
            </div>


        </div>


        <div class="panel panel-default">
            <div class="panel-heading">
                <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion" href="#collapse3">
                        Search FIR using status
                    </a>
                </h4>
            </div>
            <div id="collapse3" class="panel-collapse collapse">
                <div class="panel-body">
                    @using (Html.BeginForm("showFIRListByStatus", "HQDashboard"))
                    {
                        <label for="sel1">Select FIR Status</label>
                        <select class="form-control" name="selStatus">
                            <option disabled selected>Status</option>
```

```
                    <option>Pending</option>
                    <option>Done</option>

                </select>
                <button type="submit" onclick="ShowProgress()" class="btn btn-primary">Submit</button>
            }
        </div>
    </div>

</div>

</div>
@*<div class="saveError" align="center" style="visibility:@ViewBag.VisibilityE;">
    <img src="~/Content/Images/error.png" style="max-height:40px; max-width:40px; background:white;"
/>
    Something went wrong , please try again.
</div>*@
</div>

<div class="loading" align="center">
Loading. Please wait.<br />
<br />
@*<img src="~/Content/ajax-loader.gif" style="max-height:inherit; max-width:inherit;" />*@
<i class="fa fa-2x fa-spinner fa-spin"></i>
</div>
```

2.Controllers

2.1 Register FIR

```
using System;
using System.Web;
using System.Web.Mvc;
using System.IO;
using OnlineFIR.WebApp.Models.ViewModel;
using OnlineFIR.WebApp.Models.EntityManager;
using System.Security.AccessControl;
using System.Collections.Generic;
using System.Net.Mail;
using System.Configuration;
using System.Linq;



namespace OnlineFIR.WebApp.Controllers
{
    public class FIRController : Controller
    {
        Random rand = new Random();
        public const string Alphabet =
        "abcdefghijklmnopqrstuvwyxzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789";
        FIRManager FM = new FIRManager();
        // GET: FIR
        public ActionResult RegisterFIR()
        {
            ViewBag.ListS= FM.getStationList();
            return View();
        }

        [HttpPost]
```

```
        public ActionResult RegisterFIR(AddFIRView addFIRView, HttpPostedFileBase file, string selStation)
        {
            if (ModelState.IsValid)
            {
                string fir_id_tmp;

                try
                {
                    if (file.ContentLength > 0 && addFIRView != null)
                    {
                        string _FileName = Path.GetFileName(file.FileName);
                        DirectorySecurity securityRules = new DirectorySecurity();
                        securityRules.AddAccessRule(new
FileSystemAccessRule(System.Security.Principal.WindowsIdentity.GetCurrent().Name,
FileSystemRights.FullControl, AccessControlType.Allow));
                        Directory.CreateDirectory(Server.MapPath("~/UploadedFiles/" +
addFIRView.fir_complaintnee_name + addFIRView.fir_date), securityRules);
                        string _path = Path.Combine(Server.MapPath("~/UploadedFiles/" +
addFIRView.fir_complaintnee_name + addFIRView.fir_date), _FileName);
                        file.SaveAs(_path);
                        fir_id_tmp = FM.AddFir(addFIRView, _path, selStation);
                        if (fir_id_tmp != null)
                        {
                            sendEmail("Email Verification", "Your FIR has been successfully registered",
addFIRView.email);
                            TempData["fir_complaintnee_name_tmp"] = addFIRView.fir_complaintnee_name;
                            TempData["fir_id_tmp"] = fir_id_tmp;
                            //ViewBag.fir_complaintnee_name_tmp= addFIRView.fir_complaintnee_name;
                            return RedirectToAction("RegistrationSuccess", "RegistrationSuccess");
                        }
                        else
                        {
                            ViewBag.Message = "One or more validation error occurred please check your entered
details.";
                            ViewBag.ListS = FM.getStationList();
                            return View();
                        }
                    }
                    else
                    {
                        ViewBag.Message = "One or more validation error occurred please check your entered
details.";
                        ViewBag.ListS = FM.getStationList();
                        return View();
                    }
                    // ViewBag.Message = "File Uploaded Successfully!!";
                }
                catch (Exception e)
                {
                    ViewBag.Message = "Something went wrong please try again.";
                    ViewBag.ListS = FM.getStationList();
                    return View();
                }
                //FormsAuthentication.SetAuthCookie(addFIRView.FirstName, false);


            }
            ViewBag.Message = "Model state not valid.";
            ViewBag.ListS = FM.getStationList();
            return View();
        }
```

```
        public bool sendEmail(string subject, string msg, string to)
        {
            try
            {
                MailMessage mail = new MailMessage();
                mail.To.Add(to);
                mail.From = new MailAddress(ConfigurationManager.AppSettings["emailFrom"]);
                mail.Subject = subject;
                mail.Body = msg;
                mail.IsBodyHtml = true;
                SmtpClient smtp = new SmtpClient();
                smtp.Host = "smtp.gmail.com";
                smtp.Port = 587;
                smtp.UseDefaultCredentials = false;
                smtp.Credentials = new
System.Net.NetworkCredential(ConfigurationManager.AppSettings["emailFrom"],
ConfigurationManager.AppSettings["emailPassword"]);
                smtp.EnableSsl = true;
                smtp.Send(mail);
                return true;
            }
            catch (Exception e)
            {

                return false;
            }
        }


        public string GenerateString(int size)
        {
            char[] chars = new char[size];
            for (int i = 0; i < size; i++)
            {
                chars[i] = Alphabet[rand.Next(Alphabet.Length)];
            }
            return new string(chars);
        }

    }
    }
```

2.2 View Status

```
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.EntityManager;

namespace OnlineFIR.WebApp.Controllers
{
    public class FIRStatusController : Controller
    {
        // GET: FIRStatus
        public ActionResult FIRStatus()
        {
            return View();
        }

        [HttpPost]
        public ActionResult FIRStatus(string firID)
```

```
        {
            string res = new FIRManager().CheckStatus(firID);
            if (!res.Equals(""))
            {
                if (res.Equals("0"))
                {
                    ViewBag.Pending = "The FIR is pending";
                }
                else if (res.Equals("1"))
                {
                    ViewBag.InProcess = "The FIR is in process";
                }
            }
            else
                ViewBag.Error = "Error retrieving in status , Please check the FIR ID and try again.";

            return View();
        }
    }
}
```

2.3 Login

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.EntityManager;
using OnlineFIR.WebApp.Models.ViewModel;


namespace OnlineFIR.WebApp.Controllers
{
    public class LoginController : Controller
    {
        // GET: Login
        string user_id;

        Random randm = new Random();

        public ActionResult Login()
        {
            return View();
        }

        [HttpPost]
        public ActionResult Login(LoginView lv)
        {
            char ch = new FIRManager().checkUserRole(lv.user_id, lv.user_password);
            if (ch.Equals('0'))
            {
                Session["userId"] = lv.user_id;
                return RedirectToAction("Dashboard", "Dashboard");
            }
            else if (ch.Equals('1'))
            {
                return RedirectToAction("HQDashboard", "HQDashboard");
            }
            user_id = lv.user_id;
            return View();
        }
```

```
        public ActionResult SendResetMail()
        {
            return RedirectToAction("ForgotPassword", "ForgotPassword");
        }


    }
}
```

2.4 HQ Dashboard

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.EntityManager;

namespace OnlineFIR.WebApp.Controllers
{
    public class HQDashboardController : Controller
    {
        // GET: HQDashboard
        public ActionResult HQDashboard()
        {
            //ViewBag.VisibilityE = "hidden";
            ViewBag.ListStation = new FIRManager().getStationList();

            ViewBag.VisibilityI = "hidden";
            return View();
        }

        [HttpPost]
        public ActionResult showFIRListByID(string firID)
        {
            Session["selStatus"] = null;
            Session["selStation"] = null;

            // ViewBag.VisibilityE = "hidden";
            if (!firID.Equals(null))
            {
                if (new FIRManager().checkValidFIRID(firID))
                {
                    Session["firID"] = firID;
                    return RedirectToAction("FIRDetails", "FIRDetails");
                }
                else
                    ViewBag.VisibilityI = "visible";
                //new FIRListController().showFIRDetails(firID);
            }



            return View();

        }

        public ActionResult showFIRListByStationId(string selStation)
        {
            Session["selStatus"] = null;
            Session["firID"] = null;
```

```
            ViewBag.VisibilityI = "hidden";
            if (!selStation.Equals(null))
            {
                Session["selStation"] = selStation;
                return RedirectToAction("FIRList", "FIRList");
            }
            return View();
        }

        public ActionResult showFIRListByStatus(string selStatus)
        {
            Session["firID"] = null;
            Session["selStation"] = null;
            ViewBag.VisibilityI = "hidden";
            if (!selStatus.Equals(null))
            {
                Session["selStatus"] = selStatus;
                return RedirectToAction("FIRList", "FIRList");
            }
            return View();
        }
    }
}
```

2.5 Station Admin

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.EntityManager;


namespace OnlineFIR.WebApp.Controllers
{
    public class DashboardController : Controller
    {
        // GET: Dashboard
        public ActionResult Dashboard()
        {
            ViewBag.VisibilityI = "hidden";
            return View();
        }
        [HttpPost]
        public ActionResult showFIRListByID(string firID)
        {
            // ViewBag.VisibilityE = "hidden";
            if (!firID.Equals(null))
            {
                if (new FIRManager().checkValidFIRID(firID))
                {
                    Session["firID"] = firID;
                    return RedirectToAction("FIRDetails", "FIRDetails");
                }
                else
                    ViewBag.VisibilityI = "visible";
                //new FIRListController().showFIRDetails(firID);
            }
```

```
            return View();

        }
        public ActionResult showFIRListByStatus(string selStatus)
        {
            ViewBag.VisibilityI = "hidden";
            if (!selStatus.Equals(null))
            {
                Session["selStatus"] = selStatus;
                return RedirectToAction("FIRList", "FIRList");
            }
            return View();
        }
    }
}
```

2.6 Add Station

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using OnlineFIR.WebApp.Models.EntityManager;
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.ViewModel;

namespace OnlineFIR.WebApp.Controllers
{
    public class AddStationController : Controller
    {
        FIRManager FM = new FIRManager();
        // GET: AddStation
        public ActionResult AddStation()
        {
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";
            // ViewBag.Flag = "noReset";
            return View();
        }
        [HttpPost]
        public ActionResult AddStation(AddPoliceStation addPoliceStation)
        {
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";
            if (ModelState.IsValid) {
                System.Threading.Thread.Sleep(1000);
                bool t=FM.createStation(addPoliceStation);
                // ViewBag.Success = "<div class='saveSuccess' align='center'><img src =
'~/Content/Images/tick.jpg' style = 'max-height:50px; max-width:50px;'/>Police Station created
successfully.</div> ";
                if (t)
                {
                    ViewBag.Visibility = "visible";
                    ViewBag.Flag = "reset";
                }
                else
                { ViewBag.VisibilityE = "visible"; }
                return View();
            }
            return View();
        }
```

```
    }
}
```

2.7 Edit Station

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using OnlineFIR.WebApp.Models.EntityManager;
using OnlineFIR.WebApp.Models.ViewModel;
using System.Web.Mvc;

namespace OnlineFIR.WebApp.Controllers
{
    public class EditStationController : Controller
    {
        FIRManager FM = new FIRManager();
        // GET: EditStation
        public ActionResult EditStation()
        {
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";
            if (Session["userId"] != null)
            {
                return View(FM.getStationDetails(FM.getStationIdFromUserId(Session["userId"].ToString()))[0]);
            }
            else if (Session["userId"] != null) {

            }
            return View();
        }

        [HttpPost]
        public ActionResult EditStation(EditPoliceStation editPoliceStation)
        {
            editPoliceStation.user_id = Session["userId"].ToString();
            editPoliceStation.station_id = FM.getStationIdFromUserId(Session["userId"].ToString());
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";
           // if (ModelState.IsValid)
            {
                bool t = FM.editStation(editPoliceStation);
                if (t)
                {
                    ViewBag.Visibility = "visible";
                    ViewBag.Flag = "reset";
                }
                else
                { ViewBag.VisibilityE = "visible"; }
                return View();
            }

            return View();

        }
    }
}
```

2.8 Delete Station

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using OnlineFIR.WebApp.Models.EntityManager;


namespace OnlineFIR.WebApp.Controllers
{
    public class DeletePoliceStationController : Controller
    {
        FIRManager FM = new FIRManager();
        // GET: DeletePoliceStation
        public ActionResult DeletePoliceStation()
        {
            ViewBag.ListStation = FM.getStationList();
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";

            return View();
        }
        [HttpPost]
        public ActionResult deletePoliceStation(string stationId)
        {
            ViewBag.ListStation = FM.getStationList();
            ViewBag.Visibility = "hidden";
            ViewBag.VisibilityE = "hidden";
            bool t = FM.deleteStation(stationId);
            if (t) { ViewBag.Visibility = "visible"; return View(); }
            else { ViewBag.VisibilityE = "visible"; return View(); }

        }
    }
}
```

11.CONCLUSION

Indian Police System has remained devoid of web technology, with most works being carried out on a pen and paper basis. This traditional method is prone to delays and inefficiency. This paper proposes to simplify and speed up the process of FIR registration and tracking. With the advancement and incorporation of internet and web technology into the Indian Police System, it will definitely boost up the proceedings. This project aims to help the public and the police officers alike. The updates about case details are notified directly to the complainant through the application. The ease of access of the web application by the citizens of India will encourage a more fast and efficient processing of the FIR filing.