



Daffodil *International* **University**

Online Fire Reporting System.

Course code: CSE234

Course Title: OOP II

Submitted To

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Report: Online Fire Reporting System.

Abstract:

This Online Fire Reporting System has two sides of the user interface which are the Management Panel/Admin Panel and the Public Site.

The Public Site is accessible to anyone where the citizens can submit a report requesting an immediate response or rescue on the ongoing fire incident that they are witnessing. The said site also contains public content and information about the system or the fire department such as the 'About Us' Content and Contact Information. Visitors of this site can also monitor or check the current status of the event by simply searching the requestor's name, contact number, or the request code. The visitor can also view the request details, assigned team details, and update status history.

The Management Site/Panel is the side of the system that is accessible only to the management. This site requires valid user credentials in order to gain access to the features and functionalities of the said side. The users have 2 different roles which are the Administrator and Staff. The Administrator users have the privilege to access and manage all the features and functionalities while the Staff Users only have limited permission. On this site, the fire department management staff can create and manage requests, update requests' status, assign the available team, and generate a printable report.

Introduction:

This simple project is an Online Fire Reporting System. This is a web-based application project developed in VS code. This project provides an online platform for Fire Department which allows the citizens to submit an ongoing fire incident. The application helps the said department to manage the reports and assign their teams. It has a pleasant user interface with help of Bootstrap Framework and Admin LTE Template. This system project also consists of user-friendly features and functionalities.

Features:

Public-Site

- Read 'Home' Content
- Read 'Reporting' Content
- View Status
- Admin Login

Management-Site

- **Dashboard**
 - Home page.
- **Team Management**
 - Add New Team
 - List All Teams
 - Edit/Update Team Details
 - View Team Details
 - Delete Team
- **Request Management**
 - Add New Request
 - List All Requests
 - List Filtered Requests by Status
 - View Request Details
 - Update Request Details
 - Assign Team
 - Update Request Status
 - Delete Request
- **Report**
 - Generate Printable Daily Report
- **User Management**
 - Add New User
 - List All Users
 - View User Details
 - Edit User Details
 - Delete User Details
- **Update Contact Information**
- **Update System Information**
- **Update Account Details/Credentials**
- **Login and Logout**

Preliminary:

My project name is my Online Fire Reporting System.

1. First open command pad and create a directory. Then create a project name "Online Fire Reporting System".

Method:

admin login code.

```
{% include 'navbar.html' %}
{% load static %}
<body style="background-color: #dbe2da;">

<hr>
<div class="container mt-5">
    <div class="card">
        <div class="card-body">
            <form method="post">
                {% csrf_token %}
                <h5 class="card-title text-center text-danger" style="font-family:'Monotype corsiva'; font-size:30px">Admin Login</h5>
                <div class="mb-3">
                    <label>Username</label>
                    <input type="text" name="uname" class="form-control" placeholder="Enter Username" required>
                </div>
                <div class="mb-3">
                    <label>Password</label>
                    <input type="password" name="password" class="form-control" placeholder="Enter Password" required>
                </div>
                <button type="submit" class="btn btn-primary">Submit</button>
            </form>
        </div>
    </div>
</div>

{% if error == "no" %}
<script>
    alert('Logged In Successfully');
    window.location=('{% url 'dashboard' %}');
</script>
{% endif %}

{% if error == "yes" %}
```

```

<script>
    alert('Invalid Credentials, Please try again');
</script>
{% endif %}

</body>

{% include 'footer.html' %}

```

Footer.html

```

{% load static %}

<div class="mt-3" style="background-color: #456e97; width:100%; height:180px">
    <div class="container">
        <div class="row">
            <div class="col-md-4 mt-2">
                <h3 class="text-white">About</h3>
                <p style="color: yellow; font-size : 16px">Online Fire Reporting System
Project is a Web-based application. This application is used to report fire incidents
immediately</p>
            </div>

            <div class="col-md-4 mt-2">
                <h3 class="text-white">Useful Link</h3>
                <p><a href="{% url 'index' %}" style="color: yellow; font-size :
16px">Home</a></p>
                <p><a href="{% url 'reporting' %}" style="color: yellow; font-size :
16px">Add Report</a></p>
                <p><a href="{% url 'viewStatus' %}" style="color: yellow; font-size :
16px">View Status</a></p>
            </div>

            <div class="col-md-4 mt-2">
                <h3 class="text-white">Address</h3>
                <p style="color: yellow; font-size : 16px"><i class="fa fa-map-marker
text-danger"></i> Kazi Alauddin Road,Dhaka </p>
                <p style="color: yellow; font-size : 16px"><i class="fa fa-envelope text-
danger"></i> abc123@gmail.com </p>
                <p style="color: yellow; font-size : 16px"><i class="fas fa-phone-volume
text-danger"></i> 01632059107 </p>
            </div>

        </div>
    </div>
</div>

```

Index.html

```
{% include 'navbar.html' %}
{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Index - Online Fire Report Management System</title>
</head>
<body>



</body>
</html>
{% include 'footer.html' %}
```

Navbar.html

```
{% load static %}

<title>Online Fire Reporting System</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
integrity="sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">

<link rel="stylesheet" href="{% static 'css/mystyle.css' %}">

<nav class="navbar navbar-expand-md bg-custom navbar-dark">
    <!-- Brand -->
    
    <a class="navbar-brand pl-2" href="#"> Online Fire Reporting System</a>

    <!-- Toggler/collapsible Button -->
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#collapsibleNavbar">
        <span class="navbar-toggler-icon"></span>
```

```

</button>

<!-- Navbar links -->
<div class="collapse navbar-collapse" id="collapsibleNavbar">
  <ul class="navbar-nav pl-5 ml-auto">
    <li class="nav-item">
      <a class="nav-link" href="{% url 'index' %}"><i class="fas fa-home"></i> Home</a>
    </li>

    <li class="nav-item">
      <a class="nav-link" href="{% url 'reporting' %}"><i class="fas fa-file"></i>
Reporting</a>
    </li>

    <li class="nav-item">
      <a class="nav-link" href="{% url 'viewStatus' %}"><i class="fas fa-eye"></i> View
Status</a>
    </li>

    <li class="nav-item">
      <a class="nav-link" href="{% url 'admin_login' %}"><i class="fas fa-sign-in-
alt"></i> Admin Login</a>
    </li>

  </ul>
</div>
</nav>

```

Reporting.html

```

{% include 'navbar.html' %}
{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Reporting - Online Fire Report Management System</title>

</head>

<body style="background-color: #f7f7f7;">


<div class="container mt-5">
  <h3 class="page-title text-center">Online Fire Report</h3>
  <div class="card mt-3" style="border: 5px solid #573170;">
    <div class="card-body">
      <h2 class="card-title text-center" style="text-transform: uppercase;
color:#573170;">Apply Now</h2>

```

```

<hr>
<form method="post">
    {% csrf_token %}
    <div class="mb-3 row">
        <label class="col-sm-2 col-form-label">Name</label>
        <div class="col-sm-10">
            <input type="text" name="FullName" class="form-control"
placeholder="Enter Name" required>
        </div>
    </div>

    <div class="mb-3 row">
        <label class="col-sm-2 col-form-label">Mobile Number</label>
        <div class="col-sm-10">
            <input type="text" name="MobileNumber" class="form-control"
placeholder="Enter Mobile No." maxlength="10"
            required>
        </div>
    </div>

    <div class="mb-3 row">
        <label class="col-sm-2 col-form-label">Location</label>
        <div class="col-sm-10">
            <input type="text" name="Location" class="form-control"
placeholder="Enter Your Location" required>
        </div>
    </div>

    <div class="mb-3 row">
        <label class="col-sm-2 col-form-label">Message</label>
        <div class="col-sm-10">
            <textarea name="Message" class="form-control"
placeholder="Message...." required></textarea>
        </div>
    </div>
    <button type="submit" class="btn btn-primary float-right">Submit</button>
</form>
</div>
</div>
{% if error == "no" %}
<script>
    alert('Reporting Successfull');
</script>
{% endif %}

{% if error == "yes" %}
<script>
    alert('Something went wrong, Try Again...');

```



```

</script>
{% endif %}

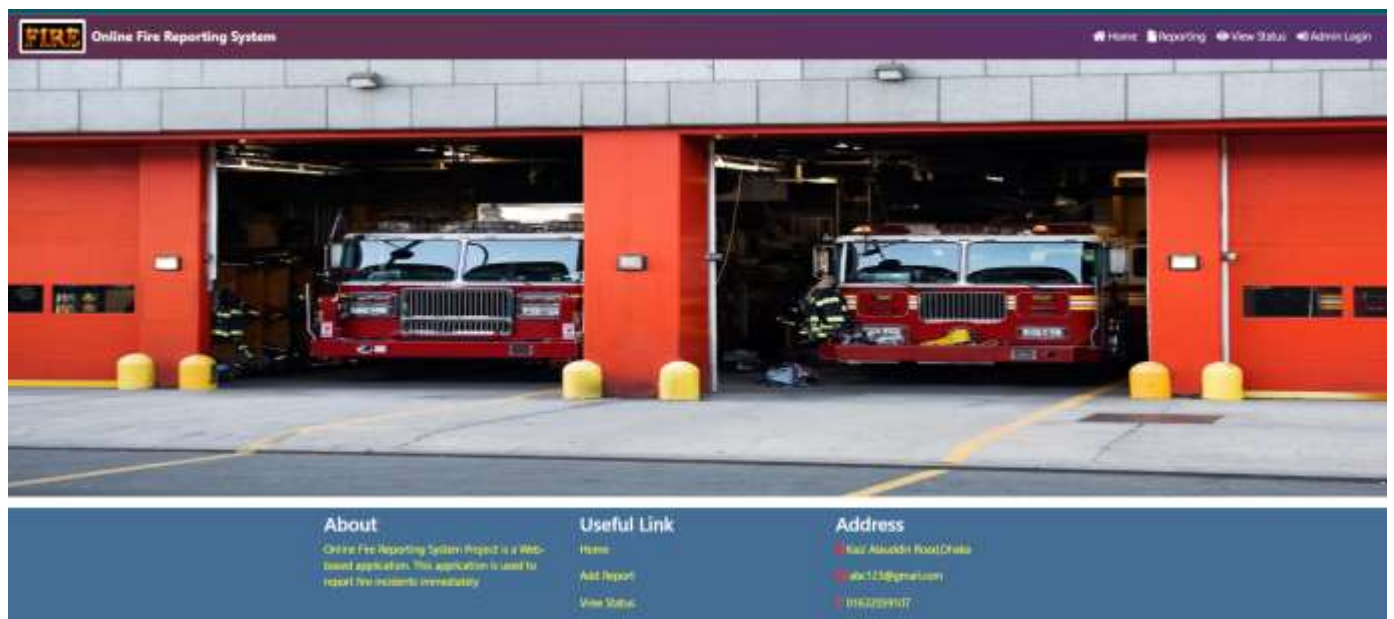
<br><br><br>
</body>
</html>

{% include 'footer.html' %}

```


Out put:

Home page.



Reporting page.

FIRE Online Fire Reporting System [Home](#) [Reporting](#) [View Status](#) [Admin Login](#)




ONLINE FIRE REPORT

APPLY NOW

Name	<input type="text" value="Enter Name"/>
Mobile Number	<input type="text" value="Enter Mobile No."/>
Location	<input type="text" value="Enter Your Location"/>
Message	<input type="text" value="Message..."/>

View Status.

FIRE Online Fire Reporting System [Home](#) [Reporting](#) [View Status](#) [Admin Login](#)



About Online Fire Reporting System Project is a Web-based application. This application is used to report fire incidents immediately.	Useful Link Home Add Report View Status	Address Kast Alakuldu Road/Dhaka atax123@gmail.com 0161220101
---	---	---

VIEW STATUS DETAILS

Personal Information			
Full Name	yeshin mla	Mobile Number	0188410598
Location	ashuli.saver,Chaka	Reporting Time	Dec. 2, 2022, 9:52 am.
Message	There is a terrible fire here. Please, send the fire unit.		

Assigned Details

Not Updated Yet

No Tracking history found

About

Online Fire Reporting System Project is a Web-based application. This application is used to report fire accidents immediately.

Useful Link

[Home](#)

[Add Report](#)

[View Status](#)

Address

[East Alauddin Road,Chaka](#)

[abc123@gmail.com](#)

[01632059107](#)

Admin Login.

Online Fire Reporting System

[Home](#) |
 [Reporting](#) |
 [View Status](#) |
 [Admin Login](#)

Admin Login

Submit

About

Online Fire Reporting System Project is a Web-based application. This application is used to report fire accidents immediately.

Useful Link

[Home](#)

[Add Report](#)

[View Status](#)

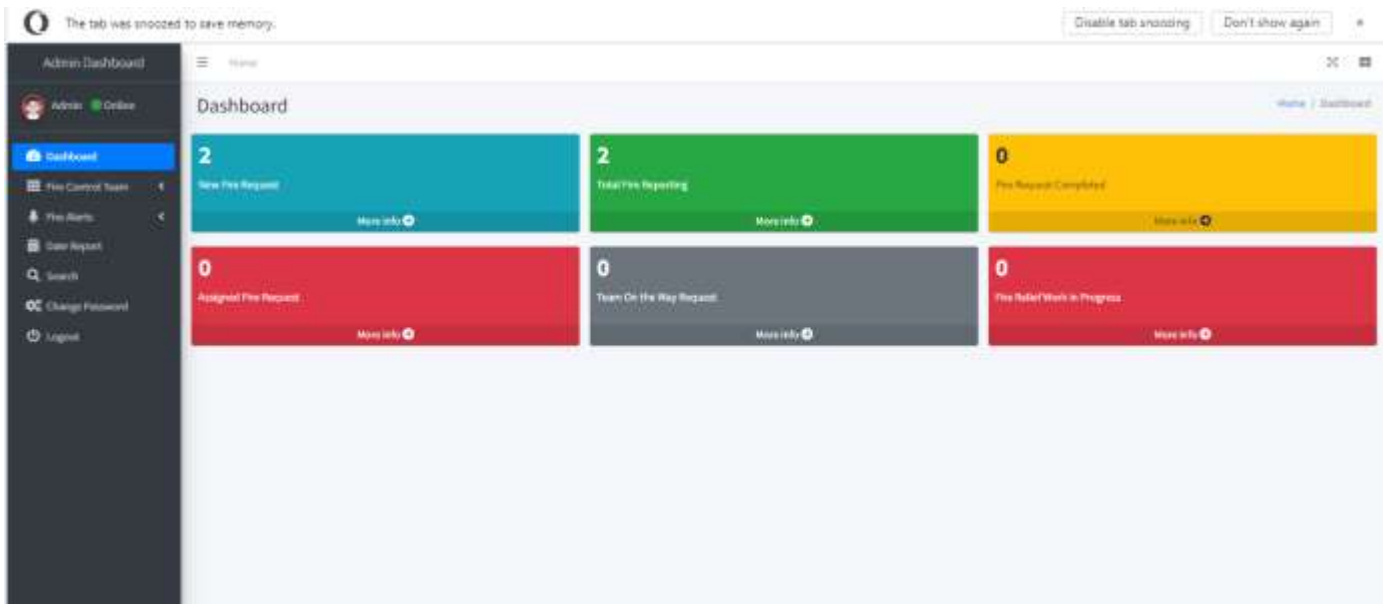
Address

[East Alauddin Road,Chaka](#)

[abc123@gmail.com](#)

[01632059107](#)

Admin Dashboard.



The New Request Details page shows a table of fire incident reports:

#	Name	Mobile Number	Location	Message	Reporting Time	Action
1	person xia	00041006	achala,son,Shaka	There is a terrible fire here. Please, send the fire unit.	Dec. 2, 2022, 9:52 am	View
2	person xia	00041006	achala,son,Shaka	ryetpprryy	Dec. 2, 2022, 12:51 pm	View

Conclusion: A fire incident report is a document used by fire department personnel or fire safety officers to provide a narrative around the cause of a fire incident, damage or injuries caused, and lives lost, if any. Benefits of using fire reporting system: Fire departments can use FRS to track and manage apparatus, personnel and casualty information, document the full range of department activity, and justify budgets with summary and statistical data. Fire departments can use FRS data to focus on current community challenges, predict future issues, and measure program performance. The modular design of FRS makes the system easy to use because it captures only the data required to describe an incident.

GitHub Link: <https://github.com/Yeasin-543/oop-lab-project>

THANK YOU

