Track the ID on FEDEX Website

Dissertation submitted in partial fulfilment of the

requirements for the award of the Course of

EXL- Certified Software Test Engineer

Submitted By

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CONTENTS

1.INTRODUCTION

Purpose:

The purpose of this document is to build an online system to ship, track and deliver the product to user in reliable way or in time.

Courier Management System is the simplest solution for Courier & Cargo Tracking Business. This Courier Management System project will have different modules. The login section will have login facility for the admin who will operate this system and online tracking system of consignment and shipping detail for domestic shipping. While taking orders from its customers, it will take all the details of its customers who is placing the orders and all the details for the recipient such as its address, name ,mobile number.

During billing process, system generates a consignment number for their products. Through this consignment no. customers or its recipient will able to track their products from any location using internet . It will provide status of the product after placing orders.

This Courier Management System project will provide information recipient with following detail – where the current consignment is till when it will reached its final destination, date of placing consignment, final date to reach its destination etc

2.SCOPE

Courier management is the process of organizing last-mile delivery operations. Courier management involves scheduling order deliveries and assigning them to couriers, overseeing operations, planning and optimizing routes, overseeing vehicles, managing fuel, and handling courier expense approvals.

The main objective of the Courier Management System is to manage the details of Courier ,Email Notification ,Payment ,Delivery ,Customer. It manages all the information about Courier, Bill, Customer, Courier. The project is totally built at administrative end and thus only the administrator is guaranteed the access.

It improves customer experience through better engagement, real-time order tracking, communication and much more. With AI-enabled algorithms and integrated dashboards that can be customized, courier management software minimizes the time, effort, and resources required to ensure efficient deliveries.

3. REQUIREMENT SPECIFICATION

3.1 HARDWARE SPECIFICATION

Processors will continue to get faster, smaller and cheaper whereas memory will continue to get faster, larger and cheaper. The trend except to have a reasonable memory to a powerful processor.

Processor	:	11th Gen Intel(R) Core (TM) i3
Ram	:	1GB RAM
Hard Drive	:	160 GB
Monitor	:	16 INCHES
Keyboard	:	104 keys
Mouse	:	Logitech Optical Mouse

3.2 SOFTWARE SPECIFICATION

When an application project is considered the three basic softwarerequirements are the platform in which the project is developed, the front-end tool that provides the interaction with the users and the back-end tool that stores the data.

Operating System	: Windows11
Front-end	: Visual Studio, Chrome
Back-end	:MySQL , PHP

3.3 FEATURES OF TRACKING IN ONLINE SYSTEM

InboundTracking

In addition to a variety of tracking options, you'll receive FedEx Ship Alert® notifications for pickups, deliveries and exceptions.

StandardRates

Packages are rated with both discount and standard rates from a single-rate request to help you predict shipping costs.

Flexibility

You can customize and integrate the user interface with your existing business systems. You also get convenient delivery of FedEx Express® and FedEx Ground® shipments to more than 1,900 FedEx Office locations via our service.

ScalableTechnology

Adapt and expand to fit your customers' changing needs. A single installation of FedEx Ship Manager Server can support a large number of shipping origins, accounts and meters, regardless of location.

ACustomizableInterface

FedEx Ship Manager Server is a transaction-based application that does not have a predetermined graphical user interface (GUI). That means you can develop an interface that meets your specific needs and preferences.

ThoroughDocumentation

You can access detailed user documentation with full descriptions on all key features and transactions, and develop greater awareness of customers' shipping activity through daily shipping reports.

Self-ContainedShipping

All shipping functionality is contained within the FedEx Ship Manager Server application, preventing the need for constant communications with FedEx systems to perform vital shipping functions. You get greater application speed and fewer security risks from point-to-point electronic communications.

GlobalAvailability

Ship to and from any FedEx served origin and destination. You also have fast, global return service to help streamline your international shipping operations.

4.SYSTEM DESIGN

4.1. Use Case Diagram
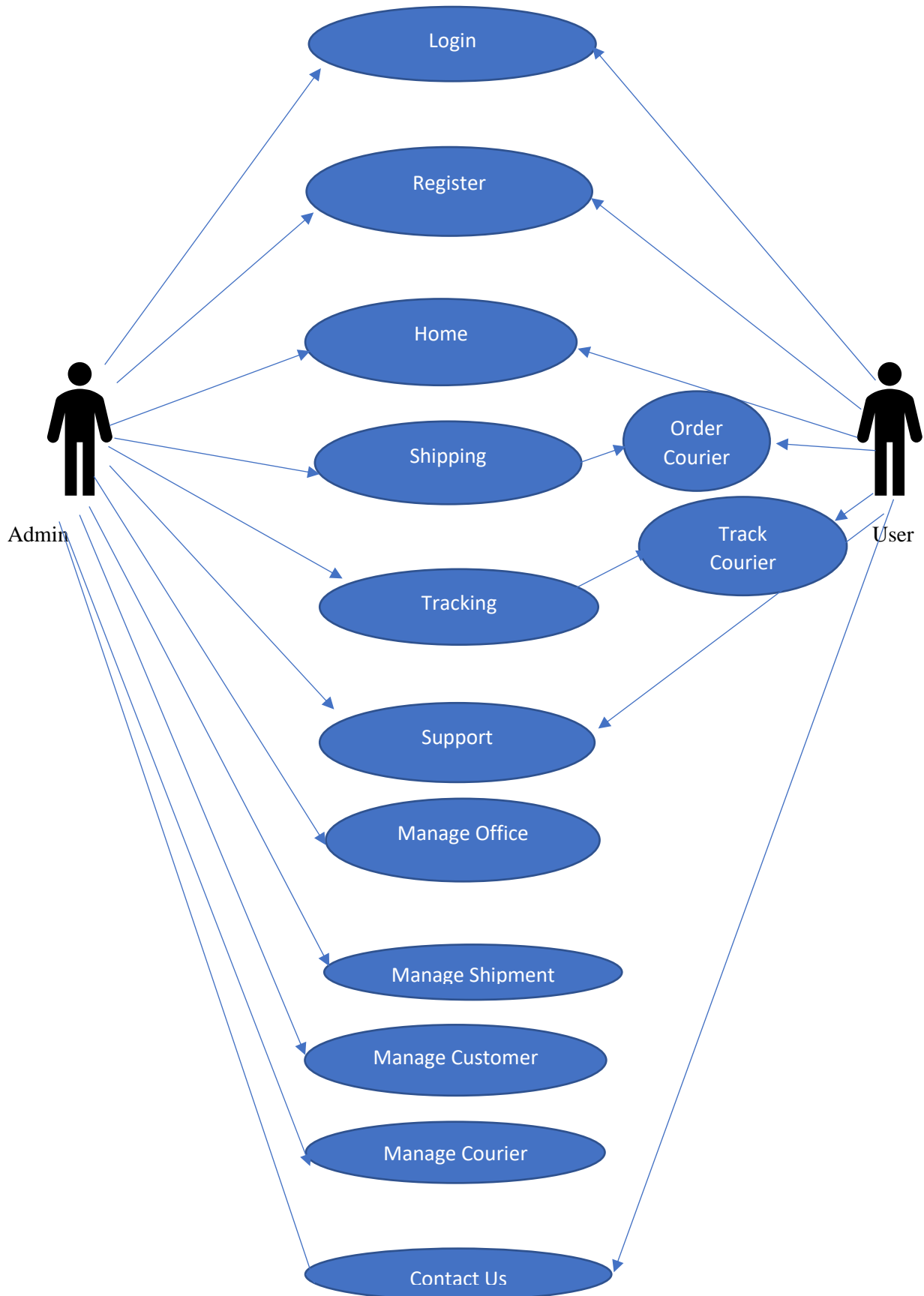
4.1.1:USECASE DISCRIPTION

Use-case diagrams **describe the high-level functions and scope of a system**. These diagrams also identify the interactions between the system and its actors. The use cases and actors in use-case diagrams describe what the system does and how the actors use it, but not how the system operates internally.

The main purpose of a use case diagram is to portray the dynamic aspect of a system. It accumulates the system's requirement, which includes both internal as well as external influences. It invokes persons, use cases, and several things that invoke the actors and elements accountable for the implementation of use case diagrams. It represents how an entity from the external environment can interact with a part of the system.

SR. No	USECASE	ACTOR	DISCRIPTION
1	Login	Admin, User	Enter Username and password
2	Register	Admin, User	Enter Username, Email Id, Password
3	Contact Us	Admin, User	Enter Username, Email Id Password, Query

4.1.2:USECASE EXPLAINATION

Use case 001: login
INTORDUCTION: this use case outlines the step that need to be followed in order to login into the system.
Start
ACTOR: Administrator, Student (user)
PRE-CONDITION: user has to have a valid credential
POST- CONDITION: the system display the relevant page
BASIC FLOW: the user enter the user name and password

SCENARIO:

ACTOR	SOFTWARE REACTION
Username , password	If it is valid user can enter into system
	If it is invalid user it indicates it is wrong user name or password

ALTERNATE FLOW: the user can enter the Email Id
SPECIAL REQUIREMENTS: None
ASSOCIATED USE CASE(S): None

Use case 002: Registration
INTORDUCTION: this use case outlines the step that need to be followed in order to register form
ACTOR: student (user) and admin.

PRE-CONDITION: user has to have a valid credential
POST-CONDITION: the system display the relevant page
BASIC FLOW: the system confirms that the entered details is correct
or not.

Scenario:

ACTOR	SOFTWARE REACTION
Username Email Id Password	The system verifies that the above items has been filledout If any data is missing, the system warns the user If all data has been entered the system ask the user to checkalldata. If all data filled then click on register.

ALTERNATE FLOW: None
SPECIAL REQUIREMENTS: None
ASSOCIATED USE CASE(S): None

Use case 003: Contact us

INTORDUCTION: this use case outlines the step that need to be
followed in order to fill out the data
ACTOR: student (user) and admin
PRE-CONDITION: user has to have a valid credential
POST-CONDITION: the system display the relevant page
BASIC FOLW: the user enter the details.

ACTOR	SOFTWARE REACTION
Firstname Lastname Emailid Password Address Subject Query	If all data is filled then system will give you expected solution of that query.

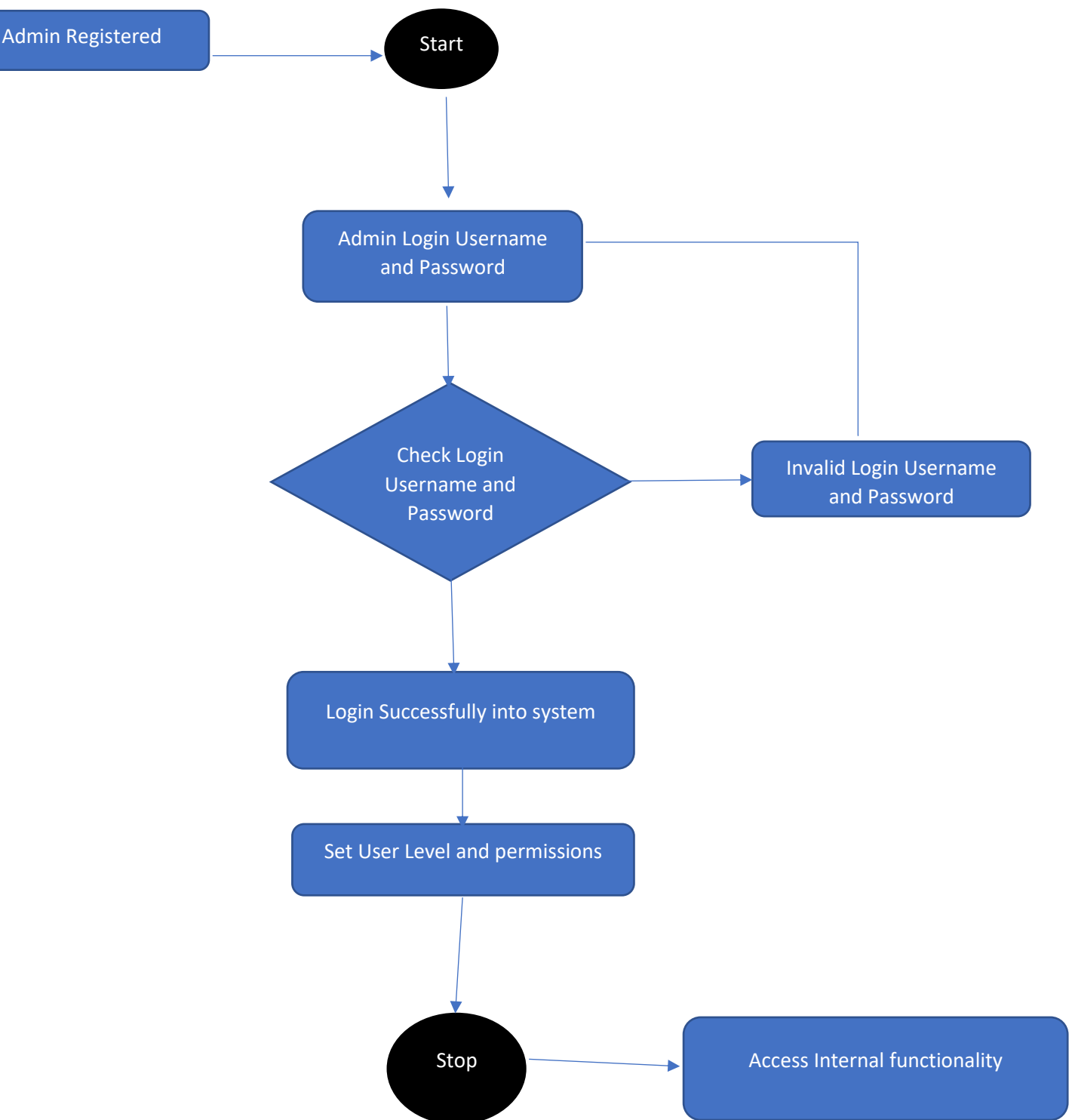ALTERNATE FLOW: click on customer support
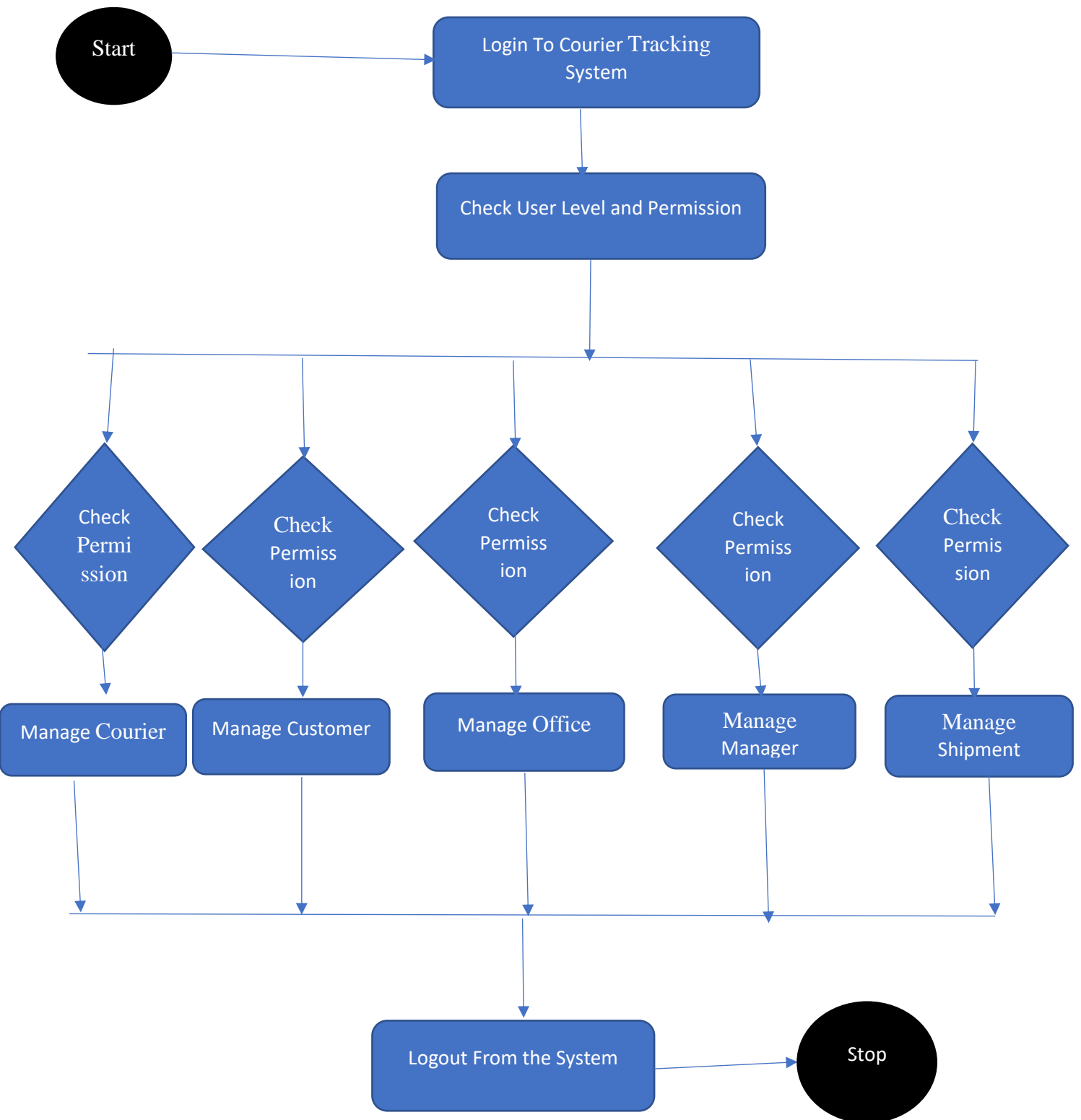SPECIAL REQUIREMENTS: None
ASSOCIATED USE CASE(S): None

4.2.Activity Diagram

An activity diagram shows online and software processes as a progression of actions.
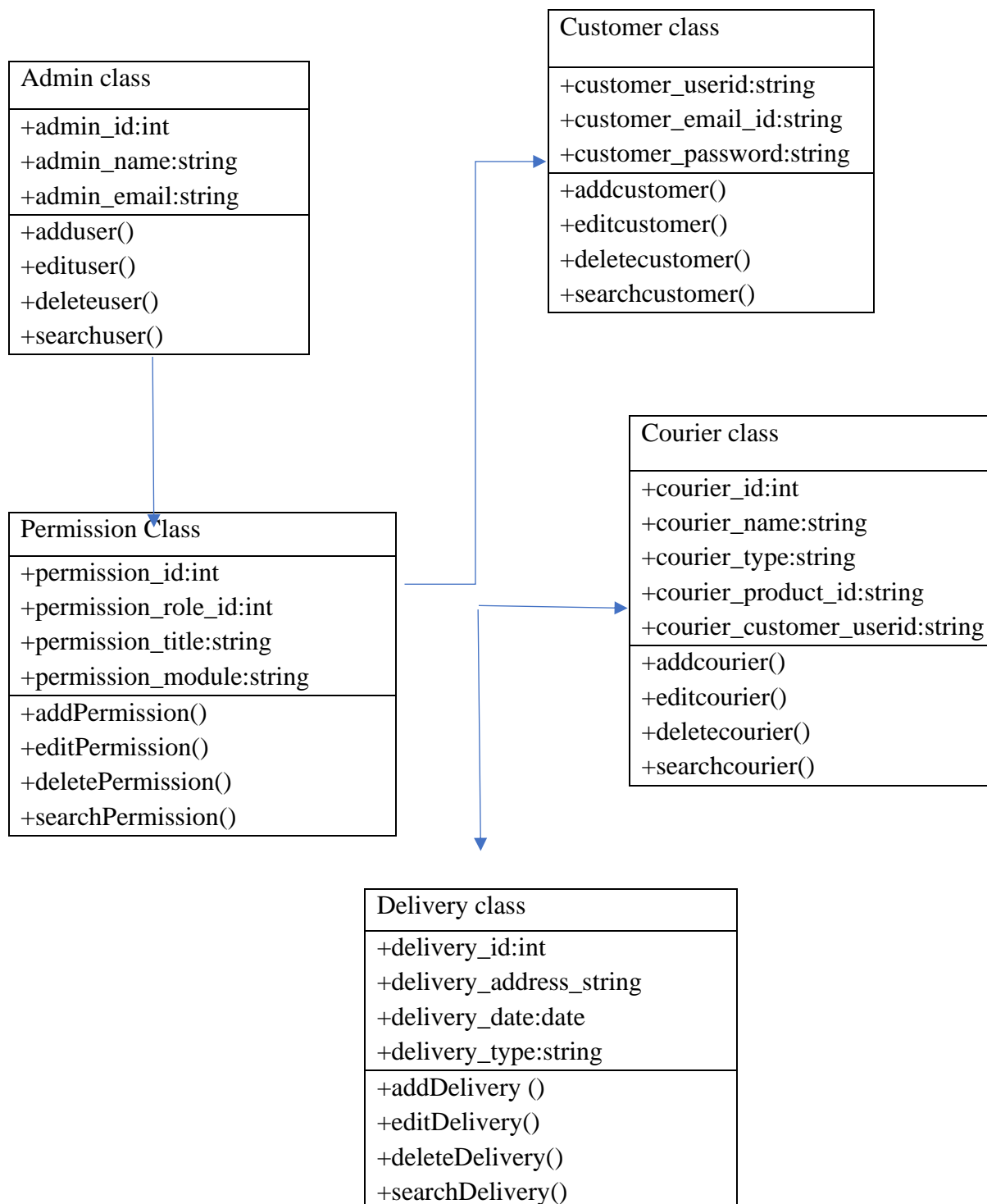
Login Activity Diagram

Activity diagram of Courier Tracking System

```
Start  →  Login To Courier Tracking System
                      ↓
          Check User Level and Permission
                      ↓
    ┌──────┬──────┬──────┬──────┬──────┐
    ↓      ↓      ↓      ↓      ↓
 Check   Check  Check  Check  Check
 Permi   Permiss Permiss Permiss Permis
 ssion   ion    ion    ion    sion
    ↓      ↓      ↓      ↓      ↓
 Manage  Manage  Manage  Manage  Manage
 Courier Customer Office  Manager Shipment
    └──────┴──────┴──────┴──────┘
                      ↓
          Logout From the System  →  Stop
```
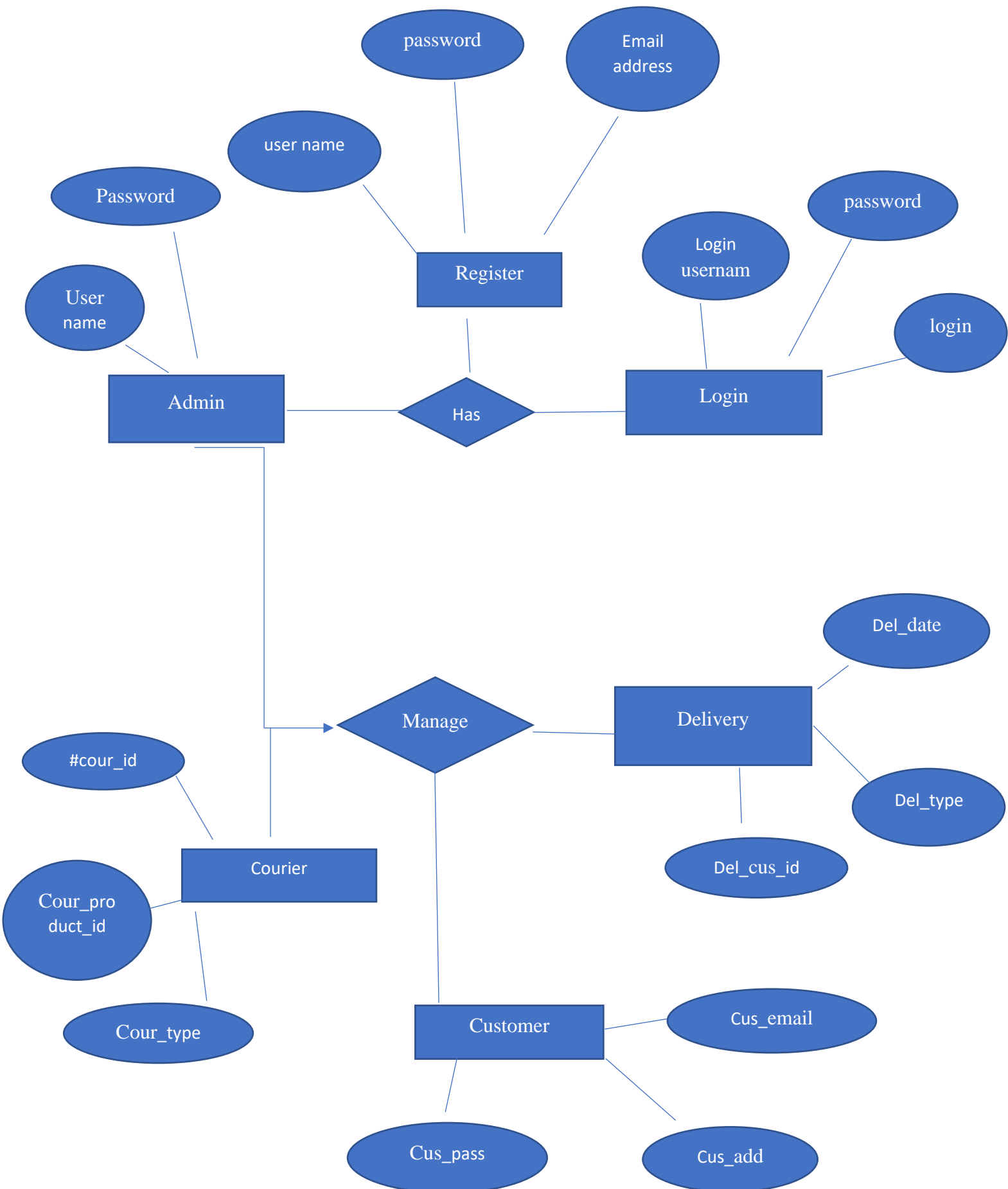
4.3.ClassDiagram

The purpose of class diagram is to model the static view of an application. Class diagrams are the only diagrams which can be directly mapped with object-oriented languages and thus widely used at the time of construction.

Admin class

+admin_id:int
+admin_name:string
+admin_email:string

+adduser()
+edituser()
+deleteuser()
+searchuser()

Customer class

+customer_userid:string
+customer_email_id:string
+customer_password:string

+addcustomer()
+editcustomer()
+deletecustomer()
+searchcustomer()

Permission Class

+permission_id:int
+permission_role_id:int
+permission_title:string
+permission_module:string

+addPermission()
+editPermission()
+deletePermission()
+searchPermission()

Courier class

+courier_id:int
+courier_name:string
+courier_type:string
+courier_product_id:string
+courier_customer_userid:string

+addcourier()
+editcourier()
+deletecourier()
+searchcourier()

Delivery class

+delivery_id:int
+delivery_address_string
+delivery_date:date
+delivery_type:string

+addDelivery ()
+editDelivery()
+deleteDelivery()
+searchDelivery()

4.4.ER Diagram

4.5.Data Flow Diagram

A data flow diagram (DFD) is a graphical model the show all of the main requirement For an information system in a diagram : input and output, process, and data storage. A DFD Describe what data flows rather than how it is processed. Everyone working on a development project can see all aspects of the system working Together at once with DFD. That is one of the reason for its popularity, the DFD is also easy To read because it is graphical model. The DFD is mainly used during problem analysis. End DFD with minimaltraining.
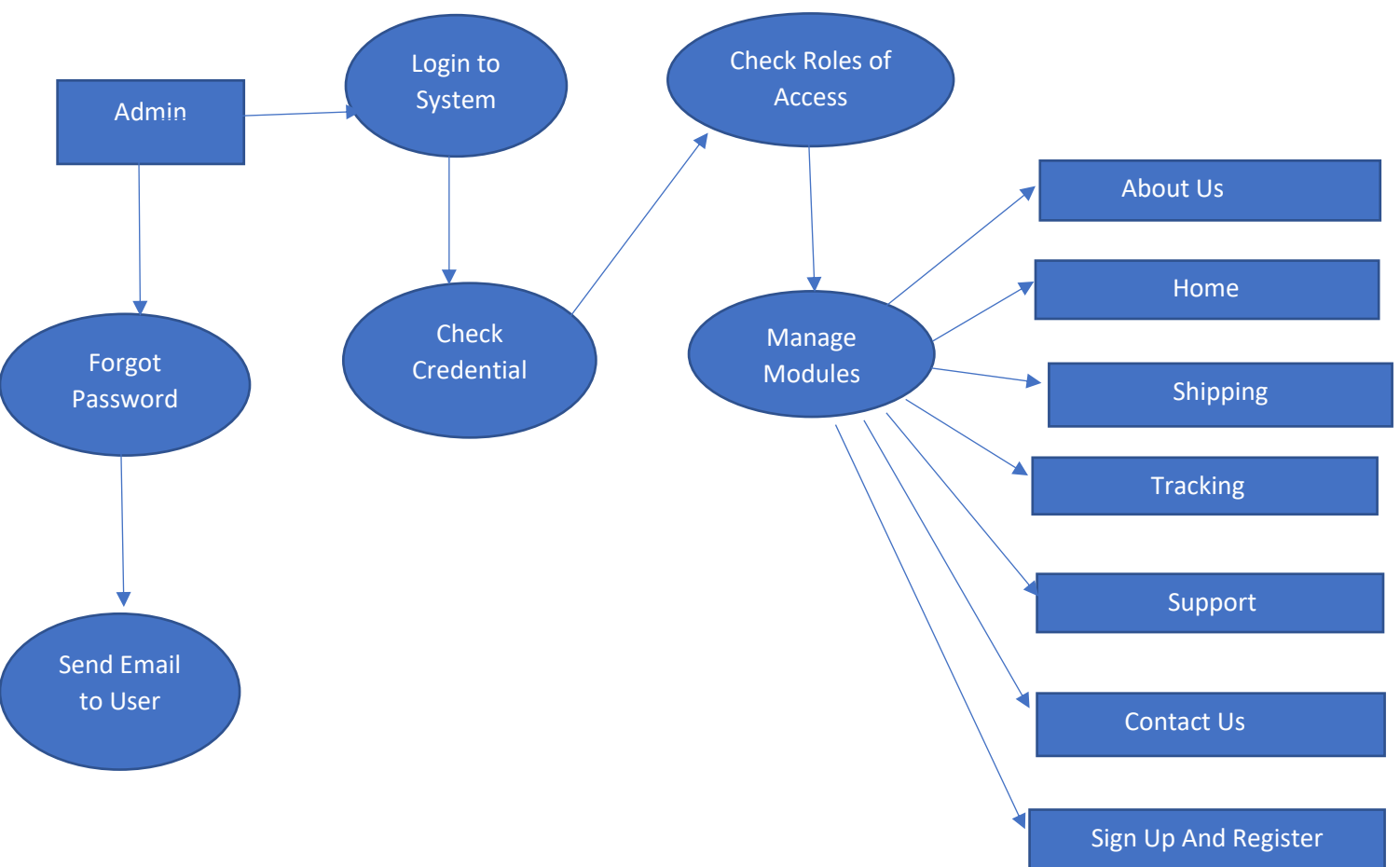
5.IMPLEMENTATION

DESCRIPTION OF MODULES

5.1 Module

In this website I have created the online product to deliver, to track that product to customer. The name of my project is to.

In website I have to include home, about us, shipping etc.….

About FedEx

Home

Shipping

Tracking

Support

Signup and Login

5.2 Front End Design:

In that front end design, I have used HTML, CSS and JavaScript.

5.3:HTML

(Hypertext Markup Language)

HTML stands for Hyper Text Markup Language. It is used to design web pages using a markup language. HTML is the combinationof Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages.

This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

5.4:HTML page structure:

The basic structure of an HTML page is laid out below. Itcontains the essential building-block elements (i.e. doctypedeclaration, HTML, head, title, and body elements) upon which all web pages are created

5.5:CSS

(Cascading Style Sheet)

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

It describes how a webpage should look: it prescribes colors, fonts,spacing, and much more. In short, you can make your website look however you want. CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.

While html uses tags, CSS uses rulesets. CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document.

CSS saves time: You can write CSS once and reuse the same sheet in multiple HTML pages.

Easy Maintenance: To make a global change simply change the style, and all elements in all the webpages will be updatedautomatically

Search Engines: CSS is considered a clean coding technique, which means search engines won't have to struggle to"read" its content.

Superior styles to HTML: CSS has a much wider array ofattributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

Offline Browsing: CSS can store web applications locallywith the help of an offline cache. Using this we can view

offline websites

5.6:JAVASCRIPT

JavaScript is a lightweight, cross-platform, and interpreted compiled programming language which is also known as the scriptinglanguage for webpages. It is well-known for the development of web pages, many non-browser environments also use it. JavaScript can be used for CLIENT-SIDE developments as well as SERVER_SIDE developments.

JavaScript is both imperative and declarative type of language. JavaScript contains a standard library of objects, like array, date and math, and a core set of language elements like operators, control structures, and statements. AngularJS is a JavaScript framework. It can be added to an HTML pagewith a <script> tag.

AngularJS extends HTML attributes with Directives, and binds data toHTML with Expressions. AngularJS is a JavaScript Framework. AngularJS is a JavaScript framework written in JavaScript.

AngularJS is distributed as a JavaScript file, and can be added to a web pagewith a script

tag:<scriptsrc="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"> </script>

AngularJS is a JavaScript framework. It can be added to an HTML pagewith a <script> tag. AngularJS extends HTML attributes with Directives, and binds data to HTML with Expressions. AngularJS Extends HTML. AngularJS extends HTML with ng-directives.

The ng-app directive defines an AngularJS application. The ng-model directive binds the value of HTML controls (input, select,text area) to application data.

6:CODING

6.1:HTML CODE:

Main Page Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Project</title>
    <link rel="stylesheet" href="project.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.2.0/css/fontawesome.min.css">
</head>
<body>
    <section>
        <section class="header">

        <nav>
            <div class="logo"><img src="img/logo.png"></div>
            <div class="navlinks" id="navlinks">
                <i class="fa fa-times"onclick="hidemenu()"></i>

                <ul>
                    <li><a href="about.html">ABOUT FEDEX</a></li>
                    <li><a href="home.html">HOME</a></li>
                    <li><a href="shipping.html">SHIPPING</a></li>
                    <li><a href="tracking.html">TRACKING</a></li>
                    <li><a href="support.html">SUPPORT</a></li>
                    <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
                </ul>
            </div>
            <i class="fa fa-bars" onclick="showmenu()"></i>

        </nav>
        <div class="textbox">
            <h1>Tracking</h1>
            <p>Our tracking tools give you control over your shipments,by helping you stay informed so you can ship with confidence.</p>
```

```html
                <a href="https://www.fedex.com/en-in/home.html" class="btn">Visit Us</a>
            </div>
        </section>


        <!----javascript--->
        <script>
            var navlinks=document.getElementById("navlinks");
            function showmenu(){
                navlinks.style.right="0";
            }
            function hidemenu(){
                navlinks.style.right="-200px";


            }
        </script>
    </body>

</html>
```

About Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About</title>
    <link rel="stylesheet" href="project.css">
            <link     rel="stylesheet"     href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.0/css/all.min.css">
        <link  rel="stylesheet"  href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-
free@6.2.0/css/fontawesome.min.css">
</head>
<body>
    <section>
        <section class="header1">


        <nav>
            <div class="logo"><img src="img/logo.png"></div>
            <div class="navlinks" id="navlinks">
                <i class="fa fa-times"onclick="hidemenu()"></i>

                <ul>
```

```html
            <li><a href="about.html">ABOUT FEDEX</a></li>
            <li><a href="home.html">HOME</a></li>
            <li><a href="shipping.html">SHIPPING</a></li>
            <li><a href="tracking.html">TRACKING</a></li>
            <li><a href="support.html">SUPPORT</a></li>
            <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
          </ul>
        </div>
        <i class="fa fa-bars" onclick="showmenu()"></i>
        <div class="text">

         <h1>About FedEx</h1>
        </div>
      </nav>

  </section>
  <section class="about">
    <h1>Our solutions connect people and possibilities.</h1>
    <p>Connecting people with goods, services and ideas creates opportunities and improves
lives. At FedEx, we believe that a connected world is a better world, and that belief guides
everything we do.</p>
    <div class="row">
     <div class="about-col">
        <img src="img/about2.jpg">
        <div class="layer">
          <h2>FedEx history in MEISA</h2>
          <p1>Find out more about the FedEx Middle East,<br> Indian Subcontinent & Africa
Division.<br></p1>
          <a href="" class="btn red_btn ">LEARN MORE</a>
        </div>

    </div>
      <div class="about-col">
        <img src="img/about3.jpg">
        <div class="layer">
          <h2>FedEx Facts</h2>
           <p1>Everything you always wanted to know about FedEx- from<br> its aircraft
and vehicle fleet to package volume and<br> number of employees.</p1>
          <br>
          <a href="" class="btn red_btn ">GAIN INSIGHT</a>
        </div>
     </div>
    </div>
    <div class="row">
```

```html
        <div class="abouta-col">
          <img src="img/about4.jpg">
          <div class="layer">
            <h2>Global Newsroom</h2>
            <p1>The latest local market and corporate<br> press releases are available for<br>
viewing.<br></p1>
            <a href="" class="btn red_btn ">LEARN MORE</a>
          </div>
        </div>
          <div class="abouta-col">
            <img src="img/about5.jpg">
            <div class="layer">
              <h2>Environmental, Social & Governance Report</h2>
                <p1>The FedEx 2021 ESG report discusses our <br>Environmental, Social &
Governance strategies, goals, and programs for each <br>of our operating companies and all
geographies in fiscal year 2020.<br></p1>
                <a href="" class="btn red_btn ">LEARN MORE</a>
            </div>
        </div>
        <div class="abouta-col">
          <img src="img/about6.jpg">
          <div class="layer">
            <h2>Sustainability</h2>
            <p1>FedEx is committed to providing global connections while <br>minimizing our
environmental impact.<br></p1>
            <a href="" class="btn red_btn ">SEE HOW WE CONTRIBUTE</a>
          </div>
        </div>
      </div>
      </div>
      </section>


      <!----javascript--->
      <script>
        var navlinks=document.getElementById("navlinks");
        function showmenu(){
          navlinks.style.right="0";
        }
        function hidemenu(){
          navlinks.style.right="-200px";


        }
      </script>
</body>
```

```html
</html>
Home Code:

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Home</title>
    <link rel="stylesheet" href="project.css">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.2.0/css/fontawesome.min.css">
</head>
<body>
    <section class="header2">

        <nav>
            <div class="logo"><img src="img/logo.png"></div>
            <div class="navlinks" id="navlinks">
                <i class="fa fa-times"onclick="hidemenu()"></i>

                <ul>
                    <li><a href="about.html">ABOUT FEDEX</a></li>
                    <li><a href="home.html">HOME</a></li>
                    <li><a href="shipping.html">SHIPPING</a></li>
                    <li><a href="tracking.html">TRACKING</a></li>
                    <li><a href="support.html">SUPPORT</a></li>
                    <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
                </ul>
            </div>
            <i class="fa fa-bars" onclick="showmenu()"></i>
            <div class="text">

             <h1>Home</h1>
            </div>

        </nav>
    </section>
</section>
<section class="home">
```

```html
<div class="row">
  <div class="homea-col">
    <img src="img/h1.jpg">

  </div>
  <div class="homea-col">
   <div class="layera">
        <h3>Take your business to Europe, Asia Pacific and the Middle East, with our expertise</h3>
      <a href="" class="btn red_btn">Explore More</a>

   </div>
   </div>
</div>
 <div class="row">

  <div class="homea-col">
  <div class="layera">
    <h1>Recognize & Report Fraud</h1>
    <p1>Common Warning Signs of Mail, Text or Online Scams and what to do if you receive such communications.<br></p1>
    <a href="" class="btn red_btn">LEARN MORE</a>
  </div>
  </div>

  <div class="homea-col">
    <img src="img/h2.jpg">

  </div>

</div>
  <h1>When you and your customers need it most</h1>
  <p1>Global efforts to stop the spread of COVID-19 have changed the world—and the way you do business—overnight. <br>We're here to help your business deliver when you and your customers need it most. </p1>

  <div class="row">
    <div class="home-col">
      <img src="img/h3.jpg" >
      <div class="layer">
        <h2>New to FedEx?</h2>
        <p1>Our New Customer Center guides<br> you through all the necessary steps<br> when shipping with FedEx.<br></p1>
        <a href="" class="btn red_btn">LET US HELP</a>
```

```html
                </div>
            </div>
                <div class="home-col">
                    <img src="img/h0.jpg">
                    <div class="layer">
                        <h2>Simplify your Import Logistics</h2>
                        <p1>Comprehensive shipping solutions that help you<br> focus on growing your
business while <br>we manage your logistics and clearance.<br></p1>
                            <a href="" class="btn red_btn">FIND OUT MORE</a>
                    </div>
            </div>
            <div class="home-col">
                <img src="img/h5.jpeg">
                <div class="layer">
                    <h2>FedEx International Priority Express®</h2>
                    <p1>More delivery time options are available for your international shipments from
January 3, 2022.</p1>
                        <a href="" class="btn red_btn">LEARN MORE</a>
                </div>
        </div>

</div>
<div class="row">
    <div class="home-col">
        <img src="img/h7.jpeg">
        <div class="layer">
            <h2>Start shipping with FedEx</h2>
                <p1>Explore   our   services   and   solutions   for<br>  business   and   personal
shippers.<br></p1>
                <a href="" class="btn red_btn">GET STARTED</a>

        </div>
    </div>
    <div class="home-col">
        <img src="img/h8.jpeg">
        <div class="layer">
            <h2>Make delivery more rewarding</h2>
            <p1>Keep earning My FedEx Rewards points<br> from your shipments and unlock a
world <br>of  our  expanded  range  of  rewards.<br>  It  has  never  been  easier  to  be
rewarded.<br></p1>
                <a href="" class="btn red_btn">FIND OUT MORE</a>
        </div>
    </div>
    <div class="home-col">
```

```html
    <img src="img/h6.jpg">
    <div class="layer">
      <h2>Customs Made Easier</h2>
            <p1>Learn about all the tools FedEx has to offer<br> for shipping across borders.Prepare and find <br> international documents, estimate duties<br> and taxes, search country profiles,<br> harmonized codes and much more. </p1>
         <a href="" class="btn red_btn">SEE SOLUTIONS</a>
      </div>
   </div>
</div>
<div class="row">
<div class="homea-col">
   <img src="img/h9.jpg">
   </div>

   <div class="homea-col">
     <div class="home">
   <h1>FedEx India News</h1>
   <p1>COVID-19 News<br>
     See our Peak Surcharge here.<br>

      Stay connected with our latest service updates,<br> regulatory changes and other important notifications.<br></p1>
   <a href="">Prohibition on Import of products made of single-use plastic in India | Posted on Jul 1, 2022<br></a>
   <a href="">Expanded billing options for clearance services incurred overseas | Posted on June 23, 2022<br></a>
   <a href="">Operational and delivery changes due to temporary Dubai Airport runway closure | Posted on April 27, 2022<br></a>
   <a href="">Ukraine, Russia, and Belarus Service Suspension | Posted on March 11 , 2022<br></a>

   </div>
</div>

</div>
</div>
</body>
</html>
```

Sign Up and Login

```html
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Lpgin</title>
<link rel="stylesheet" href="project.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.0/css/all.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-
free@6.2.0/css/fontawesome.min.css">
<link rel="stylesheet" href="https://fontawesome.com/icons?d=gallery">
</head>
<body>
    <section class="header6">


        <nav>
            <div class="logo"><img src="img/logo.png"></div>
            <div class="navlinks" id="navlinks">
                <i class="fa fa-times"onclick="hidemenu()"></i>


                <ul>
                    <li><a href="about.html">ABOUT FEDEX</a></li>
                    <li><a href="home.html">HOME</a></li>
                    <li><a href="shipping.html">SHIPPING</a></li>
                    <li><a href="tracking.html">TRACKING</a></li>
                    <li><a href="support.html">SUPPORT</a></li>
                    <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
                </ul>
            </div>
            <i class="fa fa-bars" onclick="showmenu()"></i>

        </nav>


        <div class="form-box">


            <div class="button-box">


                <div id="btn"></div>
                <button type="button" class="toggle-btn" onclick="login()">Log In</button>
                                        <button type="button" class="toggle-
btn"onclick="register()">Register</button>
            </div>
            <form id="login" class="input">
                <input type="text" class="input-field" placeholder="User Id" required>
```

```html
        <input type="text" class="input-field" placeholder="Enter Password" required>
        <input type="checkbox" class="checkbox"><span>Remember Password</span>
        <button type="submit" class="submit-btn">Login</button>

    </form>

    <form id ="register" class="input">
        <input type="text" class="input-field" placeholder="User Id" required>
        <input type="email" class="input-field" placeholder="Email Id" required>
        <input type="text" class="input-field" placeholder="Enter Password" required>
        <input type="checkbox" class="checkbox"><span>I agree all terms and
conditions</span>
        <button type="submit" class="submit-btn">Register</button>

    </form>
    <div class="icon">
        <a href="#"><i class="fa-brands fa-facebook"></i></a>
        <a href="#"><i class="fa-brands fa-google"></i></a>
        <a href="#"><i class="fa-brands fa-linkedin"></i></a>
        <a href="#"><i class="fa-brands fa-square-twitter"></i></a>
        <a href="#"><i class="fa-brands fa-square-instagram"></i></a>
    </div>

    </div>

</section>


<!----javascript--->
<script>
    var navlinks=document.getElementById("navlinks");
    function showmenu(){
        navlinks.style.right="0";
    }
    function hidemenu(){
        navlinks.style.right="-200px";

    }
    var x=document.getElementById("login");
    var y=document.getElementById("register");
    var z=document.getElementById("btn");
    function register(){
        x.style.left="-400px";
        y.style.left="50px";
```

```
                z.style.left="110px";
        }
        function login(){
            x.style.left="5px";
            y.style.left="450px";
            z.style.left="0px";
        }
    </script>
</body>

</html>
```
Shipping Page Code:
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Project</title>
    <link rel="stylesheet" href="project.css">
            <link    rel="stylesheet"    href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.0/css/all.min.css">
        <link  rel="stylesheet"  href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-
free@6.2.0/css/fontawesome.min.css">
</head>
<body>
    <section>
        <section class="header3">

            <nav>
                <div class="logo"><img src="img/logo.png"></div>
                <div class="navlinks" id="navlinks">
                    <i class="fa fa-times"onclick="hidemenu()"></i>

                    <ul>
                        <li><a href="about.html">ABOUT FEDEX</a></li>
                        <li><a href="home.html">HOME</a></li>
                        <li><a href="shipping.html">SHIPPING</a></li>
                        <li><a href="tracking.html">TRACKING</a></li>
                        <li><a href="support.html">SUPPORT</a></li>
                        <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
                    </ul>
                </div>
                <i class="fa fa-bars" onclick="showmenu()"></i>
```

```html
        </nav>
        <div class="textb">
          <h1>Discover our shipping tools</h1>
          <p>Solutions built to support your business.</p>

        </div>
    </section>

    <section>
      <div class="ship">
        <h1>Easy, speedy online shipping tools</h1>
        <div class="row">
          <div class="ship-col">
            <img src="img/ship2.jpg">
            </div>
            <div class="ship-col">
              <h2>FedEx history in MEISA</h2>
              <p1>Find out more about the FedEx Middle East,<br> Indian Subcontinent &
Africa Division.<br></p1>
              <a href="" class="btn red_btn ">LEARN MORE</a>


          </div>
      </div>
    </section>
    <!----javascript--->
    <script>
      var navlinks=document.getElementById("navlinks");
      function showmenu(){
        navlinks.style.right="0";
      }
      function hidemenu(){
        navlinks.style.right="-200px";

      }
    </script>
</body>

</html>
```
Support page code:
```html
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Project</title>
<link rel="stylesheet" href="project.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.2.0/css/fontawesome.min.css">
</head>
<body>
  <section>
    <section class="header5">

      <nav>
        <div class="logo"><img src="img/logo.png"></div>
        <div class="navlinks" id="navlinks">
          <i class="fa fa-times"onclick="hidemenu()"></i>

          <ul>
            <li><a href="about.html">ABOUT FEDEX</a></li>
            <li><a href="home.html">HOME</a></li>
            <li><a href="shipping.html">SHIPPING</a></li>
            <li><a href="tracking.html">TRACKING</a></li>
            <li><a href="support.html">SUPPORT</a></li>
            <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
          </ul>
        </div>
        <i class="fa fa-bars" onclick="showmenu()"></i>

      </nav>
      <div class="textbox">
        <h1>Customer Support</h1>

      </div>
    </section>
    <section class="support">
      <p>How can we help you?</p>
      <div class="row">
        <div class="track-col">
          <img src="img/tracking5.jpg" >
          <div class="layer">
            <h2>I have a question about receiving a package</h2>
```

```html
                                                                        <a
href="https://play.google.com/store/apps/details?id=com.fedex.ida.android&hl=en_IN&gl=U
S" class="btn red_btn">GO TO RECIEPENT SUPPORT</a>
                </div>
            </div>
                <div class="track-col">
                    <i class="fa-light fa-truck-fast"></i>
                    <div class="layer">
                        <h2>I have a question about sending a package </h2>
                        <a href="" class="btn red_btn">GO TO SENDER SUPPORT</a>
                    </div>
            </div>
            <div class="track-col">
                <i class="fa-regular fa-circle-question"></i>
                <div class="layer">
                    <h2>I have a question about something else</h2>
                 <a href="loginpage.html" class="btn red_btn">GO TO GENERAL SUPPORT</a>
                </div>
        </div>

    </section>


    <!----javascript--->
    <script>
        var navlinks=document.getElementById("navlinks");
        function showmenu(){
            navlinks.style.right="0";
        }
        function hidemenu(){
            navlinks.style.right="-200px";

        }
    </script>
</body>

</html>
Tracking Page code:
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Project</title>
<link rel="stylesheet" href="project.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.2.0/css/fontawesome.min.css">
</head>
<body>
  <section>
    <section class="header4">

      <nav>
        <div class="logo"><img src="img/logo.png"></div>
        <div class="navlinks" id="navlinks">
          <i class="fa fa-times"onclick="hidemenu()"></i>

          <ul>
            <li><a href="about.html">ABOUT FEDEX</a></li>
            <li><a href="home.html">HOME</a></li>
            <li><a href="shipping.html">SHIPPING</a></li>
            <li><a href="tracking.html">TRACKING</a></li>
            <li><a href="support.html">SUPPORT</a></li>
            <li><a href="loginpage.html">SIGN UP & LOGIN</a></li>
          </ul>
        </div>
        <i class="fa fa-bars" onclick="showmenu()"></i>

      </nav>
      <div class="textb">
        <h1>Tracking starts here</h1>
          <p>Track all of your FedEx® shipments <br>with one of  the convenient tools below.<br> Want more visibility of deliveries to your home?<br> Sign up for FedEx Delivery Manager® for free.<br><a href="">SIGN UP FOR FREE</a></p>

      </div>
  </section>
  <section class="track">
    <div class="row">
      <div class="tracka-col">
        <div class="layera">
          <h2>Bring on the benefits</h2>
            <p>Sign up for FedEx Delivery Manager and take more control<br> of deliveries. Get tracking notifications, provide delivery <br>instructions and requests, and more. Plus, you'll be eligible<br> for a free ShopRunner® membership and all the perks that <br>come
```

with it. Download the FedEx® Mobile app for
 convenient delivery management on your phone.</p>
            GET FEDEX MANAGER FOR FREE
        </div>

    </div>
    <div class="tracka-col">
        <img src="img/tracking1.jpg">
    </div>
</div>
<div class="row">
    <div class="trackab-col">
        <img src="img/tracking2.webp">
    </div>
    <div class="trackab-col">
        <div class="layera">
            <h2>Stay organized this holiday season</h2>
            <p2>Take advantage of flexible tools to manage your shipments. From tracking packages to redirecting a delivery, our holiday guide has you covered.</p2>
            GET THE GUIDE
        </div>

    </div>

</div>
<div class="row">
    <div class="tracka-col">
        <img src="img/tracking3.jpg">
    </div>
    <div class="tracka-col">
        <div class="layera">
            <h2>Guide for tracking and managing your deliveries</h2>
            <p>Not sure what the tracking status means or have questions
 about your expected package? Learn how to track, manage,
 and return your home deliveries with this helpful guide.</p>
                UNDERSTANDING TRACKING TERMINOLOGY
        </div>

    </div>

</div>
<div class="row">
    <div class="trackab-col">

```html
            <img src="img/tracking4.webp">
          </div>
          <div class="trackab-col">
            <div class="layera">
              <h2>Get help with missing packages</h2>
              <p2>Discovering that your package went missing is frustrating. We can help with a straightforward claim service.<br></p2>
              <a href="" class="btn red_btn">FILE A CLAIM</a>
            </div>

          </div>

        </div>
        <h1>Additional shipping resources</h1>
        <p1>Whether it's for your personal shipments or your business, we have the tools to make every delivery a little easier</p1>
        <div class="row">
          <div class="track-col">
            <img src="img/tracking5.jpg" >
            <div class="layer">
              <h2>Get the mobile app</h2>
              <p1>Stay up to date on your shipments,<br> create new shipments, customize deliveries, <br>and more, all from the FedEx Mobile app<br></p1>
              <a href="https://play.google.com/store/apps/details?id=com.fedex.ida.android&hl=en_IN&gl=US" class="btn red_btn">DOWNLOAD NOW</a>
            </div>
          </div>
            <div class="track-col">
              <img src="img/tracking6.jpg">
              <div class="layer">
                <h2>Ship with confidence </h2>
                <p1>Whatever you're shipping, send it with the<br> convenience and care of affordable,<br> fast FedEx Ground.<br></p1>
                <a href="" class="btn red_btn">GET STARTED</a>
              </div>
          </div>
          <div class="track-col">
            <img src="img/tracking7.jpg">
            <div class="layer">
              <h2>Earn $10 with My FedEx Rewards</h2>
              <p1>Receive a $10 gift card when you open an<br> account, sign up for My FedEx Rewards,<br> and ship. Terms and conditions apply.</p1>
              <a href="loginpage.html" class="btn red_btn">SIGN UP NOW</a>
```

```html
            </div>
        </div>

    </section>

    <!----javascript--->
    <script>
        var navlinks=document.getElementById("navlinks");
        function showmenu(){
            navlinks.style.right="0";
        }
        function hidemenu(){
            navlinks.style.right="-200px";


        }
    </script>
</body>

</html>
```

6.2:CSS CODE

```css
*{
    margin: 0;
    padding: 0;
}
.header{
    min-height: 100vh;
    width: 100%;

                                        background-image:                linear-
gradient(rgba(4,9,30,0.3),rgba(4,9,30,0.6)),url(img/backgroundimage.jpeg);
    background-position: center;
    background-size: cover;
    position: relative;
}
nav{
```

```css
    display: flex;

    padding: 2% 6%;

    justify-content: space-between;

    align-items: center;

}


nav .logo{

    float: left;

    color: orangered;

    font-size: 27px;

    font-weight: 600;

    line-height: 70px;

    padding-left: 60px;

}
.navlinks{
flex: 1;
text-align: right;
}
.navlinks ul li{

    list-style: none;

    display: inline-block;

    padding: 8px 12px;

    position: relative;

}
.navlinks ul li a{

    color: #fff;

    text-decoration: none;

    font-size: 13px;

}
```

```css
.navlinks ul li::after{
    content: '';
    width: 0%;
    height: 2px;
    background: #f44336;
    display: block;
    margin: auto;
    transition: 0.5s;

}
.navlinks ul li:hover::after{
    width: 100%;

}
.textbox{
    width: 90%;
    color: #fff;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    text-align: center;
}
.textbox h1{
    font-size: 62px;
}
.textbox p{
    margin: 10px 0 40px;
    font-size: 25px;
```

```css
        color: #fff;
    }
.btn{
        display: inline-block;
        text-decoration: none;
        color: #fff;
        border: 1px solid #fff;
        padding: 12px 34px;
        font-size: 13px;
        background: transparent;
        position: relative;
        cursor: pointer;
    }
.btn:hover{
        border: 1px solid #f44336;
        background: #f44336;
        transition: 1s;
    }
.nav .fa{
        display: none;
    }
@media(max-width:700px){
        .textbox h1{
            font-size: 20px;
        }
        .navlinks ul li{
            display: block;
        }
        .navlinks{
```

```css
        position: absolute;

        background: #f44336;

        height: 100vh;

        width: 200px;

        top: 0;

        right: -200px;

        text-align: left;

        z-index: 2;

        transition: 1s;


    }
    nav .fa{

        display: block;

        color: #fff;

        margin: 10px;

        font-size: 22px;

        cursor: pointer;

    }
    .navlinks ul{

        padding: 30px;


    }
}
/*-----About---*/
.header1{

    min-height: 50vh;

    width: 100%;

    background-image: linear-gradient(rgba(4,9,30,0.3),rgba(4,9,30,0.6)),url(img/about1.jpg);

    background-position: center;
```

```css
        background-size:cover;

        position: relative;

    }

    .text{

        width: 90%;

        color: #fff;

        position: absolute;

        top: 50%;

        left: 50%;

        transform: translate(-50%,-50%);

        text-align: center;

    }

    .text h1{

        font-size: 62px;


    }


    .about{

        width: 80%;

        margin: auto;

        text-align: center;

        padding: 50px;

    }

    .about-col{

        flex-basis: 45;

        border-radius: 10px;

        margin-bottom: 30px;

        position: relative;

        overflow: hidden;
```

```css
}
.about-col img{
    width: 75%;
}
.about-col p{
    padding: 20px;
    font-size: 30px;
    font-weight: 100;
}

h1{
    padding-top: 5px;
    font-size: 36px;
    font-weight: 600;
}
p{
    padding: 20px;
    font-size: 20px;
    font-weight: 100;
}
.row{
    margin-top: 5%;
    display:flex;
    justify-content: space-between;
}
.red_btn{
    border: 1px solid blue;
    background: transparent;
```

```css
    color: blue;

    border-radius: 20px;

}

.red_btn:hover{

    color: #fff;

}

.abouta-col{

    flex-basis: 45;

    border-radius: 10px;

    margin-bottom: 30px;

    position: relative;

    overflow: hidden;


}

.abouta-col img{

    width: 75%;



}

.abouta-col p{

    padding: 20px;

    font-size: 30px;

    font-weight: 100;

}


@media(max-width:700px){

    .row{

        flex-direction: column;

    }
```

```css
}

/*-----Home----*/
a{
    font-size: 25px;
}

.header2{
    min-height: 50vh;
    width: 100%;
    background-image: linear-gradient(rgba(4,9,30,0.3),rgba(4,9,30,0.6)),url(img/home.jpeg);
    background-position: center;
    background-size:cover;
    position: relative;
}
.header2{
    margin-top: 0px;

}
.homea-col{
    flex-basis: 48%;
    padding: 30px 2px;

}
.homea-col img{
    width: 100%;


}
```

```css
.homea-col p{
    padding: 15px 0 25px;


}
.homea-col h1{
    padding-top: 0;


}


.home{
    width: 80%;
    margin: auto;
    text-align: center;
    padding: 50px;
}
.home-col{
    flex-basis: 32%;
    border-radius: 10px;
    margin-bottom: 30px;
    position: relative;
    overflow: hidden;


}
.home-col img{
    width: 100%;
}
.home h1{
    padding-top: 5px;
    font-size: 36px;
```

```css
        font-weight: 600;

    }

    .home p{

        padding: 20px;

        font-size: 20px;

        font-weight: 100;

    }

    @media(max-width:700px){

        .row{

            flex-direction: column;

        }

    }

    /*---Shipping---*/

    .header3{

        min-height: 50vh;

        width: 100%;

        height: 100%;

        background-image: linear-gradient(rgba(4,9,30,0.3),rgba(4,9,30,0.6)),url(img/ship1.jpg);

        background-position: center;

        background-size:cover;

        position: relative;

    }

    .header3{

        margin-top: 0px;

    }

    .textb{

        width: 90%;

        color: #fff;

        position: absolute;
```

```css
        top: 70%;

        left: 25%;

        transform: translate(-50%,-50%);

        text-align: center;

    }
    .textb h1{

        font-size: 62px;

    }
    .textb p{

        margin: 10px 0 40px;

        font-size: 25px;

        color: #fff;

    }
    .ship{

        width: 80%;

        margin: auto;

        padding-top: 80px;

        padding-bottom: 50px;


    }
    .ship-col{

        flex-basis: 48;

        padding: 30px 2px;


    }
    .ship-col img{

        width: 100%;

    }
    .ship h1{
```

```css
    padding-top: 0;

    font-size: 36px;

    font-weight: 600;

}

.ship p{

    padding: 20px;

    font-size: 20px;

    font-weight: 100;

}

@media(max-width:700px){

    .row{

        flex-direction: column;

    }

}

/*----Tracking----*/

.header4{

    min-height: 50vh;

    width: 100%;

    height: 100%;

                                        background-image:                    linear-
gradient(rgba(4,9,30,0.3),rgba(4,9,30,0.6)),url(img/tracking9.jpg);

    background-position: center;

    background-size:cover;

    position: relative;

}

.header4{

    margin-top: 0px;

}

.textb{
```

```css
        width: 90%;

        color: #fff;

        position: absolute;

        top: 70%;

        left: 25%;

        transform: translate(-50%,-50%);

        text-align: center;

    }

    .textb a{

        font-size: 20px;

        color:white;

    }


    .textb h1{

        font-size: 60px;

    }

    .textb p{

        margin: 10px 0 40px;

        font-size: 20px;

        color: #fff;

    }

    .tracka-col{

        flex-basis: 48%;

        padding: 30px 2px;


    }

    .tracka-col img{

        width: 100%;
```

```css
}
.tracka-col p{
    padding: 15px 0 25px;

}
.tracka-col h2{
    padding-top: 0;

}
.trackab-col{
    flex-basis: 100%;
    padding: 10px 2px;

}
.trackab-col img{
    width: 20%;

}
.trackab-col p2{
    padding: 15px 0 25px;
    font-size: 20px;

}
.trackab-col h2{
    padding-top: 0;
    font-size: 25px;
```

```css
}
.track{
    width: 80%;
    margin: auto;
    text-align: center;
    padding: 50px;
}
.track-col{
    flex-basis: 32%;
    border-radius: 10px;
    margin-bottom: 30px;
    position: relative;
    overflow: hidden;


}
.track-col img{
    width: 100%;
}
.track h1{
    padding-top: 5px;
    font-size: 36px;
    font-weight: 600;
}
.track p1{
    padding: 20px;
    font-size: 20px;
    font-weight: 100;
}
@media(max-width:700px){
```

```css
    .row{

        flex-direction: column;

    }

}


/*----Login Form----*/
.header6{

    min-height: 100vh;

    width: 100%;

    height: 100%;

    background-image: linear-gradient(rgba(0,0,0,0.4),rgba(0,0,0,0.4)),url(img/tracking9.jpg);

    background-position:center;

    background-size:cover;

    position: relative;

    font-family: sans-serif;

}


.form-box{


    width: 300px;

    height: 500px;

    position: relative;


    padding: 15px 25px;

    margin: 6% auto;

    overflow: hidden;

    background: transparent;


}
```

```css
.button-box{
    width: 220px;
    margin: 10% auto;
    position: relative;
    box-shadow: 0 0 20px 9px #ff61251f;
    border-radius: 30px;
}
.toggle-btn{
padding: 10px 30px;
cursor: pointer;
background: transparent;
outline: none;
border: 0;
position: relative;
}
#btn{
    top:0;
    left: 0;
    position: absolute;
    width: 110px;
    height: 100%;
    background: linear-gradient(to right,#ff105f,#ffad06);
    border-radius: 30px;
    transition: 0.5s;
}
.input{
    top: 130px;
    position: absolute;
    width: 280px;
```

```css
    transition: 0.5s;
}
.input-field{
    width: 100%;
    padding: 20px 0;
    margin: 5px 0;
    border-top: 0;
    border-left: 0;
    border-right: 0;
    border-bottom: 1px solid #999;
    outline: none;
    background: transparent;
}
.submit-btn{
    width: 100%;
    padding: 10px 30px;
    cursor: pointer;
    display: block;
    margin: auto;
    background: linear-gradient(to right,#ff105f,#ffad06);
    border: 0;
    outline: none;
    border-radius: 30px;

}
.check-box{
    margin: 30px 10px 30px 0;
    padding-top: 10px;
}
```

```css
span{
    color:black;
    font-size: 12px;
    bottom: 68px;
    position: absolute;
    bottom: 40px;
}
#login{
    left: 50px;
}
#register{
    left: 450px;
}
.icon a{
    top:20px;
    text-decoration: none;
    color: white;
    position: center;
}
.icon i{
    color: burlywood;
    font-size: 30px;
    padding-left: 14px;
    padding-top: 5px;
    transition: 0.3s ease;



}
```

```css
.icon i:hover{

    color: orangered;

}

/*----Customer Support----*/
.header5{
    min-height: 50vh;
    width: 100%;
    height: 100%;
    background-image: linear-gradient(rgba(0,0,0,0.4),rgba(0,0,0,0.4)),url(img/support1.jpg);
    background-position:center;
    background-size:cover;
    position: relative;
    font-family: sans-serif;
}
.header5{
    margin-top: 0px;
}
.text{
    width: 100%;
    color: #fff;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    text-align: center;
}
.text h1{
    font-size: 80px;

}
.support{
    width: 80%;
    margin: auto;
    text-align: center;
    padding: 50px;
}

.support-col{
    flex-basis: 48;
    padding: 30px 2px;
```

```css
}
.support-col img{
    width: 100%;
}
.support h1{
    padding-top: 0;
    font-size: 36px;
    font-weight: 600;
}
.support p{
    padding: 20px;
    font-size: 20px;
    font-weight: 100;
}
@media(max-width:700px){
    .row{
        flex-direction: column;
    }
}
```

6.3:SYSTEM OUTPUT:

About us

In About Us Connecting people with goods, services and ideas creates opportunities and improves lives. At FedEx, we believe that a connected world is a better world, and that belief guides everything we do.
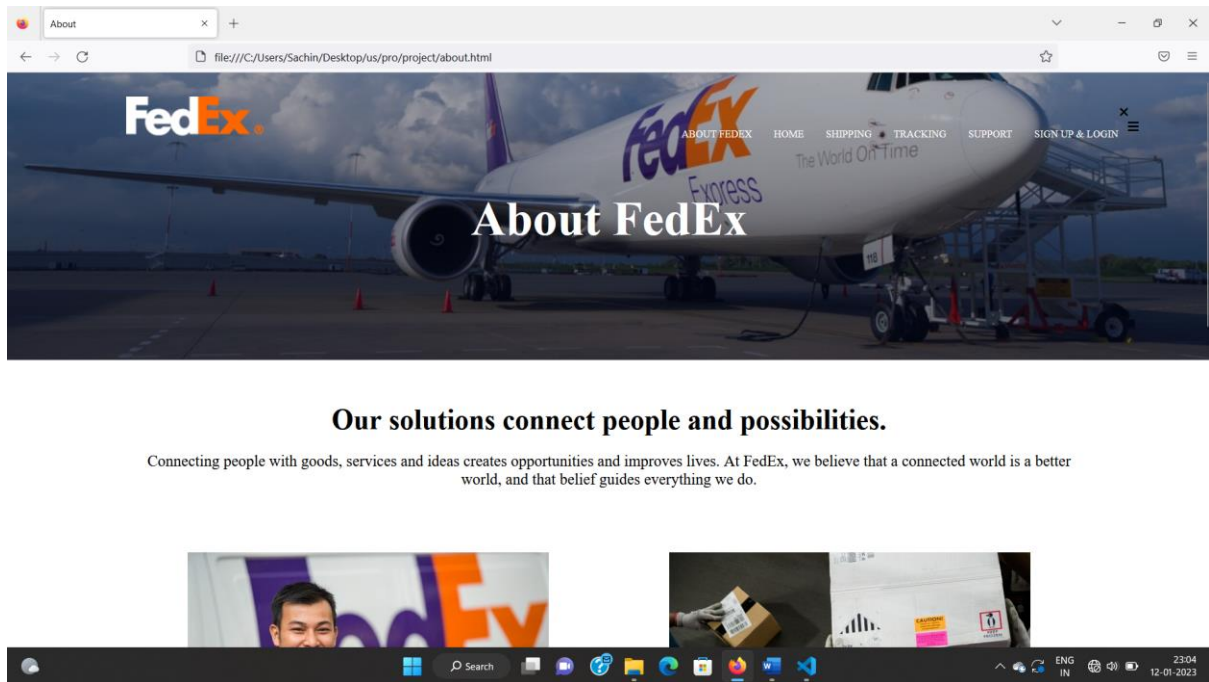
Figure 1.1 About FedEx page
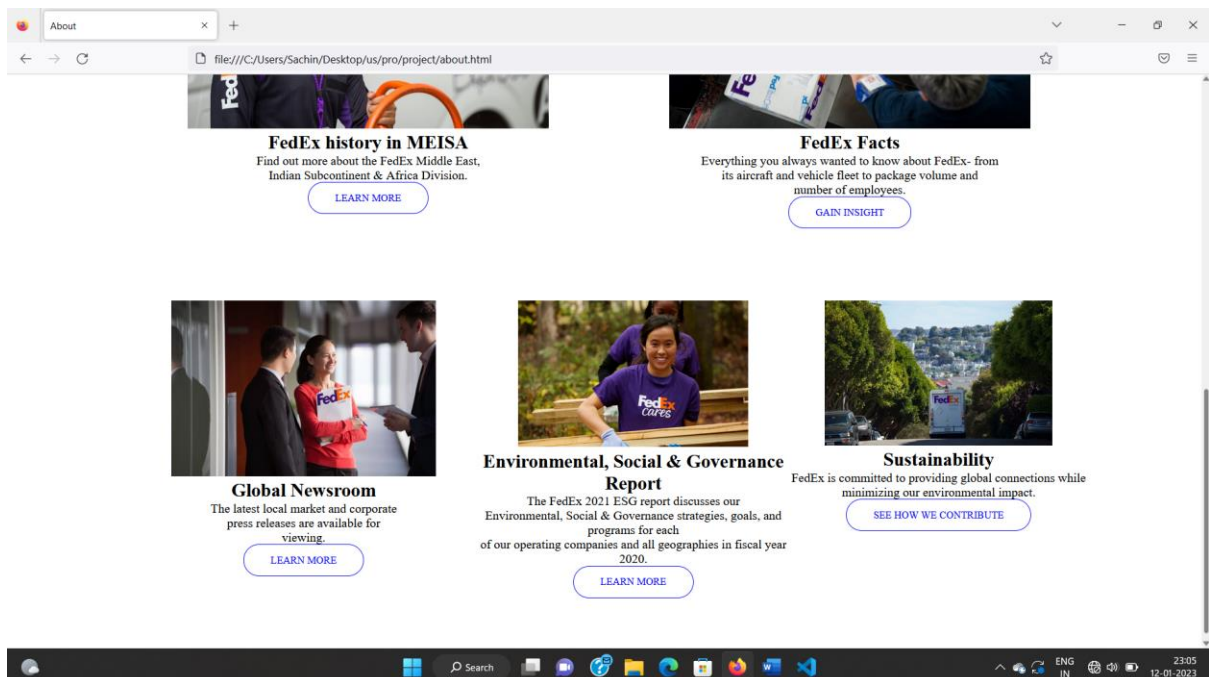
Figure 1.2 About FedEx page

Home

In Home We provide information about how the FedEx recognise and report fraud users. First we provide Common Warning Signs of Mail, Text or Online Scams and what to do if you receive such communications.
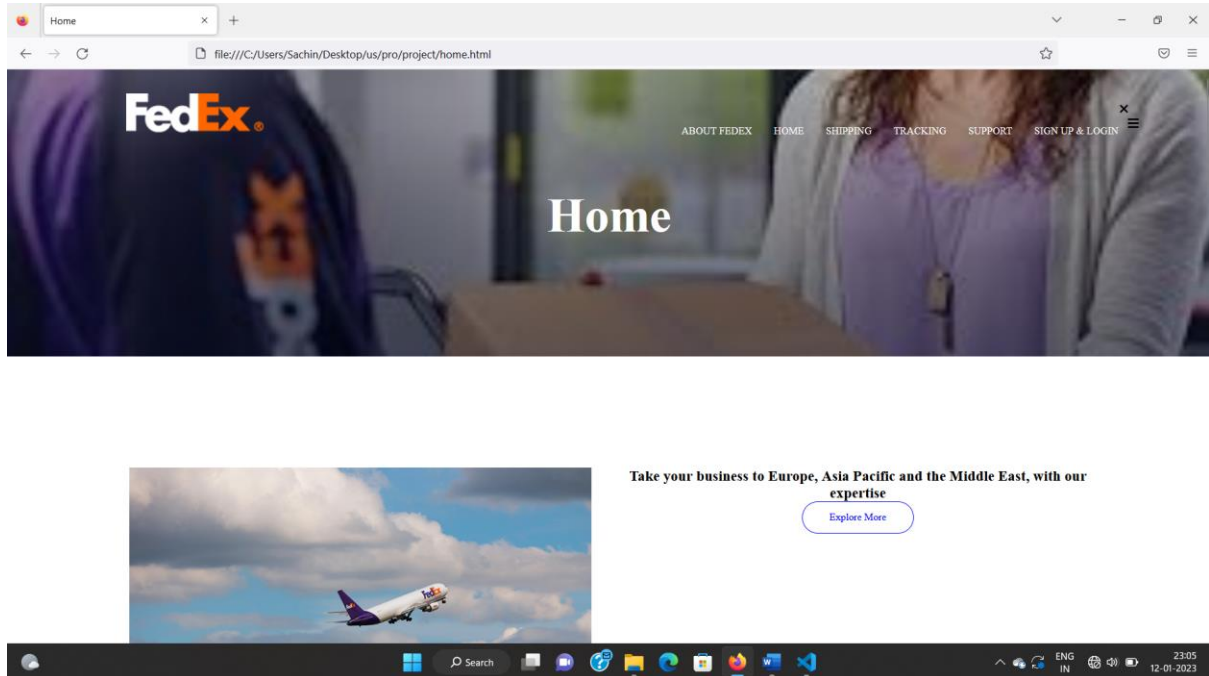
Figure 2.1 Home Page
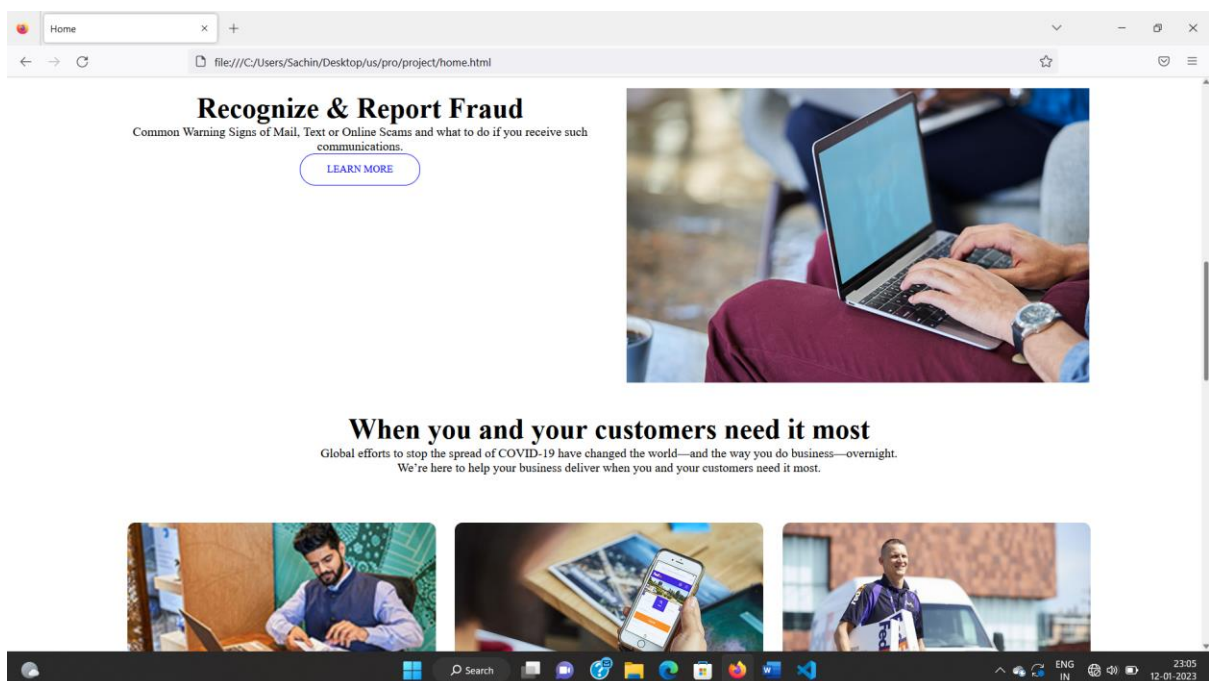
Figure 2.2 Home Page
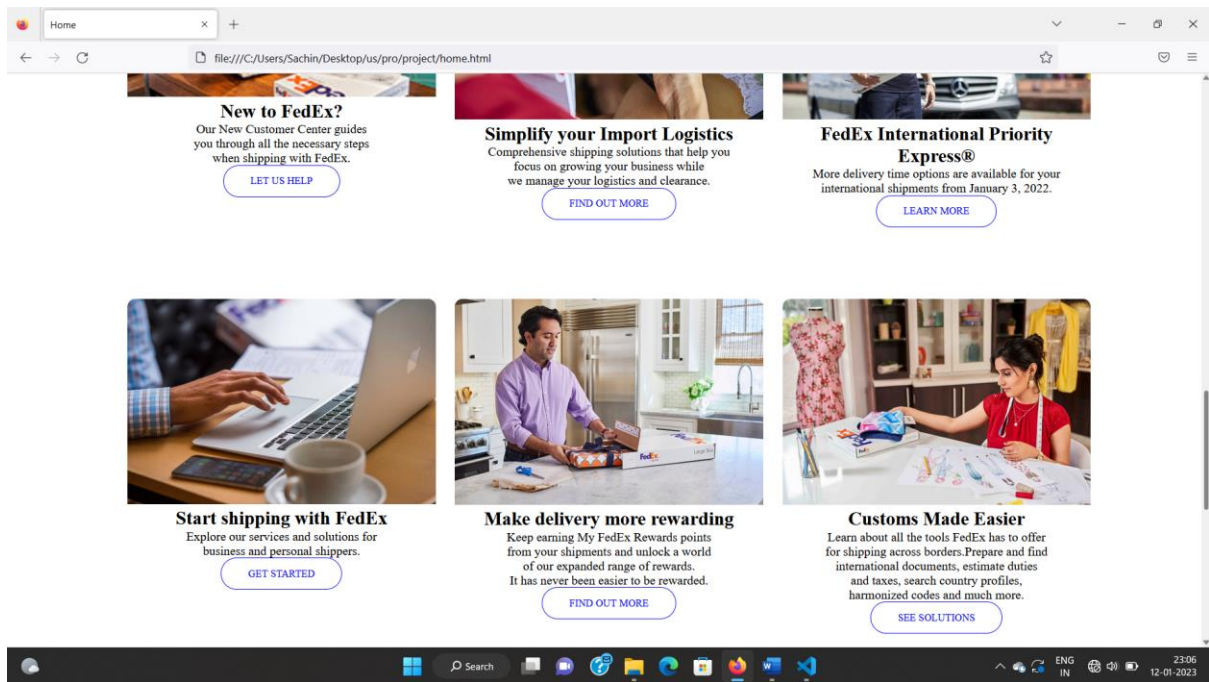
Figure 2.3 Home Page
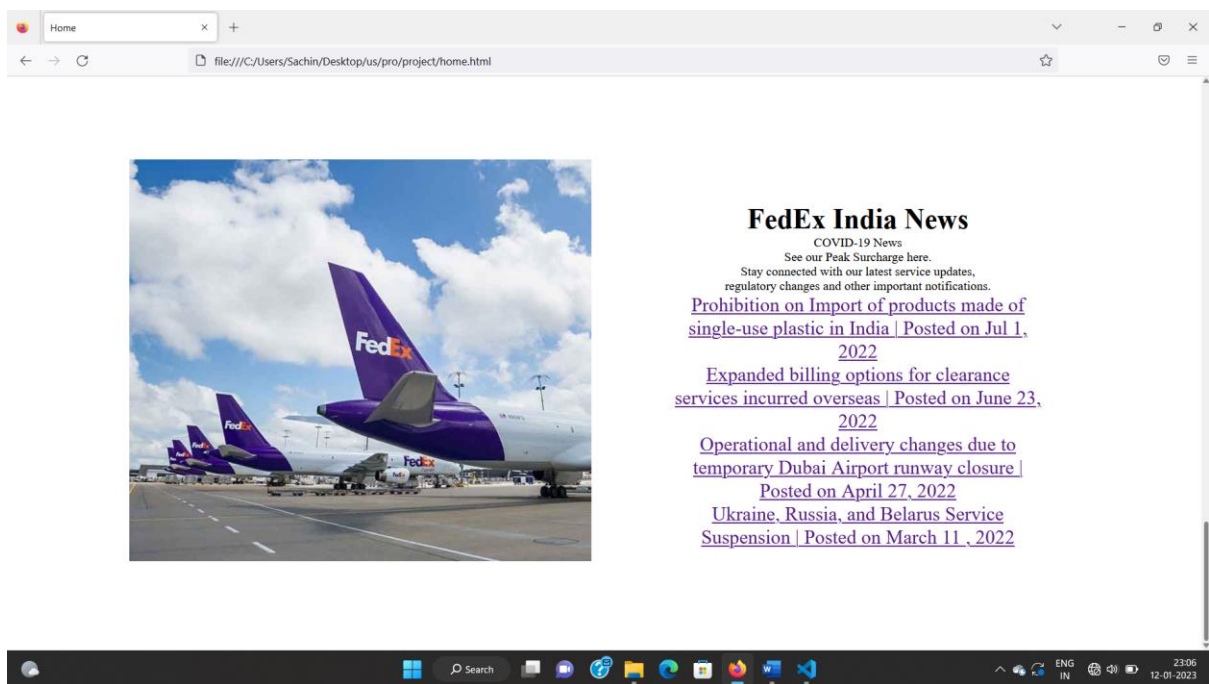
Figure 2.4 Home page

Shipping

In Shipping We provide the information about shipping tools available on website. We mostly focus on safe shipping courier.
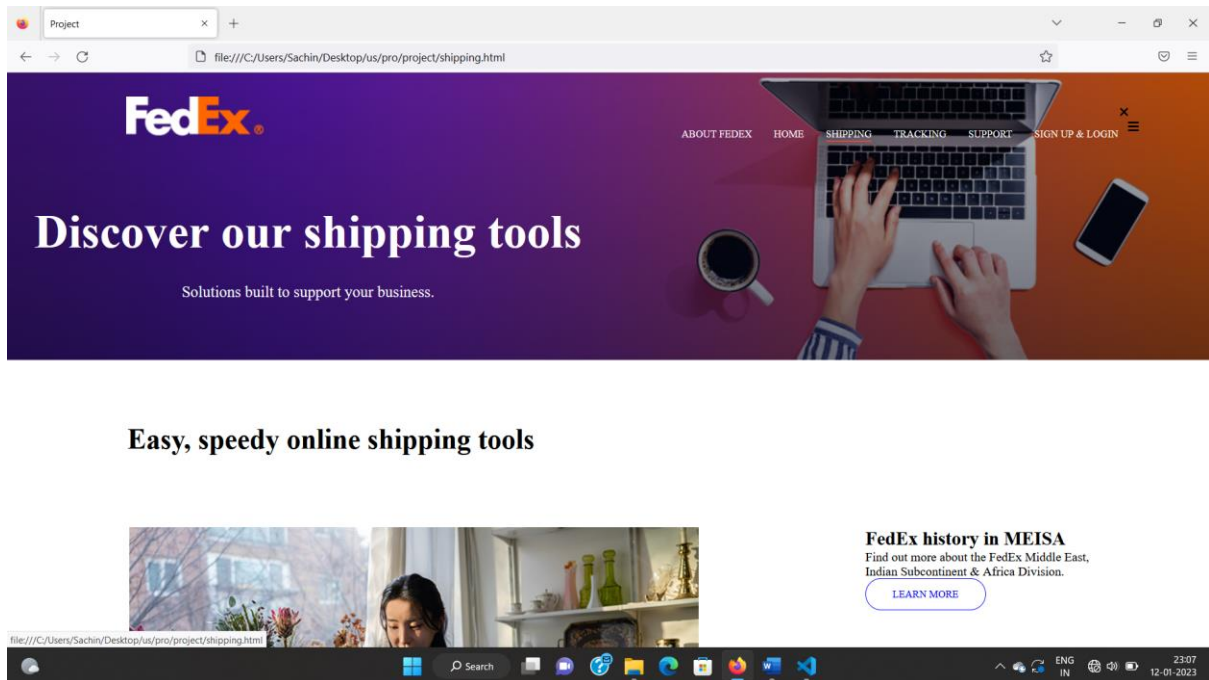
Figure 3 Shipping page

Tracking

FedEx does not request, via unsolicited call, mail, text or email, payment or personal information in return for goods in transit or in FedEx custody. If you receive any of these or similar communications, do not reply or cooperate with the sender. If your interaction with the website resulted in financial loss, you should contact your bank immediately. You should also consider lodging a complaint with the cybercrime police in your city immediately.
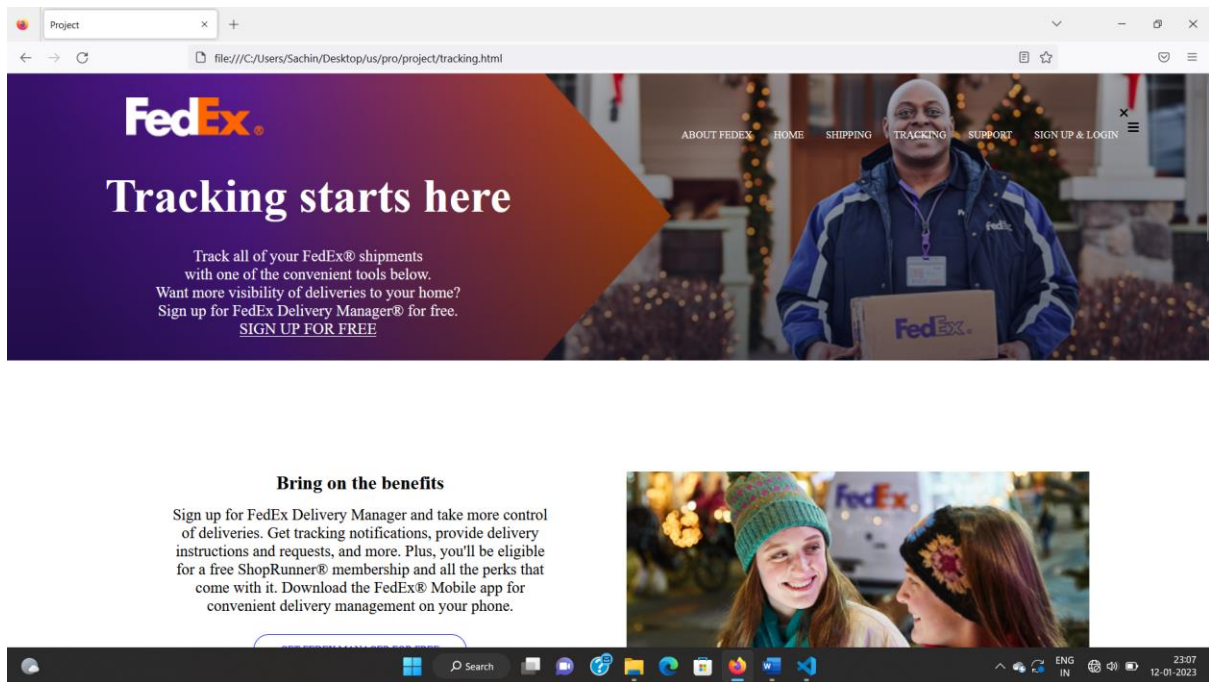
Figure 4.1 Tracking page
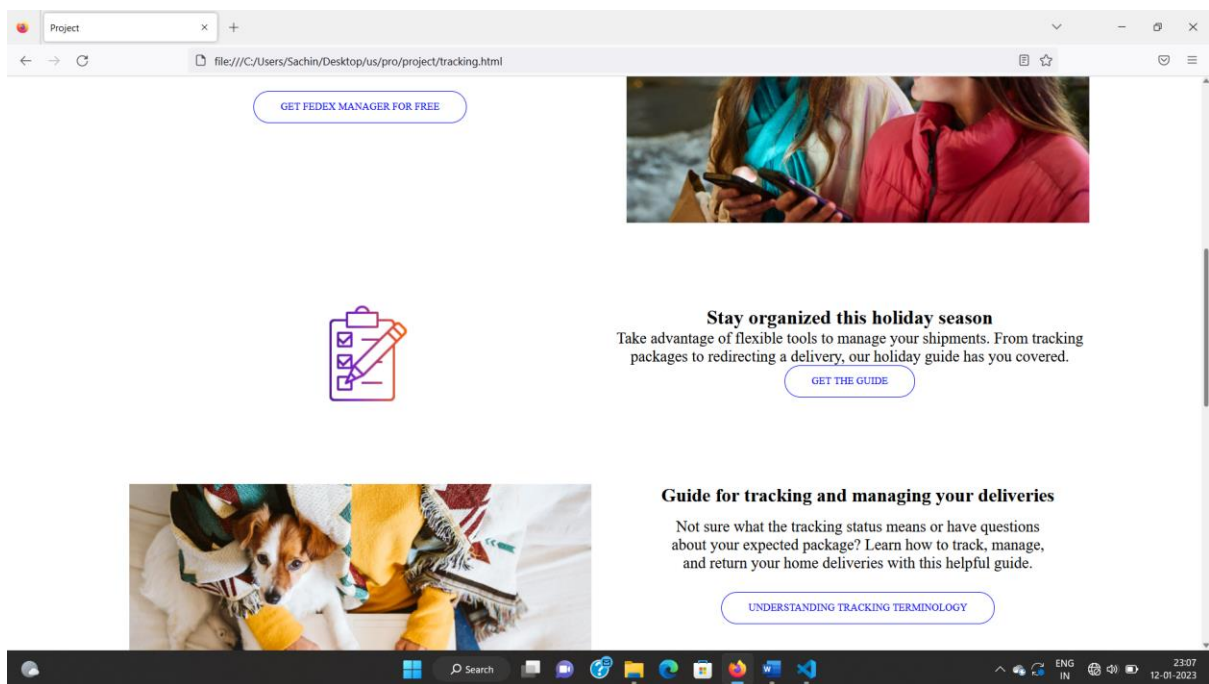
Figure 4.2 Tracking page
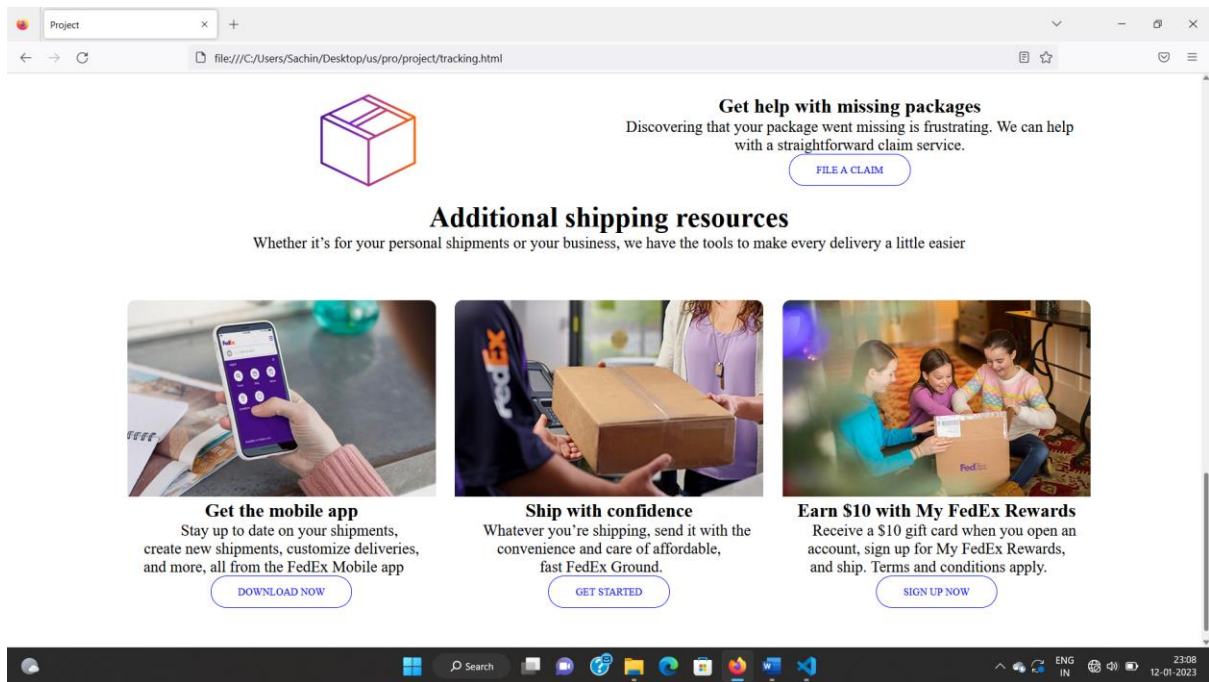
Figure 4.3 Tracking page

Support

In Support, We provide that how we can support to customer and to resolve their problems. We can clear all consequence of customer regarding our service.
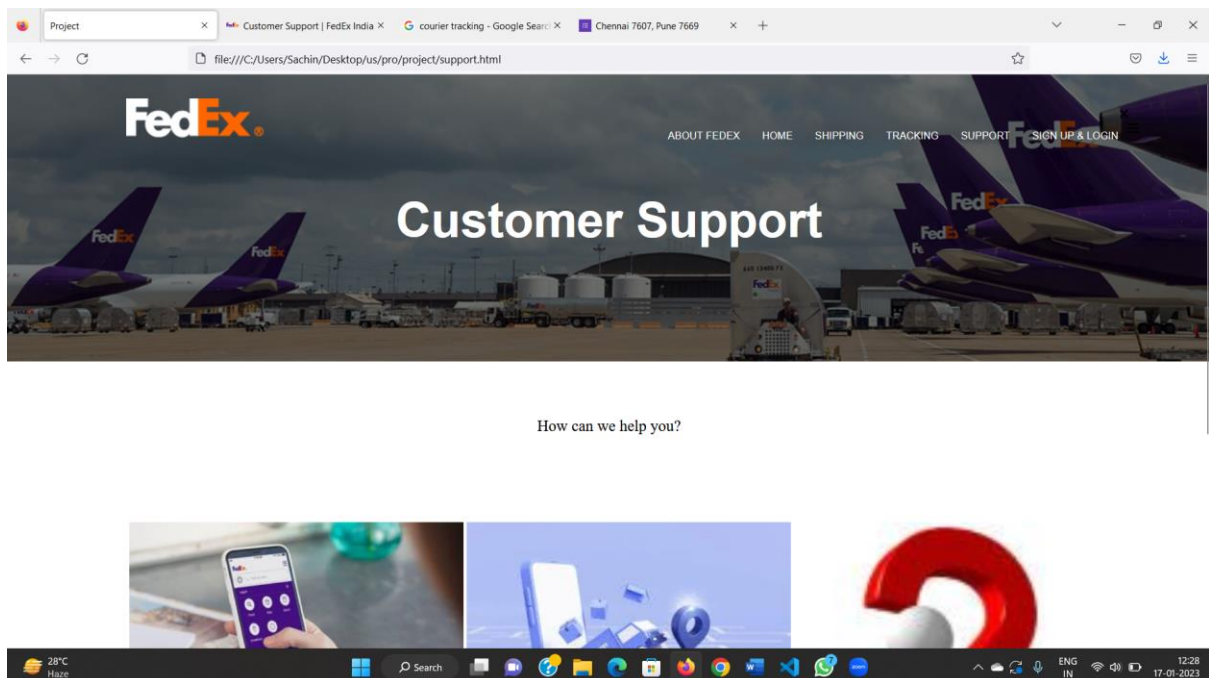
Figure 5.1 customer support
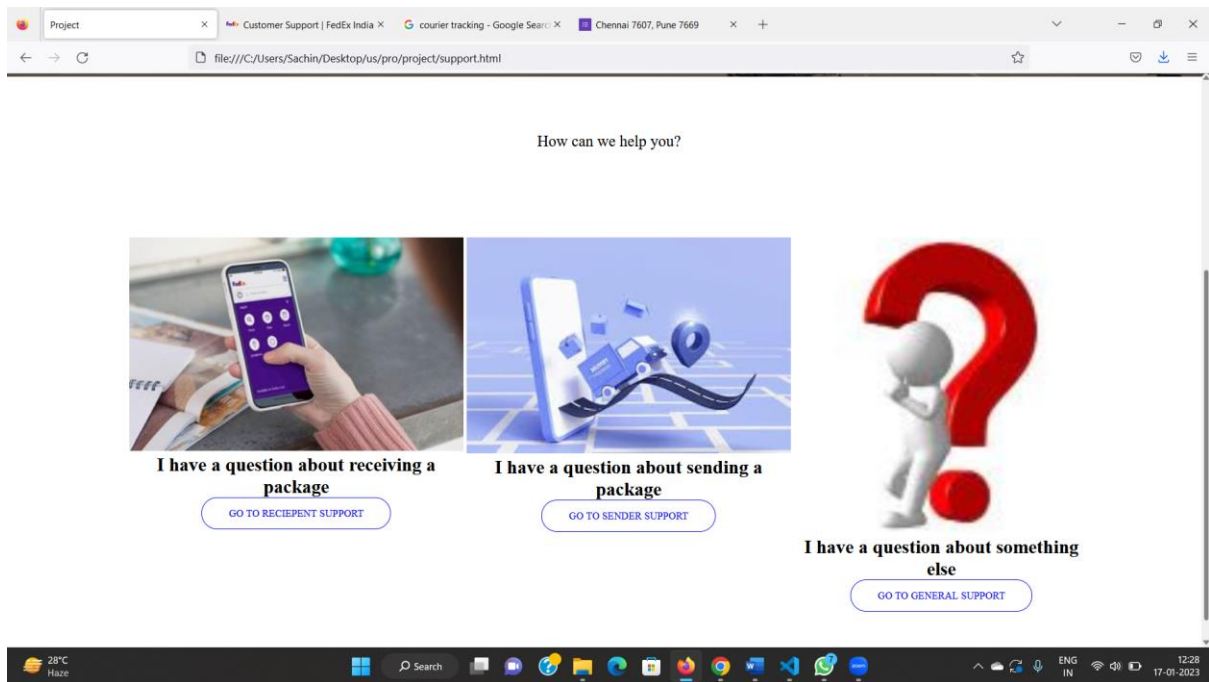
Figure 5.2 customer support

Sign Up and Login

In Sign Up and Login , We provide Sign up page for new user and login page for already exist users.
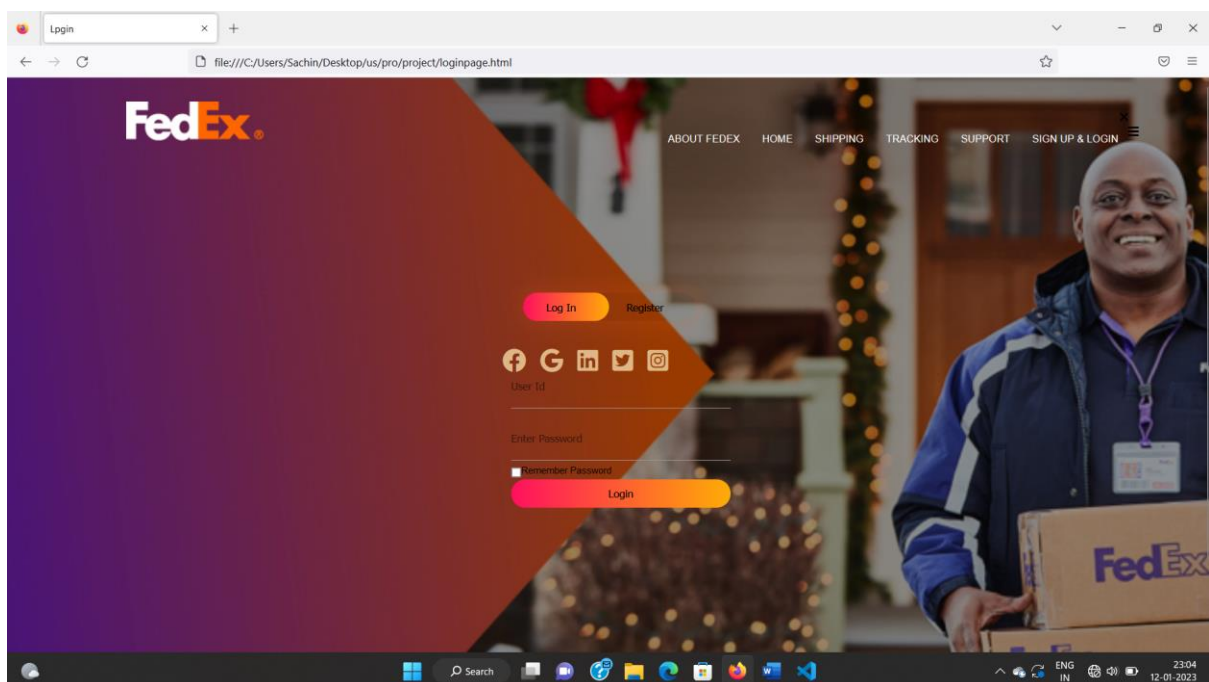
Figure 6.1 login page
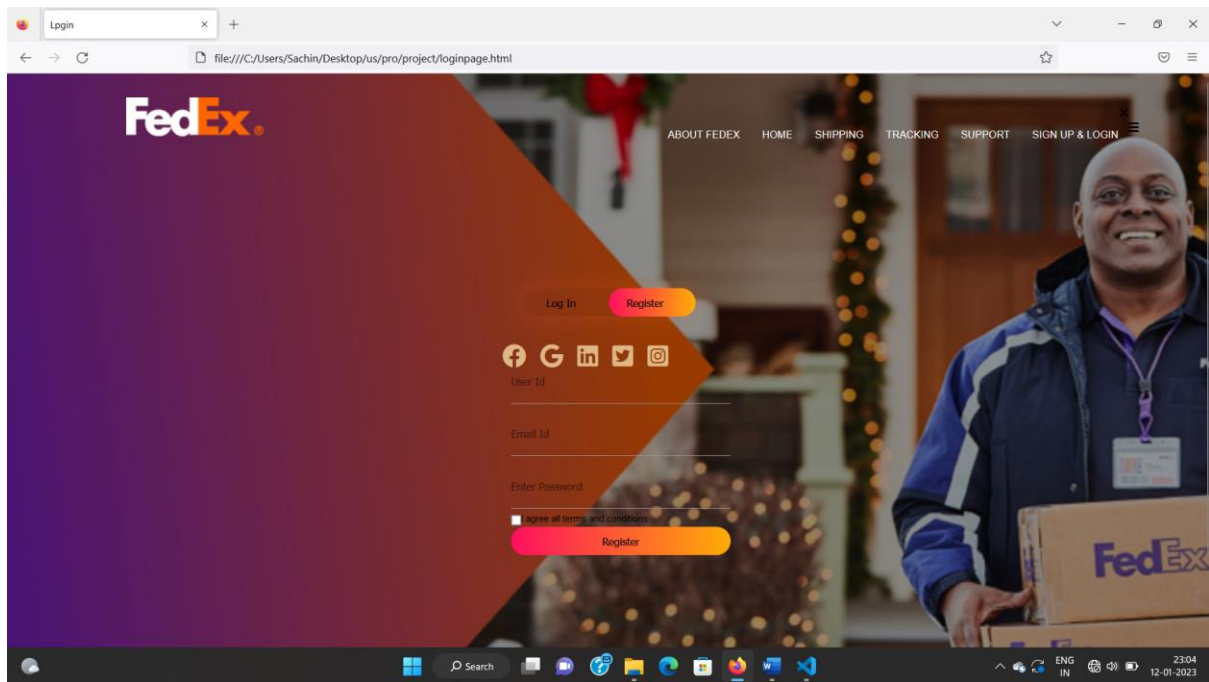
Figure 6.2 Registration page

7.SYSTEM TESTING

7.1: Type Of testing: -

7.1.1.Unit testing: -

A unit test is a way of testing a unit - the smallest piece of code that can be logically isolated in a system. In most programming languages, that is a function, a subroutine, a method or property. The isolated part of the definition is important.

7.1.2. Integration Testing

Integration testing is the testing when two or more modules are integrated or merged to test if the product works fine. Modules are integrated in a planned manner as per the integration plan.

Approaches used in Integration Testing are:
1. Top-Down approach
2. Bottom-up approach
3. Mixed approach
4. Big Bang approach

Top-down approach

In Top-down integration testing, the top-level module is developed and tested first. After that immediate sub-modules are integrated with the top-level module and are tested. Stubs are required to complete the integration testing with a top-level module in case the module to be integrated is not developed and tested.
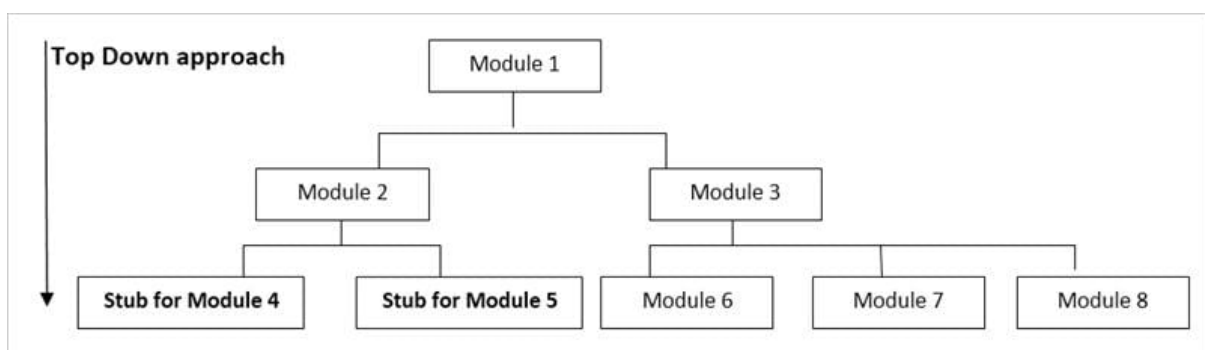
To test module 2 in integration testing when modules 4 & 5 are not developed, stubs are created to test the same in the top-down approach.

Bottom-up Approach

In the bottom-up approach, sub-modules are developed and tested first and the whole system is tested.
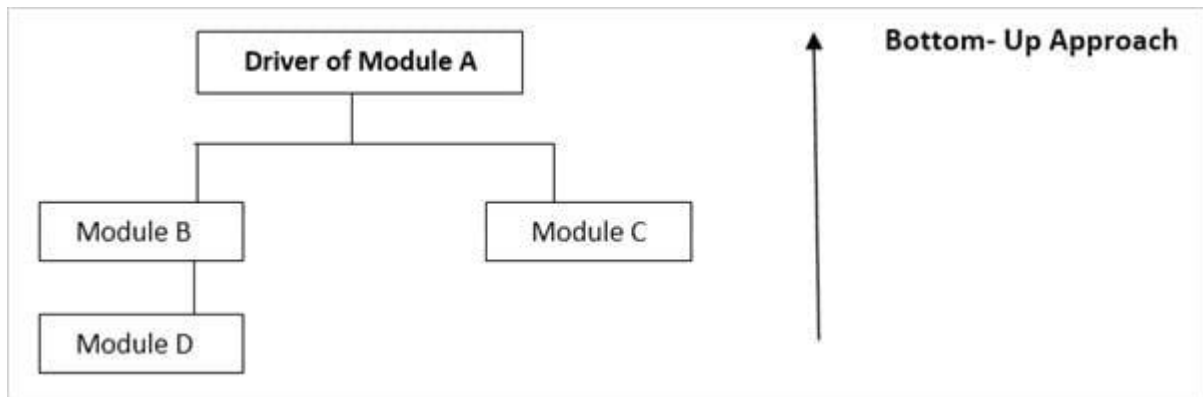
To test Module C, the Driver of module A is created so that function can be called.

Mixed Approach

The mixed approach is a **combination of both top-down and bottom-up** approaches. In the top-down approach, testing can start only when the top modules are developed and the unit tested.

Same way, bottom-up approach testing, can start only when the modules at the bottom have been developed and tested. The mixed approach overcomes this shortcoming as in the mixed approach, testing can start anytime once the modules are developed.

Big Bang Approach

In the Big bang **approach, all the modules are integrated** into one go and are tested. A drawback of this method is that if any error is detected while testing, it would be difficult to find the error-causing module. Once the defect cause is detected, it will be fixed but it would cost high & will be time-consuming as the defect found is at a later stage.
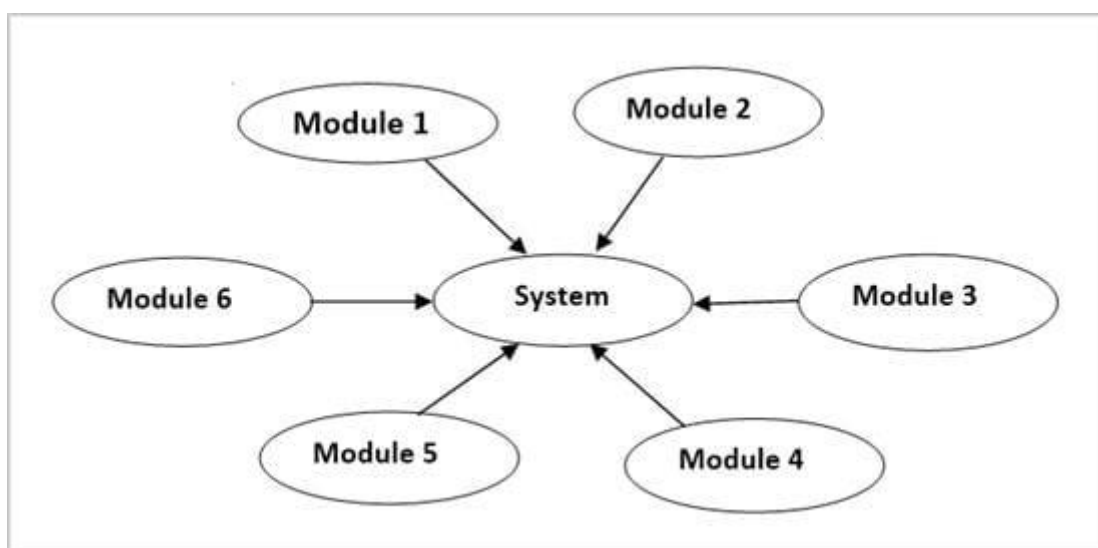
7.1.3. System Testing

In system testing, a system as a whole i.e. a completely developed system is tested to find defects. All the modules are integrated to test as a complete system. Scenarios prepared for system testing are run to find the defects.

All the modules of a product are integrated and tested to verify that the built product is as per the customer requirement. End-to-end testing is performed to cover the complete scenarios.
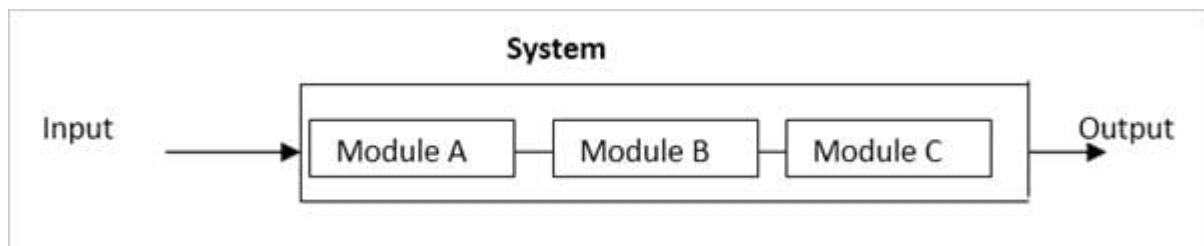
7.1.4.Acceptance Testing

Once the System testing is complete, the Product is ready to be released to the Production environment. But before deployment, the customer's acceptance and approval are required. The customer verifies whether the product is all that they wanted or not. For this acceptance testing is done.

Types of Acceptance Testing:

Alpha Testing:
Alpha testing is done internally by the members of the company who developed the product. This testing is not performed by the developers and testers who developed and tested the product.

Beta Testing:
Beta testing is done by the actual users in the Production environment. Beta version of the application is released in the real environment to get feedback from the users which indeed helps to reduce the chances of failure of the product in the production environment.

User Acceptance Testing:
Testing is done at the user end wherein the prepared UAT test cases are executed. Replica of the production environment is created for the customer to perform the user acceptance testing.

7.1.5. Non -functional testing

Non-functional testing is done to verify the non-functional aspects of a product. **E.g.** Performance of any product comes under non-functional activity.
Non-functional testing is as important as functional testing is. If it is not done properly, it can lead to major issues in the Product.

Example:

If Performance testing is not done for new functionality added to the application, when the application goes live it becomes too slow to work with and the customer gets affected with the same.

Types of Non-functional Testing

- Performance Testing
- Load Testing
- Stress Testing
- Volume Testing
- Security Testing
- Usability Testing
- Compatibility Testing
- Installation Testing
- Uninstallation Testing
- Recovery Testing
- Documentation Testing

7.2 TESTCASE

Testcase for Courier Tracking By ID Website.

Project Name: Courier Tracking

Reference: Project Functionality Requirement Specification

Created By: http://www.fedex.com

Date of created: 01-October -2022

Date of review: 19-January -2023

Test case	Test Objective	Precondition	Steps	Test Data	Expected Result	Post Condition	Result
TC_TBI_001	Login	Login with valid credential	Enter UserId: Enter password: Click on Remember password Click on Login	Ushabansode Usha@123	Login Successfully	Login Successfully	pass
		Login with Invalid Credential	Enter UserId: Enter password: Click on Remember password Click on Login	Ushasbansode Usha#123	Display msg Username or password is wrong	Please Enter Valid username and password	pass
TC_TBI_002	Register	Register with valid Details	Enter username: Enter Email ID: Enter Password: Click on I agree all terms and conditions. Click on Register	Ushabansode Ushasbansode @gmail.com Usha@123	Display msg as successfully registered	Successfully registered	pass

Test case	Test Objective	Precondition	Steps	Test Data	Expected Result	Post Condition	Result
TC_TBI_003	Home	Details	Click on About FedEx	About FedEx	It should navigate to about FedEx page	It will navigate to about FedEx page	pass
Test case	Test Objective	Precondition	Steps	Test Data	Expected Result	Post Condition	Result
			Click on Home	Home	It should navigate to Home page	It will navigate to Home page	pass
			Click on Shipping	Shipping	It should navigate to Shipping page	It will navigate to Shipping page	pass
			Click on Tracking	Tracking	It should navigate to Tracking page	It will navigate to Tracking page	pass
			Click on Support	Support	It should navigate to Support page	It will navigate to Support page	pass

7.3 WEBSITE AUTOMATION TEST USING SELENIUM

Automation Testing is a software testing technique that performs using special automated testing software tools to execute a test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

The automation testing software can also enter test data into the System Under Test, compare expected and actual results and generate detailed test reports.

Software Test Automation demands considerable investments of money and resources.

Automation testing process:

Following steps are followed in an Automation Process

Step 1. Test Tool Selection

Step 2. Define scope of Automation

Step 3. Planning, Design and Development

Step 4. Test Execution

Step 5. Maintenance

SELENIUM AUTOMATION

Selenium is a free, open-source automation testing suite for web applications across different browsers and platforms. It is somewhat similar to HP Quick Test Pro (QTP, currently UFT). However, Selenium focuses on automating web-based applications. Testing done using Selenium is usually referred to as Selenium testing. Remember, only testing web applications is possible with Selenium. You cannot use it to test desktop applications or mobile applications.

7.4 SELENIUM

Selenium is one of the most widely used open source Web UI (User Interface) automation testing suite. It was originally developed by Jason Huggins in 2004 as an internal tool at Thought Works. Selenium supports automation across different browsers, platforms and programming languages.

Selenium can be easily deployed on platforms such as Windows, Linux, Solaris and Macintosh. Moreover, it supports OS (Operating System) for mobile applications like iOS, windows mobile and android. Selenium supports a variety of programming languages through the use of drivers specific to each language.

Languages supported by Selenium include C#, Java, Perl, PHP, Python and Ruby. Currently, Selenium Web driver is most popular with Java and C#. Selenium test scripts can be coded in any of the supported programming languages and can be run directly in most modern web browsers.

Browsers supported by Selenium include Internet Explorer, Mozilla Firefox, Google Chrome and Safari.

7.2.1:Selenium Program:

```java
package ushaproject;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Activity1 {

        public static void main(String[] args) throws InterruptedException {
System.setProperty("webdriver.chrome.driver",
"C:\\Users\\Sachin\\Downloads\\chromedriver_win32\\chromedriver.exe");


                // Instantiate a ChromeDriver class.
                WebDriver driver = new ChromeDriver();
                // Maximize the browser
                driver.manage().window().maximize();
                driver.get("C:\\Users\\Sachin\\Desktop\\us\\pro\\project\\project.html");
                Thread.sleep(2000);

        driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/about.html");
                Thread.sleep(2000);

        driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/home.html");
                Thread.sleep(2000);

        driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/shipping.html");
                Thread.sleep(2000);

        driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/tracking.html");
                Thread.sleep(2000);
```

```java
        driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/support.html");


                Thread.sleep(2000);

                //Login Page
driver.navigate().to("file:///C:/Users/Sachin/Desktop/us/pro/project/loginpage.html");


                driver.findElement(By.id("login")).click();


        driver.findElement(By.xpath("/html/body/section/div/form[1]/input[1]")).sendKeys("
UshaBansode");


        driver.findElement(By.xpath("/html/body/section/div/form[1]/input[2]")).sendKeys("
UshaBansode@123");

                driver.findElement(By.className("checkbox")).click();

                driver.findElement(By.className("submit-btn")).click();

                //Registration Page


        driver.findElement(By.xpath("/html/body/section/div/div[1]/button[2]")).click();

                driver.findElement(By.cssSelector("#register            >            input:nth-
child(1)")).sendKeys("UshaBansode");


        driver.findElement(By.xpath("/html/body/section/div/form[2]/input[2]")).sendKeys("
ushabansode123@gmail.com");


        driver.findElement(By.xpath("/html/body/section/div/form[2]/input[3]")).sendKeys("
UshaBansode123");

                driver.findElement(By.className("checkbox")).click();

                driver.findElement(By.className("submit-btn")).click();



        }


}
```
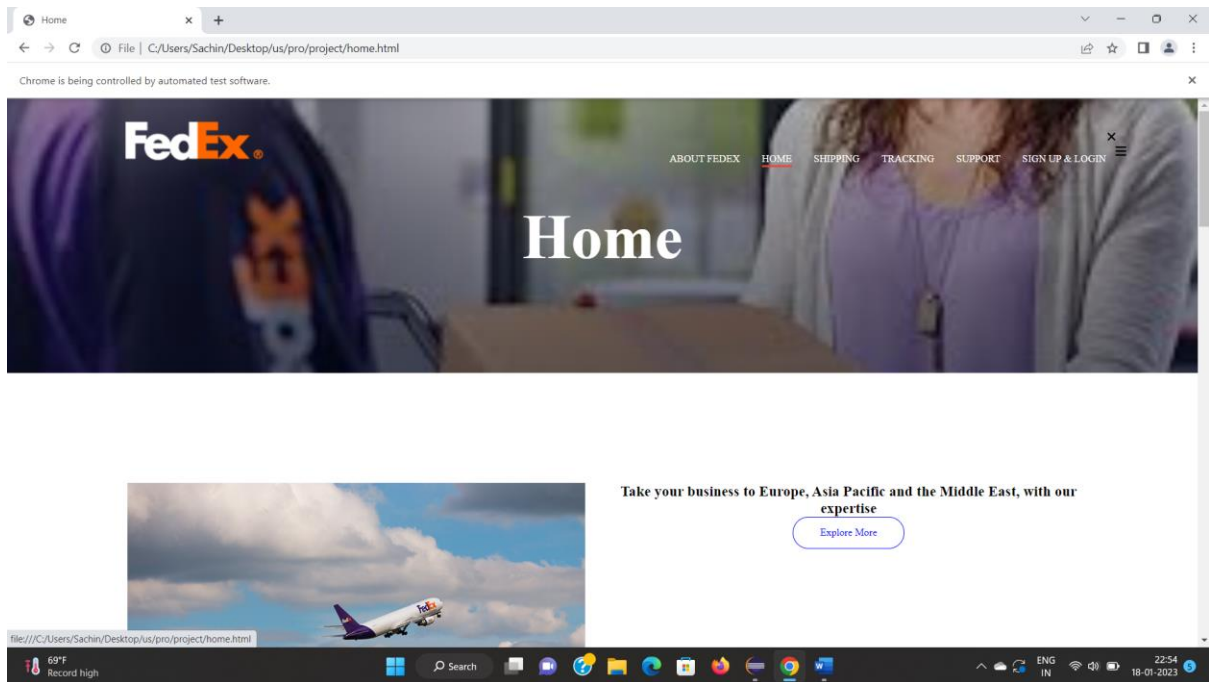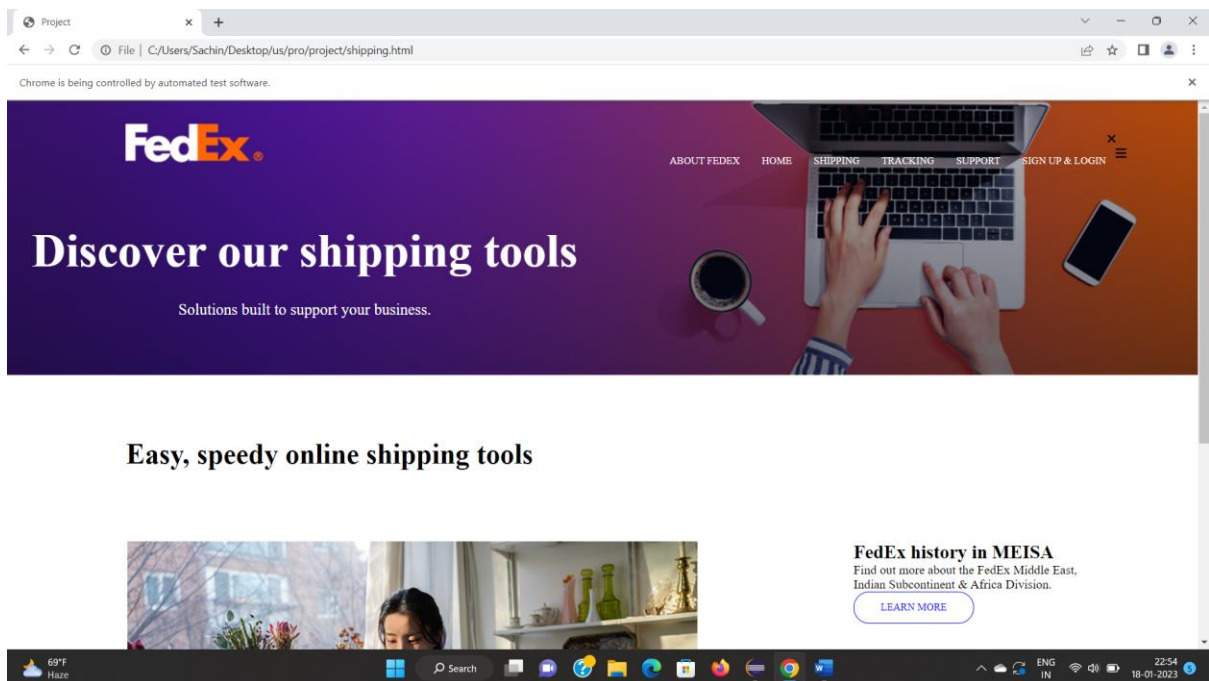
Output of Automated testing:
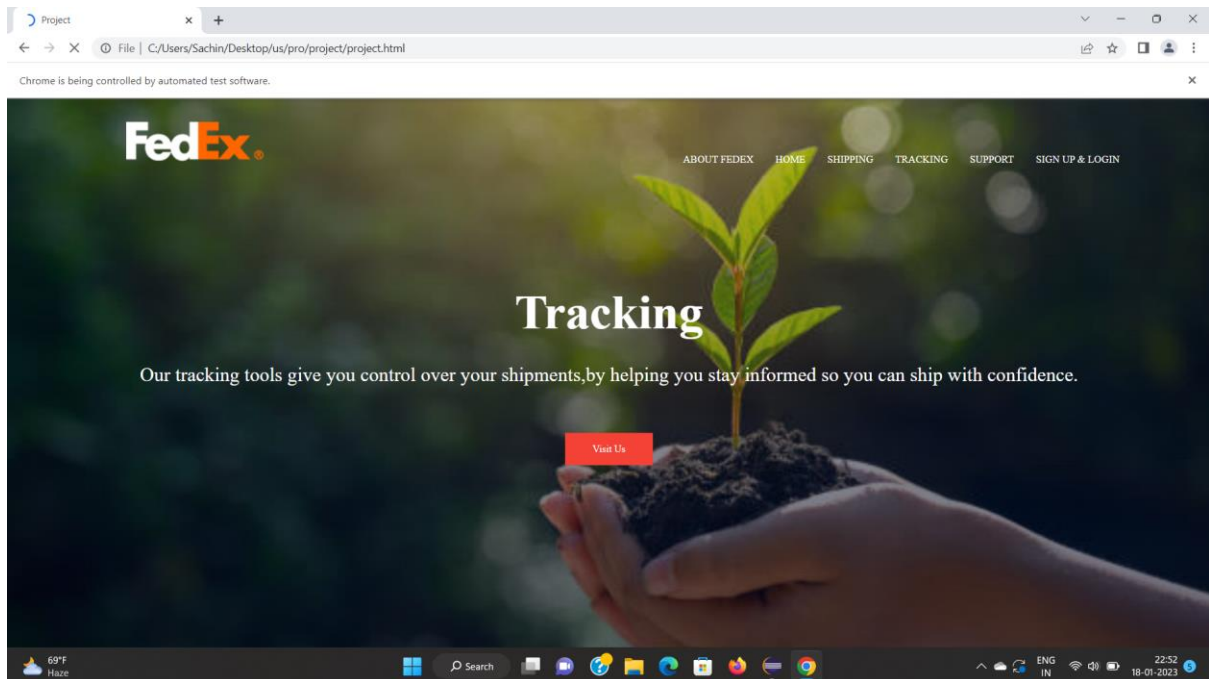
The above figure shows the main page of webpage
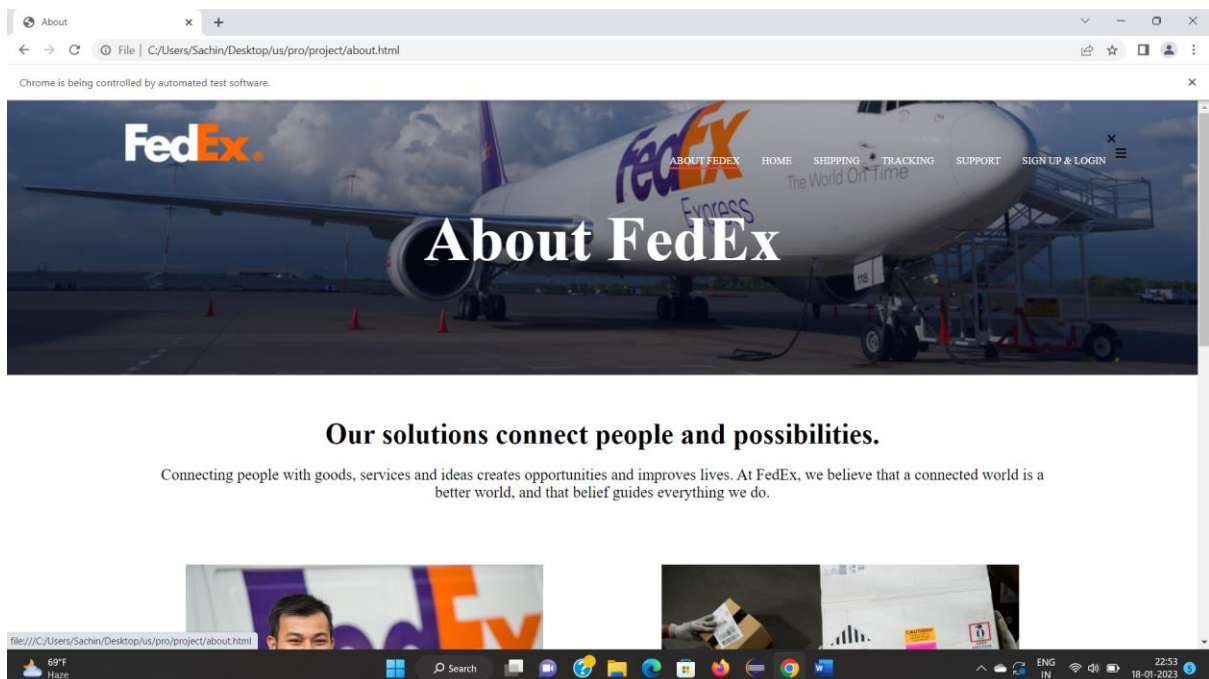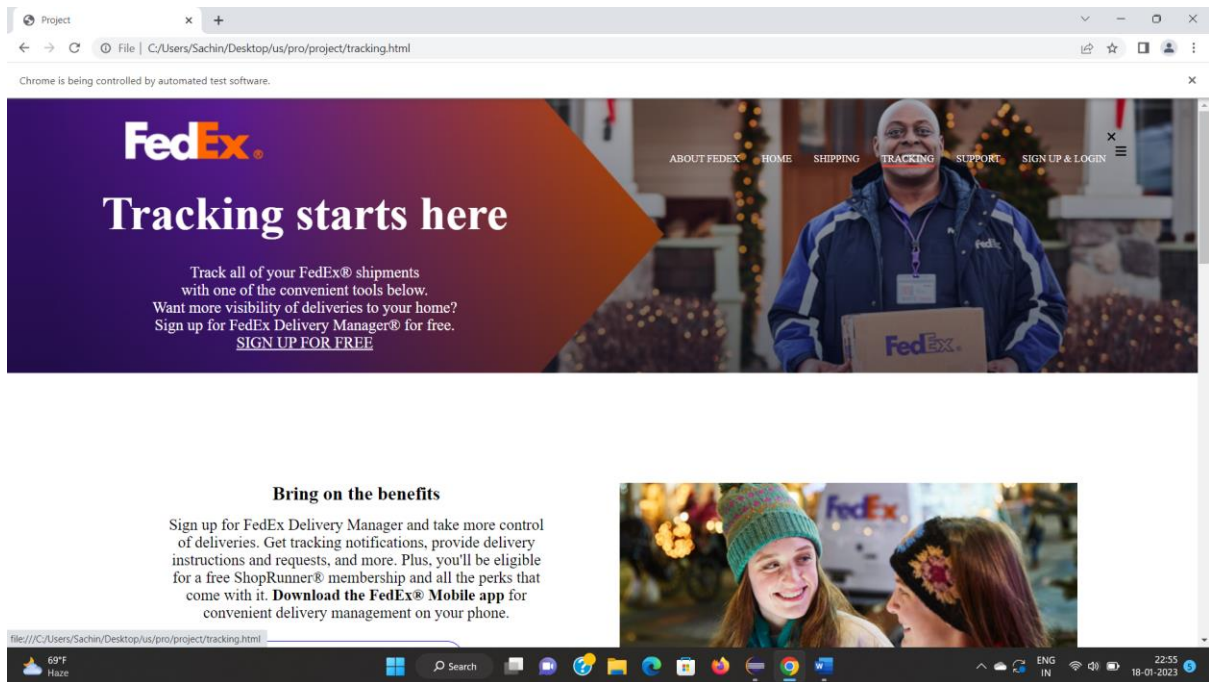

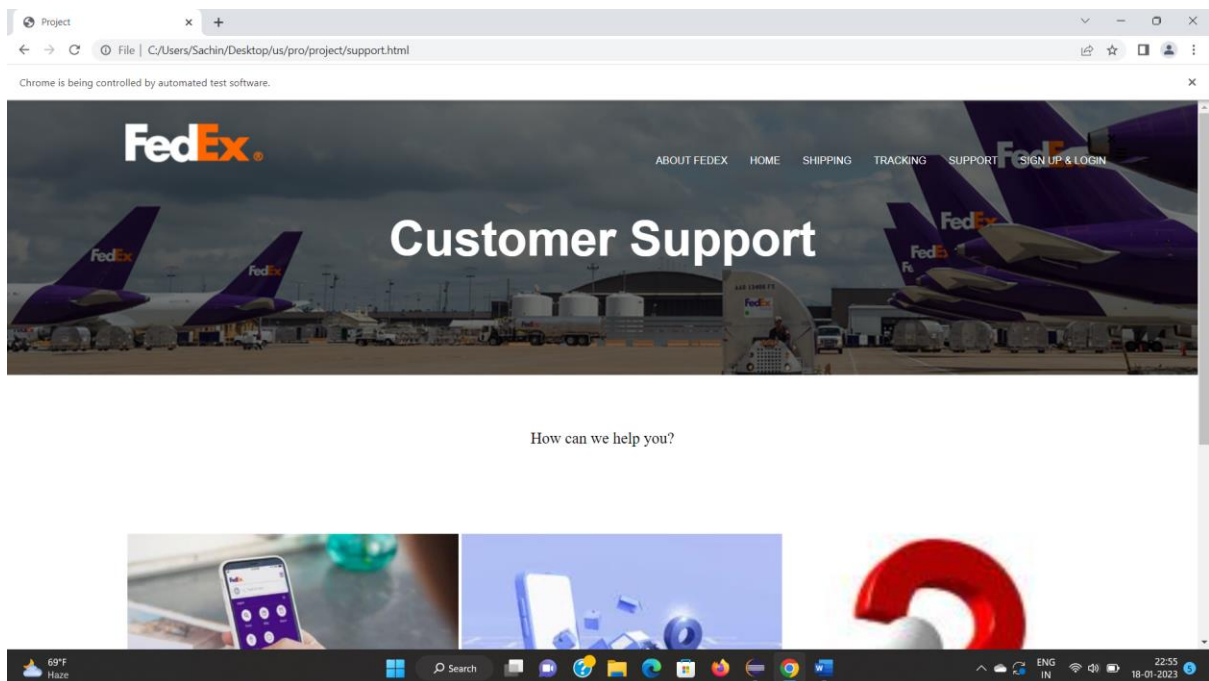The above figure shows the about FedEx page of webpage

The above figure shows the home page of webpage

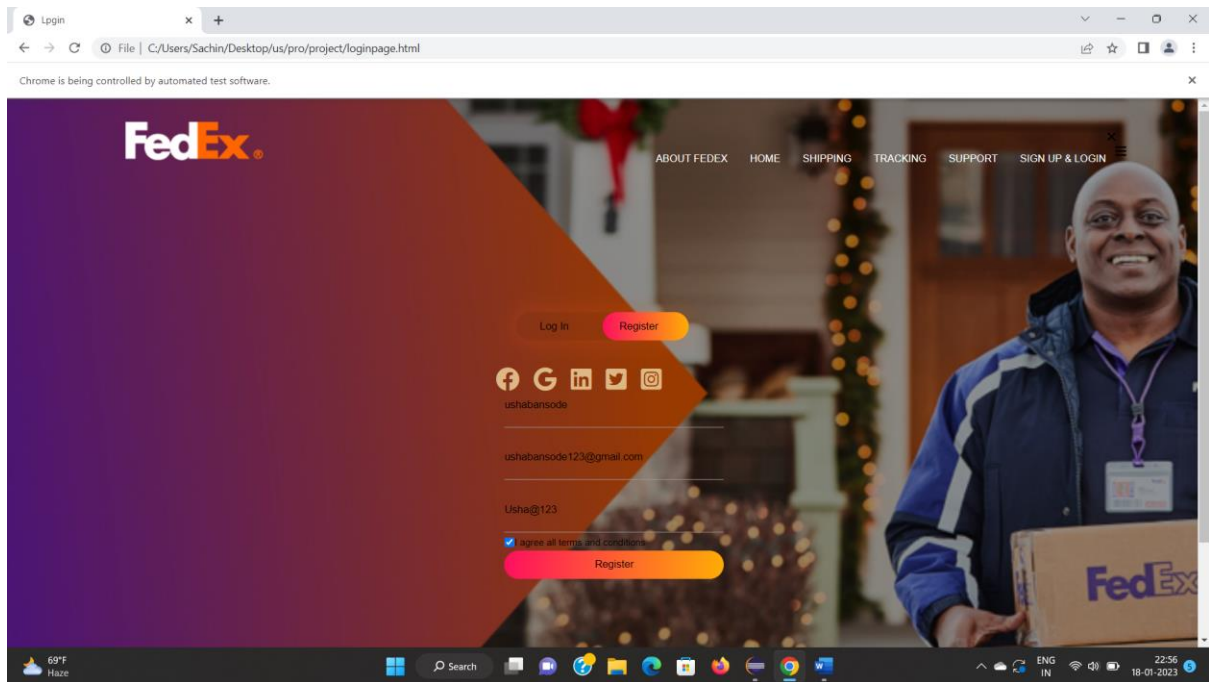The above figure shows the shipping page of webpage where we can see shipping related information.

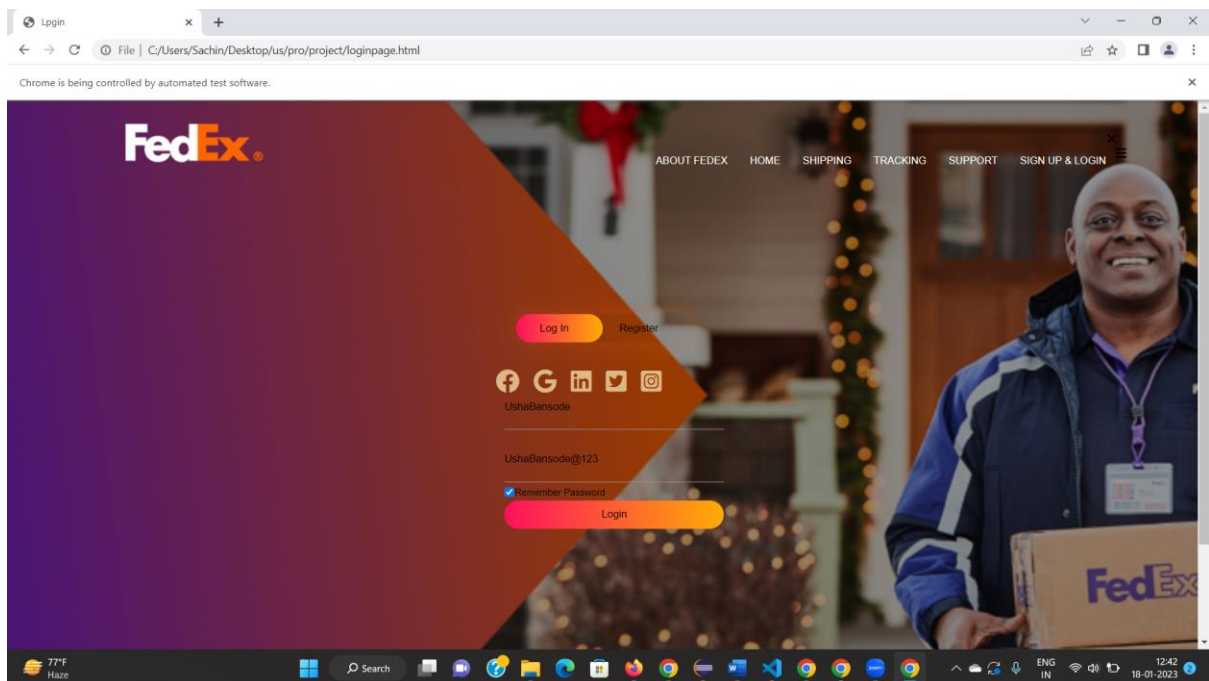The above figure shows the tracking page of webpage

The above figure shows the support page of webpage

Above figure shows the about Registration page

The above figure shows the Login page of webpage

7.4.2:Automation Testing on Edubridge Portal:

```java
package ushaproject;


import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;


public class Activity1 {


    public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver",
"C:\\Users\\Sachin\\Downloads\\chromedriver_win32\\chromedriver.exe");


        // Instantiate a ChromeDriver class.

        WebDriver driver = new ChromeDriver();

        // Maximize the browser

        driver.manage().window().maximize();

        driver.get("https://www.edubridgeindia.com/login");

        driver.findElement(By.id("login_mobile")).sendKeys("9309792716");

        driver.findElement(By.id("login_password")).sendKeys("Usha@123");

        driver.findElement(By.id("btnLoginSubmit")).click();


    }


}
```
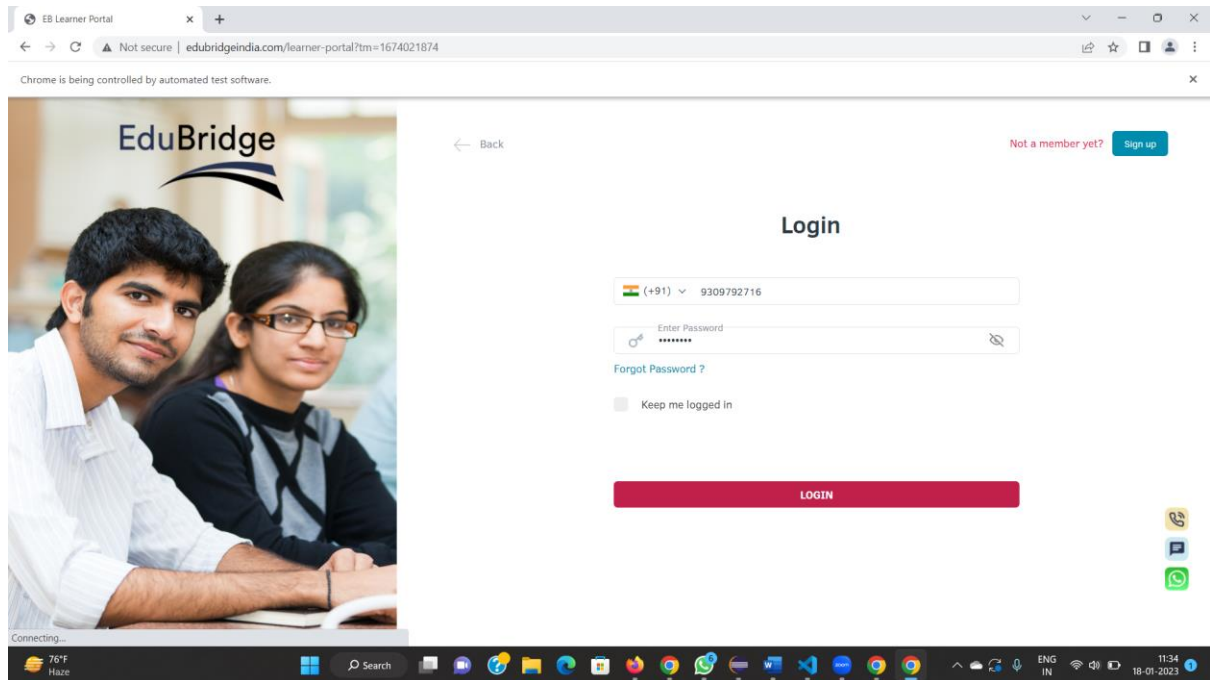
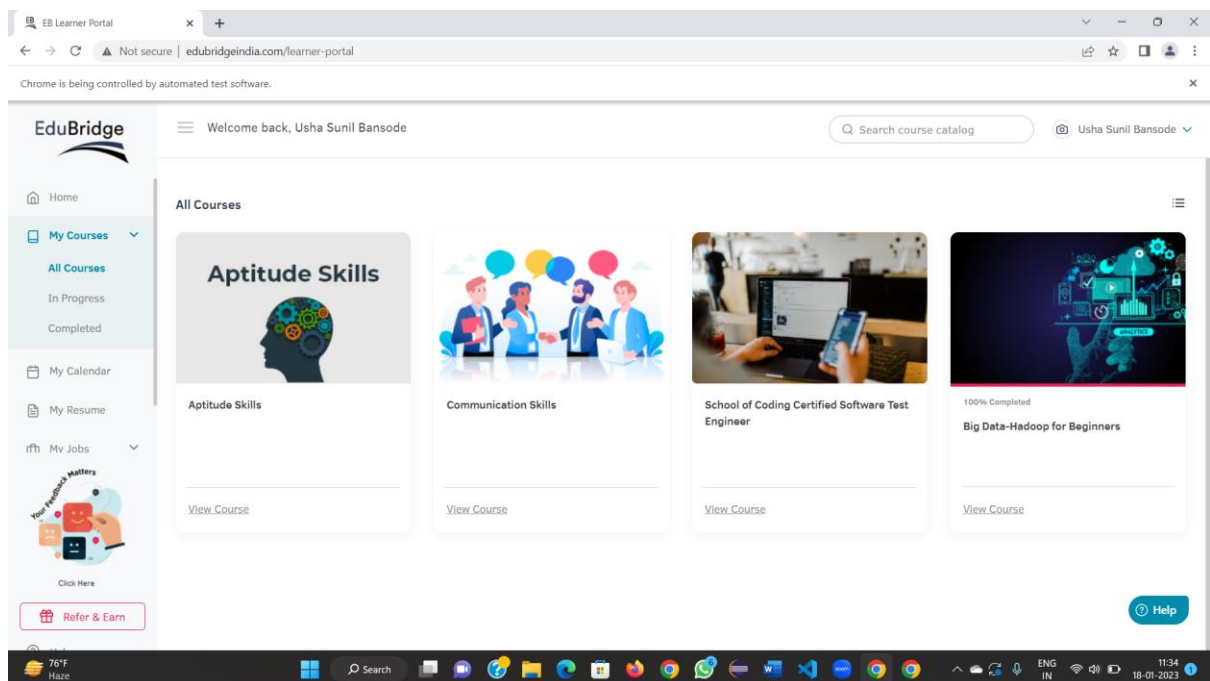**Output:**

Figure 7.2.1 Login page

Figure 7.2.2 Edubridge portal

7.4.3:Cucumber:

Cucumber is a testing tool that supports Behavior Driven Development (BDD). It offers a way to write tests that anybody can understand, regardless of their technical knowledge. In BDD, users (business analysts, product owners) first write scenarios or acceptance tests that describe the behavior of the system from the customer's perspective, for review and sign-off by the product owners before developers write their codes.

Code

```
package runner;

import org.junit.runner.RunWith;

import io.cucumber.junit.CucumberOptions;

import io.cucumber.junit.Cucumber;

@RunWith(Cucumber.class)

@CucumberOptions(features="src/test/java",glue= {"instagramTest"})

public class Runner {

}
```

8. CONCLUSION

The Courier Tracking Service System project provides user interface in to the application through an authentified admin and also its a modern way of usage to a Courier Service through a computer system.

The main proposed system of this web application is to track the item and check the current status of the user.