GRE Online Test

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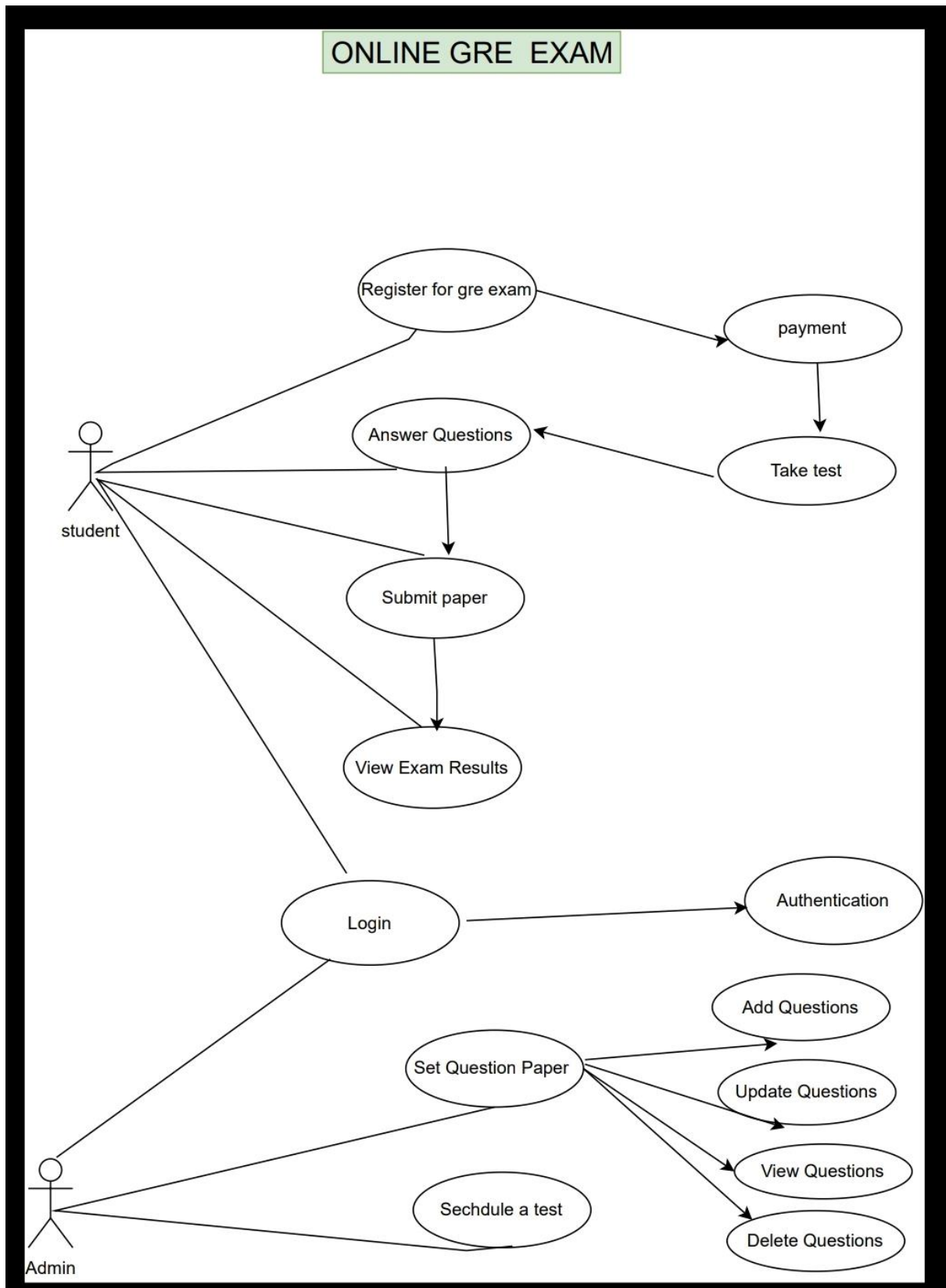   Requirements covered: AD006

Use Case Diagram:

Table Design:

Table ▲	Action							Rows ❔	Type	Collation	Size	Overhead
☐ categorydetails	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	6	InnoDB	utf8mb4_general_ci	16.0 KiB	-
☐ creditcarddetails	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
☐ greinformation	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
☐ logincredentials	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
☐ questiondetails	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	180	InnoDB	utf8mb4_general_ci	64.0 KiB	-
☐ scheduledetails	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
☐ userdetails	⭐	🔲 Browse	📊 Structure	🔍 Search	➕ Insert	🗑 Empty	⛔ Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
7 tables	**Sum**							**197**	**InnoDB**	**utf8mb4_general_ci**	**160.0 KiB**	**0 B**

1) categorydetails:

			CategoryID	CategoryName	PaperName	NoOfQuestions	DurationofExam	ExamFare
☐	🖊 Edit	➕ Copy ⛔ Delete	G001	General	Aptitude	30	02:00:00	250
☐	🖊 Edit	➕ Copy ⛔ Delete	S001	Subject	Maths	30	02:00:00	350
☐	🖊 Edit	➕ Copy ⛔ Delete	S002	Subject	Physics	30	02:00:00	350
☐	🖊 Edit	➕ Copy ⛔ Delete	S003	Subject	Chemistry	30	02:00:00	350
☐	🖊 Edit	➕ Copy ⛔ Delete	S004	Subject	Physcology	30	02:00:00	350
☐	🖊 Edit	➕ Copy ⛔ Delete	S005	Subject	English	30	02:00:00	350

2) creditcarddetails:

CreditCardNumber	ValidityTo	Balance
4356278347637847	May/2033	0
1234123412341234	Aug/2033	0

3) greinformation:

UserID	CategoryID	GRERegistrationID	Score	RegistrationCount	TestTaken	Scheduled
DeQA855	G001	558AQeDG001	9	1	1	1
AnAG647	S002	746GAnAS002	0	1	1	1

4) logincredentials:

UserType	UserID	Password
A	Admin	admin123
U	DeQA855	devesh112
U	AnAG647	anmol123

5) questiondetails:

	CategoryID	QuestionNo	QuestionDescription	Choice1	Choice2	Choice3	Choice4	Answer
☐ 🖉 Edit 📋 Copy ⊖ Delete	G001	1	A train running at the speed of 60 km/hr crosses a...	120metres	180metres	324metres	150metres	150metres
☐ 🖉 Edit 📋 Copy ⊖ Delete	G001	2	The length of the bridge, which a train 130 metres...	200m	225m	245m	250m	245m
☐ 🖉 Edit 📋 Copy ⊖ Delete	G001	3	Two ships are sailing in the sea on the two sides ...	173m	200m	273m	300m	273m
☐ 🖉 Edit 📋 Copy ⊖ Delete	G001	4	A sum of money at simple interest amounts to Rs...	Rs. 650	Rs. 690	Rs. 698	Rs. 700	Rs. 698

■ Console

6) scheduledetails:

ExamID	CategoryID	DateOfExam
558AQeDG001	G001	2022-05-31 00:00:00
746GAnAS002	S002	2022-05-31 00:00:00

7) userdetails:

UserID	Password	First Name	Last Name	Age	Gender	Address	PhoneNo	LoginStatus
DeQA855	devesh112	Devesh	Qanoungo	22	Male	920 Urban Estate Phase 2	8556064673	1
AnAG647	anmol123	Anmol	Agarwal	22	Male	991 Ue Phase 2	6473562241	0

Code and screen shots of the project:

1) Connection:

```
package com.DBConnection;

import java.sql.Connection;
import java.sql.DriverManager;

public class MyConnection {
    Connection con;

    public Connection getConnection()
    {
        try
        {
```

```
                    if(con==null) {
                           Class.forName("com.mysql.cj.jdbc.Driver");

                con=DriverManager.getConnection("jdbc:mysql://localhost:3306/gre online
          test","root","");
                           }

                    }
                    catch(Exception e)
                    {
                           e.printStackTrace();
                    }
                    return con;
               }
          }
```

2) Home page:

HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
     <meta charset="utf-8">
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <title>Home</title>
     <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
     <link rel="stylesheet" type="text/css" href="Footer.css">
     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
     <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
     <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
     <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
       <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">

    <style>
     .bd-placeholder-img {
       font-size: 1.125rem;
       text-anchor: middle;
       -webkit-user-select: none;
       -moz-user-select: none;
       -ms-user-select: none;
       user-select: none;
     }

     @media (min-width: 768px) {
       .bd-placeholder-img-lg {
         font-size: 3.5rem;
       }
     }

    </style>

    <link rel="stylesheet" type="text/css" href="Index.css">

</head>
<body>
```

```html
<form id="form1">
    <header>
        <!--Navigation Bar-->
        <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
            <a class="navbar-brand" href="#"><b>GRE EXAMINATION SYSTEM</b></a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarCollapse">
                <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a class="nav-link" href="AboutUs.html">About</a>
                </li>
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-toggle" href="#" id="dropdown03" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Login</a>
                        <div class="dropdown-menu" aria-labelledby="dropdown03">
                            <a class="dropdown-item" href="Login.jsp">Student</a>
                            <a class="dropdown-item" href="Adminlogin.jsp">Admin</a>
                        </div>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="Register.jsp">Sign Up</a>
                </li>
                    </ul>
            </div>
        </nav>
    </header>

    <!--Image Carousel-->
    <div id="myCarousel" class="carousel slide" data-ride="carousel">
        <ol class="carousel-indicators">
        <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
        <li data-target="#myCarousel" data-slide-to="1"></li>
        <li data-target="#myCarousel" data-slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
    <div class="carousel-item active">
        <svg class="bd-placeholder-img" width="100%" height="100%" xmlns="http://www.w3.org/2000/svg" preserveAspectRatio="xMidYMid slice" focusable="false" role="img"><rect width="100%" height="100%" fill="#1eb1eb"/></svg>

        <div class="container">
          <div class="carousel-caption text-left">
            <h1><b>Easy to Use.</b></h1>
            <p>A Simple and Easy way to give your GRE Exam.</p>
            <p><a class="btn btn-lg btn-primary" href="Register.jsp" role="button">Sign Up</a></p>
          </div>
        </div>
    </div>
    <div class="carousel-item">
        <svg class="bd-placeholder-img" width="100%" height="100%" xmlns="http://www.w3.org/2000/svg" preserveAspectRatio="xMidYMid slice" focusable="false" role="img"><rect width="100%" height="100%" fill="#1eb1eb"/></svg>

        <div class="container">
        <div class="carousel-caption">
          <h1><b>Efficient and Reliable.</b></h1>
          <p>An Efficient and a Reliable site to register and take GRE Exam.</p>
          <p><a class="btn btn-lg btn-primary" href="AboutUs.html" role="button">Learn more</a></p>
        </div>
```

```html
        </div>
      </div>
      <div class="carousel-item">
        <svg class="bd-placeholder-img" width="100%" height="100%"
xmlns="http://www.w3.org/2000/svg" preserveAspectRatio="xMidYMid slice" focusable="false"
role="img"><rect width="100%" height="100%" fill="#1eb1eb"/></svg>

          <div class="container">
          <div class="carousel-caption text-right">
            <h1><b>Simple and Non-Complex.</b></h1>
            <p>A Clean and an Elegant User Interface with Minimal Complexities.</p>
            <p><a class="btn btn-lg btn-primary" href="Login.jsp" role="button">Start
Exam</a></p>
          </div>
        </div>
      </div>
    </div>
    <a class="carousel-control-prev" href="#myCarousel" role="button" data-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#myCarousel" role="button" data-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="sr-only">Next</span>
    </a>
  </div>

    <!--Jumbotron-->
    <div class="container-fluid">
    <div class="row jumbotron">
        <div class="col-xs-12 col-sm-12 col-md-9 col-lg-9 col-xl-10">
          <p class="lead">A GRE Online Examination System for candidates applying for
master's courses to schedule their exam. If the candidate faces any challenges while taking the
exam or any queries regarding the system please contact us.</p>
        </div>
    </div>
    </div>
    <!--Build with Ease and Logos section-->
    <div class="container-fluid padding">
    <div class="row welcome text-center">
        <div class="col-12">
          <h1 class="display-4">Assess with ease.</h1>
        </div>
        <hr />
        <div class="col-12">
          <p class="lead">
            A GRE Online Examination Tool that allows for the swift, efficient and smooth
conduction of exam.</p>
        </div>
    </div>
    </div>
    <div class="container-fluid">
    <div class="row text-center padding">
        <div class="col-xs-12 col-sm-6 col-md-4">
          <i class="fa fa-bolt" aria-hidden="true"></i>
          <h3>Fast</h3>
          <p>Fast and Smooth Assessment.</p>
        </div>
        <div class="col-xs-12 col-sm-6 col-md-4">
          <i class="fa fa-lock" aria-hidden="true"></i>
          <h3>Secure</h3>
          <p>Secure Examination Process.</p>
        </div>
        <div class="col-sm-12 col-md-4">
          <i class="fa fa-check-square" aria-hidden="true"></i>
```

```html
            <h3>Reliable</h3>
            <p>Reliable and Trustworthy Platform</p>
        </div>
    </div>
    <hr class="my-4"/>
    </div>

    <!--Connect Section-->
    <div class="container-fluid padding">
    <div class="row text-center padding">
        <div class="col-12">
            <h2>Connect</h2>
        </div>
        <div class="col-12 social padding">
            <a href="https://www.facebook.com/"><i class="fab fa-facebook"></i></a>
            <a href="https://www.youtube.com/"><i class="fab fa-youtube"></i></a>
            <a href="https://www.instagram.com/"><i class="fab fa-instagram"></i></a>
            <a href="https://myaccount.google.com/intro/personal-info"><i class="fab fa-google-
plus-g"></i></a>
            <a href="https://twitter.com/"><i class="fab fa-twitter"></i></a>
        </div>
    </div>
    </div>

    <footer>
        <div class="container-fluid padding">
        <div class="row text-center">
            <div class="col-md-4">
                <hr class="light">
                <h5>Our Address</h5>
                <hr class="light">
                <p>+91 9823451278</p>
                <p>contactus@ttgs.com</p>
                <p>1901/B, Om Vikas</p>
                <p>Mumbai, Mahrashtra,400006</p>
            </div>
            <div class="col-md-4">
                <hr class="light" />
                <h5>Our Hours</h5>
                <hr class="light" />
                <p>Monday: 9PM-5PM</p>
                <p>Saturday:10AM-4PM</p>
                <p>Sunday: Closed</p>
            </div>
            <div class="col-md-4">
                <hr class="light">
                <h5>Service Areas</h5>
                <hr class="light" />
                <p>Mumbai, Maharashtra</p>
                <p>Ahmedabad, Gujarat</p>
                <p>Chennai, Tamil Nadu</p>
                <p>Bhopal, Madhya Pradesh</p>
            </div>
            <div class="col-12">
                <hr class="light" />
                <h5>&copy; gre.com</h5>
            </div>
        </div>
        </div>
    </footer>
    </form>
</body>
    </html>
```

CSS:

```css
body {
    padding-top: 3rem;
    padding-bottom: 3rem;
    color: #5a5a5a;
    font-family: 'Poppins', sans-serif;
    overflow-x: hidden;
}

nav {
    font-family: sans-serif;
}

.navbar-brand {
    font-size: 20px;
    font-family: Georgia, 'Times New Roman', Times, serif;
}

.carousel {
    margin-bottom: 0;
}

.carousel-caption {
    bottom: 3rem;
    z-index: 10;
}

.carousel-item {
    height: 415px;
}

    .carousel-item > img {
        position: absolute;
        top: 0;
        left: 0;
        min-width: 100%;
        height: 30rem;
    }

.padding {
    padding-bottom: 2rem;
}

.welcome {
    width: 75%;
    margin: 0 auto;
    padding-top: 2rem;
}

    .welcome hr {
        border-top: 1px solid #b4b4b4;
        width: 95%;
        margin-top: 0.3rem;
        margin-bottom: 1rem;
    }

.fa-bolt {
    color: #5a5a5a;
}

.fa-lock {
    color: #5a5a5a;
}
```

```css
.fa-check-square {
    color: #5a5a5a;
}

.fa-bolt, .fa-lock, .fa-check-square {
    font-size: 4em;
    margin: 1rem;
}

.jumbotron{
    padding:1rem;
    border-radius:0;
}

.social a {
    font-size: 4.5em;
    padding: 2rem;
}

.fa-facebook {
    color: #3b5998;
}

.fa-twitter {
    color: #00aced;
}

.fa-google-plus-g {
    color: #dd4b39;
}

.fa-instagram {
    color: #517fa4;
}

.fa-youtube {
    color: #bb0000;
}

    .fa-facebook:hover,
    .fa-twitter:hover,
    .fa-google-plus-g:hover,
    .fa-instagram:hover,
    .fa-youtube:hover {
        color: #d5d5d5;
    }

footer {
    background-color: #3f3f3f;
    color: #d5d5d5;
    padding-top: 2rem;
}

hr.light {
    border-top: 1px solid #d5d5d5;
    width: 75%;
    margin-top: 0.8rem;
    margin-bottom: 1rem;
}

footer a {
    color: #d5d5d5;
}

@media(max-width:992px){
```

```css
    .social a{
        font-size: 4em;
        padding: 2rem;
    }
}

@media(max-width:768px)
{
    .social a{
        font-size: 2.5em;
        padding: 1.2rem;
    }
}

.marketing .col-lg-4 {
    margin-bottom: 1.5rem;
    text-align: center;
}

.marketing h2 {
    font-weight: 400;
}

.marketing .col-lg-4 p {
    margin-right: .75rem;
    margin-left: .75rem;
}

.featurette-divider {
    margin: 5rem 0;
}


.featurette-heading {
    font-weight: 300;
    line-height: 1;
    letter-spacing: -.05rem;
}

@media (min-width: 40em) {

    .carousel-caption p {
        margin-bottom: 1.25rem;
        font-size: 1.25rem;
        line-height: 1.4;
    }

    .featurette-heading {
        font-size: 50px;
    }
}

@media (min-width: 62em) {
    .featurette-heading {
        margin-top: 7rem;
    }
    }
```

GRE EXAMINATION SYSTEM   About   Login ▾   Sign Up

Simple and Non-Complex.

A Clean and an Elegant User Interface with Minimal Complexities.

Start Exam

A GRE Online Examination System for candidates applying for master's courses to schedule their exam. If the candidate faces any challenges while taking the exam or any queries regarding the system please contact us.

Assess with ease.

A GRE Online Examination Tool that allows for the swift, efficient and smooth conduction of exam.

3) <u>About Page</u>:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>About Us</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
    <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="stylesheet" type="text/css" href="static/css/aboutus.css">
  <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">

    <style>
        body {
                padding-top: 3.5rem;
        }
        nav {
        font-family: sans-serif;
        }
        .navbar-brand {
        font-size: 20px;
        font-family: Georgia, 'Times New Roman', Times, serif;
        }
    </style>

</head>
<body>
    <form id="form1">
        <header>
            <!--Navigation Bar-->
            <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
                <a class="navbar-brand" href="#"><b>GRE EXAMINATION SYSTEM</b></a>
                <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarCollapse">
```

```html
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item ">
                        <a class="nav-link" href="Index.html">Home</a>
                        </li>
                        <li class="nav-item dropdown">
                                <a class="nav-link dropdown-toggle" href="#"
id="dropdown03" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Login</a>
                                <div class="dropdown-menu" aria-
labelledby="dropdown03">
                                        <a class="dropdown-item"
href="Login.jsp">Student</a>
                                            <a class="dropdown-item"
href="Adminlogin.jsp">Admin</a>
                                </div>
                        </li>
                        <li class="nav-item">
                                    <a class="nav-link" href="Register.jsp">Sign
Up</a>
                                </li>
                    </ul>
                </div>
            </nav>
        </header>

        <main role="main">
                <div class="jumbotron">
                <div class="container">
                        <h1 class="display-4">About GRE</h1>
                        <p>The Graduate Record Examination, or GRE, is an important step in
the graduate school or business school application process. The GRE is a multiple-choice,
computer-based, standardized exam that is often required for admission to graduate programs and
graduate business programs (MBA) globally.</p>
                    </div>
                    </div>
                    <div class="container">
                    <div class="row">
                        <div class="col-md-4">
                                <h2>Admin</h2>
                                <p>If you are an admin login to your account to get all the
admin privalages.</p>
                                <p><a class="btn btn-secondary" href="Adminlogin.jsp"
role="button">Login &raquo;</a></p>
                            </div>
                            <div class="col-md-4">
                                <h2>Want to take the test??</h2>
                                <p>Register yourself or sign in if you are already a user and
start with your test!!!!</p>
                                <p><a class="btn btn-secondary" href="Register.jsp"
role="button">Get Started &raquo;</a></p>
                            </div>
                        </div>
                        <hr>
                        </div>
                </main>

            <footer class="container">
                    <p>&copy; gre. All Rights Reserved</p>
            </footer>
            <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
        <script>window.jQuery || document.write('<script
src="../assets/js/vendor/jquery.slim.min.js"><\/script>')</script><script
src="../assets/dist/js/bootstrap.bundle.js"></script>
    </form>
```
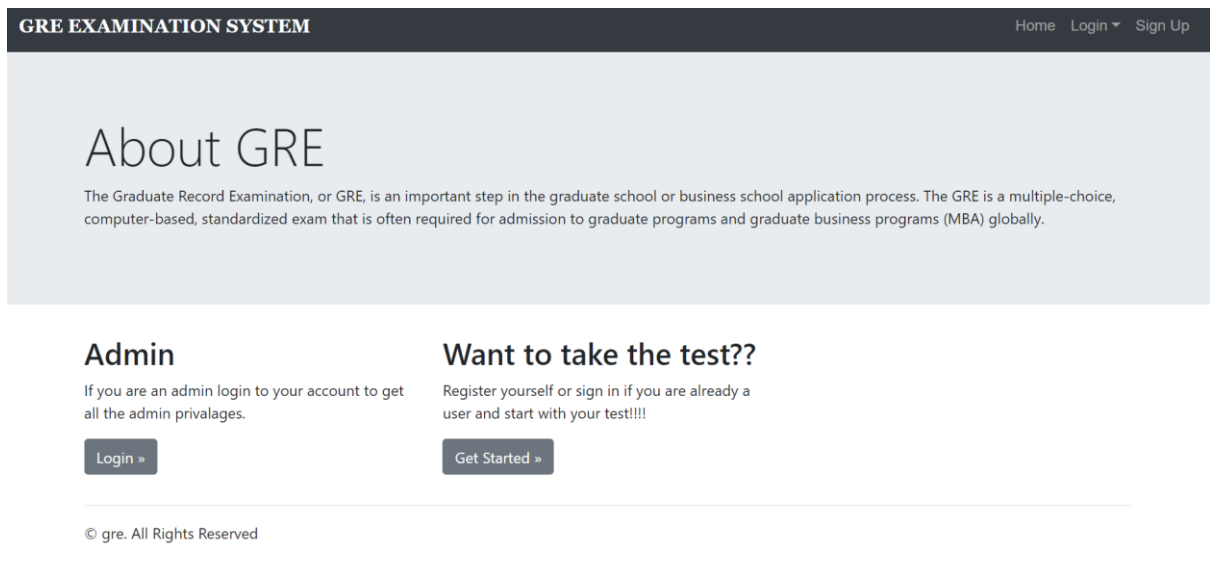
```
    </body>
        </html>
```


4) Signup page:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

        <title>Sign Up</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 15px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;
            }
```

```
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
                border-bottom-right-radius: 0;
                border-bottom-left-radius: 0;


            }
            #logreg-forms .form-signin input[type="password"] {
                border-top-left-radius: 0;
                border-top-right-radius: 0;
            }


            #logreg-forms a{
                display: block;
                padding-top:10px;
                color:grey;
            }


            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}

            /* Mobile */

            @media screen and (max-width:500px){
                #logreg-forms{
                    width:300px;
                }


            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="Register" method="post">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Student Sign
Up</h1>
            <hr>
            <input type="text" id="inputEmail" class="form-control" placeholder="First Name"
required autofocus name="fname" /><br>
             <input type="text" id="inputEmail" class="form-control" placeholder="Last Name"
required autofocus name="Lname" /><br>
             <input type="text" id="gender" class="form-control" placeholder="Gender" required
autofocus name="gender"/><br>
             <input type="number" id="age" class="form-control" placeholder="age" required
autofocus name="age"/><br>
             <input type="tel" id="phone" class="form-control"placeholder="Phone
Number"required autofocus name="phone" pattern="[0-9]{10}"/><br>
             <input type="address" id="address" class="form-control" placeholder="Address"
required autofocus name="address"/><br>
             <input type="password" id="inputPassword" class="form-control"
placeholder="Password" required name="pass" /><br>
             <input class="btn btn-success btn-block" type="submit" value="Register"
style="color:white;"><br/>
             <a href="Login.jsp" id="forgot_pswd">Already have an account? Sign In</a><br/>
             <h5 style="color:red; text-align: center;">${success}</h5>
             <hr>
        </form>
    </div>
    </body>
</html>
```

```java
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;

@WebServlet("/Register")
public class Register extends HttpServlet {
	private static final long serialVersionUID = 1L;

	protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
			response.setContentType("text/html");
			PrintWriter out = response.getWriter();

		String fname = request.getParameter("fname");
	String lname = request.getParameter("lname");
	String gender = request.getParameter("gender");
	String age = request.getParameter("age");
	String phone = request.getParameter("phone");
```

```java
        String address = request.getParameter("address");

        String pass = request.getParameter("pass");

        String
userId=fname.substring(0,2)+lname.substring(0,2).toUpperCase()+phone.substring(0,3);

        try {

            if(fname!=null) {

                String qr="select * from userdetails where `First Name`='"+fname+"' and `Last
Name`='"+lname+"' and PhoneNo='"+phone+"'and Address='"+address+"'";

                PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);


                ResultSet rs=ps.executeQuery();

                if(rs.next()) {

                    HttpSession hs = request.getSession();

                    hs.setAttribute("success", "Account already exists!!! Please Login.");

                    RequestDispatcher rd = request.getRequestDispatcher("Register.jsp");

                    rd.forward(request, response);

                }

                else{


                    String q="insert into userdetails values (?,?,?,?,?,?,?,?,?)";

                    PreparedStatement p=new
MyConnection().getConnection().prepareStatement(q);

                        p.setNString(1, userId);

                        p.setNString(2, pass);

                        p.setNString(3, fname);

                        p.setNString(4, lname);

                        p.setNString(5, age);

                        p.setNString(6, gender);

                        p.setNString(7, address);

                        p.setNString(8, phone);
```

```java
                p.setInt(9, 0);

                p.executeUpdate();

                String query="insert into logincredentials values (?,?,?)";
                PreparedStatement pre=new
MyConnection().getConnection().prepareStatement(query);
                pre.setString(1,"U");
                pre.setNString(2, userId);
                pre.setNString(3, pass);

                pre.executeUpdate();

                HttpSession hs = request.getSession();
                hs.setAttribute("success", "Registration Successfull!!! Your
UserID:"+userId);
                RequestDispatcher d = request.getRequestDispatcher("Register.jsp");
                d.forward(request, response);
            }
            rs.close();
            ps.close();
        }

    }catch(Exception e) {
     e.printStackTrace();
    }
     }


}
```

Student Sign Up

First Name

Last Name

Gender

age

Phone Number

Address

Password

Register

Already have an account? Sign In

5) <u>Login Page</u>:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">
        <title>Student Login</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
```

```css
                  }
                  #logreg-forms .form-control {
                  position: relative;
                  box-sizing: border-box;
                  height: auto;
                  padding: 10px;
                  font-size: 16px;
                  }
                  #logreg-forms .form-control:focus { z-index: 2; }
                  #logreg-forms .form-signin input[type="text"] {
                  margin-bottom: -1px;
                  border-bottom-right-radius: 0;
                  border-bottom-left-radius: 0;
                  }
                  #logreg-forms .form-signin input[type="password"] {
                  border-top-left-radius: 0;
                  border-top-right-radius: 0;
                  }
                  #logreg-forms a{
                  display: block;
                  padding-top:10px;
                  color:grey;
                  }
                  #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

                  #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

                  #logreg-forms .form-signup input { margin-bottom: 2px;}

/* Mobile */

                  @media screen and (max-width:500px){
      #logreg-forms{
                  width:300px;
      }
                  }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms">
              <form class="form-signin" action="Login" method="get">
              <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Login</h1>
              <hr/>
              <input type="text" class="form-control" placeholder="UserID" required autofocus
name="userid" />
              <input type="password" class="form-control" placeholder="Password" required
name="pass" /><br>
              <input class="btn btn-success btn-block" type="submit" value="Login"
style="color:white;"><br/>
              <a href="Register.jsp" id="forgot_pswd">Don't have an account? Sign Up</a><br/>
              <h5 style="color:red; text-align: center;">${loginU}</h5>
              <hr/>
              </form>
        </div>
    </body>
      </html>
```

package com.servlet;

import java.io.IOException;

import java.io.PrintWriter;

```java
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


import com.DBConnection.MyConnection;


@WebServlet("/Login")
public class Login extends HttpServlet {

    private static final long serialVersionUID = 1L;

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();

        String userID = request.getParameter("userid");
        String pass = request.getParameter("pass");

        try {
          if(userID!=null) {
```

```java
            String qr="select * from logincredentials where UserType='U' and
UserID='"+userID+"' and Password='"+pass+"'";
            PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);


            ResultSet rs=ps.executeQuery();


            if(rs.next()){
                String q="select * from userdetails where UserID='"+userID+"' and
Password='"+pass+"'";
                PreparedStatement p=new
MyConnection().getConnection().prepareStatement(q);
            ResultSet r=p.executeQuery();
                HttpSession hs = request.getSession();
                hs.setAttribute("uId", userID);
                if(r.next()) {
                    hs.setAttribute("name", r.getString("First Name"));
                }
                String query="update userdetails set loginstatus='"+1+"' where
UserID='"+userID+"' and Password='"+pass+"'";


                PreparedStatement pr=new
MyConnection().getConnection().prepareStatement(query);
            pr.executeUpdate();


                RequestDispatcher rd = request.getRequestDispatcher("UserHome.jsp");
                rd.forward(request, response);


                r.close();
                p.close();
                pr.close();
            }
```

```
            else{

                    HttpSession hs = request.getSession();

                    hs.setAttribute("loginU", "User Credentials Incorrect");

                    RequestDispatcher d = request.getRequestDispatcher("Login.jsp");

                    d.forward(request, response);

            }

            rs.close();

            ps.close();

        }


    }catch(Exception e) {

     e.printStackTrace();

    }

  }

}
```

Login

UserID

Password

Login

Don't have an account? Sign Up

6) <u>User Home Page</u>:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>User Home Page</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
```

```html
      <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
      <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">
    <style>
        body {
            padding-top: 3.5rem;
            }

            nav {
            font-family: sans-serif;
            }
            .navbar-brand {
            font-size: 20px;
            font-family: Georgia, 'Times New Roman', Times, serif;
            }
    </style>
</head>
<body>

            <%
            response.setHeader("Cache-Control", "no-store, no-cache, must-revalidate");
      %>
      <form method="get">
            <!--Navigation Bar-->
            <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
                <a class="navbar-brand" href="#"><b>GRE ONLINE EXAMINATION </b></a>
                <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarCollapse">
                    <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                                    <a class="nav-link" href="ViewResult.jsp">View
Result</a>
                        </li>
                        <li class="nav-item">
                                    <a class="nav-link" href="ChangePasswordU.jsp">Change
Password</a>
                        </li>
                        <li class="nav-item">
                                    <a class="nav-link" href="Logout">Logout</a>
                        </li>
                    </ul>
                </div>
            </nav>
        <main role="main">
            <div class="jumbotron">
             <div class="container">
                    <h1 class="display-4">Welcome ${name}</h1>
                    <h2>User Id: ${uId}</h2>
                    <p>Welcome to GRE Online Exam!</p>
                    <p>Test your knowledge by taking GRE Test!!</p>
                    <p>Register for a test or if already registered take the exam.</p>

            </div>
                    </div>
                    <div class="container">
                  <div class="row">
                    <div class="col-md-4">
                        <h2>Register For GRE Test</h2>
                        <p>If you have'nt already registered for GRE test, register now.</p>
                        <p><a class="btn btn-secondary" href="ExamRegister0.jsp"
role="button">Register &raquo;</a></p>
```

```html
                </div>
                <div class="col-md-4">
                    <h2>Take Test</h2>
                    <p>If you have already registered for the exam then start the test.</p>
                    <p><a class="btn btn-secondary" href="Confirmation.jsp"
role="button">Start Test &raquo;</a></p>
                </div>
            </div>
            <hr>
        </div>
    </main>

    <footer class="container">
            <p>&copy; gre. All Rights Reserved</p>
    </footer>
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script>window.jQuery || document.write('<script
src="../assets/js/vendor/jquery.slim.min.js"><\/script>')</script><script
src="../assets/dist/js/bootstrap.bundle.js"></script>
    </form>
</body>
    </html>
```

7) Exam Register Pages:

```html
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
        <title>Exam Registration</title>
        <style>
```

```css
#logreg-forms{
    width:412px;
    margin:10vh auto;
    background-color:#f3f3f3;
    box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
    transition: all 0.3s cubic-bezier(.25,.8,.25,1);
}
#logreg-forms form {
    width: 100%;
    max-width: 410px;
    padding: 15px;
    margin: auto;
}
#logreg-forms .form-control {
    position: relative;
    box-sizing: border-box;
    height: auto;
    padding: 10px;
    font-size: 16px;

}
#logreg-forms .form-control:focus { z-index: 2; }
#logreg-forms .form-signin input[type="text"] {
    margin-bottom: -1px;
    border-bottom-right-radius: 0;
    border-bottom-left-radius: 0;
}
#logreg-forms .form-signin input[type="password"] {
    border-top-left-radius: 0;
    border-top-right-radius: 0;
}
#logreg-forms a{
    display: block;
    padding-top:10px;
    color:grey;
}
#logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
#logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
#logreg-forms .form-signup input { margin-bottom: 2px;}
/* Mobile */
@media screen and (max-width:500px){
    #logreg-forms{
        width:300px;
    }
}
</style>
    <script type="text/javascript">

            function populate(s1,s2){
                    var s1=document.getElementById(s1);
                    var s2=document.getElementById(s2);
                    s2.innerHTML="";
                    if(s1.value == "General"){
                            var optionArr=["|----Category Id----","G001|G001-Aptitude"];
                            for(var option in optionArr){
                                    var pair =optionArr[option].split("|");
                                    var newoption=document.createElement("option");
                                    newoption.value=pair[0];
                                    newoption.innerHTML=pair[1];
                                    s2.options.add(newoption);
                            }
                    }
                    else{
                            var optionArr=["|----Category Id----","S001|S001-
Maths","S002|S002-Physics","S003|S003-Chemistry","S004|S004-Physcology","S005|S005-English"];
```

```
                        for(var option in optionArr){
                                var pair =optionArr[option].split("|");
                                var newoption=document.createElement("option");
                                newoption.value=pair[0];
                                newoption.innerHTML=pair[1];
                                s2.options.add(newoption);
                        }
                }


        }
    </script>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="ExamRegister0" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Exam Registration
Form</h1>
            <hr>
            <input type="text" id="inputEmail" class="form-control" placeholder="UserID"
name="uid" value=${uId} ><br/>

            <select class="form-control" required name="Category Name" id="CategoryName"
onclick="populate('CategoryName','CategoryId')">
                <option value="" selected class="form-control">----Category Name----</option>
                <option value="General">General</option>
                <option value="Subject">Subject</option>
        </select><br/>

            <select class="form-control" required name="Category Id" id="CategoryId">
        </select><br/>

                    <input class="btn btn-success btn-block" type="submit" value="Next"
style="color:white;"><br/>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center;">Back To
Profile</a><br/>
            <h5 style="color:red; text-align: center;">${examreg}</h5>
            <hr>
        </form>
        </div>


    </body>
</html>
```

package com.servlet;

import java.io.IOException;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

```java
import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


import com.DBConnection.MyConnection;


@WebServlet("/ExamRegister0")
public class ExamRegister0 extends HttpServlet {
    private static final long serialVersionUID = 1L;


    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


        String catId=request.getParameter("Category Id");

        String uid=request.getParameter("uid");


        String q="select * from categorydetails where CategoryID='"+catId+"'";

        String qu="select * from greinformation where UserID='"+uid+"' and
TestTaken='0'";

        String query="select * from greinformation where UserID='"+uid+"'";

        try {

            PreparedStatement pu=new
MyConnection().getConnection().prepareStatement(qu);

            ResultSet rs=pu.executeQuery();

            if(rs.next()) {

                HttpSession hs = request.getSession();

        hs.setAttribute("examreg","Already Registered!!Please take that test first.");

        RequestDispatcher rd = request.getRequestDispatcher("ExamRegister0.jsp");

        rd.forward(request, response);

            }
```
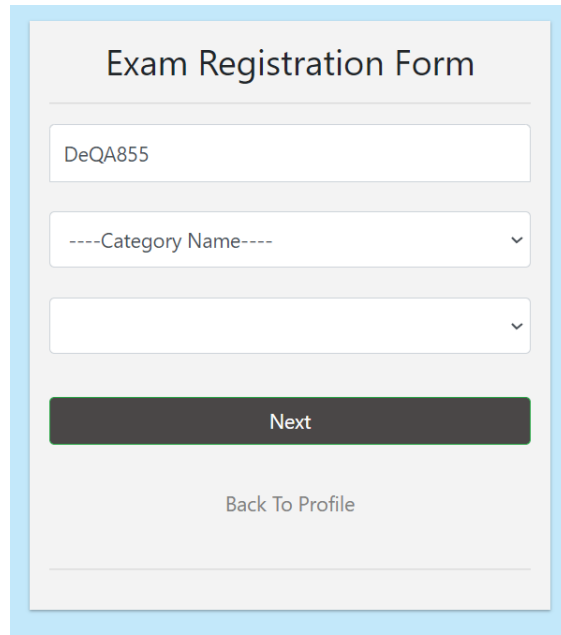
```java
else {
    PreparedStatement pr=new MyConnection().getConnection().prepareStatement(query);
    ResultSet re=pr.executeQuery();
    if(re.next() && re.getInt(5)==5) {
        HttpSession hs = request.getSession();
        hs.setAttribute("examreg","You have already registered 5 times. Try next year!!!");
        RequestDispatcher rd = request.getRequestDispatcher("ExamRegister0.jsp");
        rd.forward(request, response);
    }
    else {
        PreparedStatement p=new MyConnection().getConnection().prepareStatement(q);
        ResultSet r=p.executeQuery();
        if(r.next()) {
            HttpSession hs = request.getSession();
            hs.setAttribute("uid", uid);
            hs.setAttribute("pid",catId);
            hs.setAttribute("p",r.getString(3));
            hs.setAttribute("noq", r.getString(4)+"ques");
            hs.setAttribute("ed", r.getString(5).substring(0,2)+"hour");
            hs.setAttribute("ef",r.getString(6));
            RequestDispatcher rd = request.getRequestDispatcher("ExamRegister.jsp");
            rd.forward(request, response);
        }
    }
}
} catch (SQLException e) {
    e.printStackTrace();
```

```
                    }
            }
    }
```

Exam Registration Form

```
DeQA855
```

```
----Category Name----          ⌄
```

```
                               ⌄
```

Next

Back To Profile

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
        <title>Exam Registration</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 15px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;
```
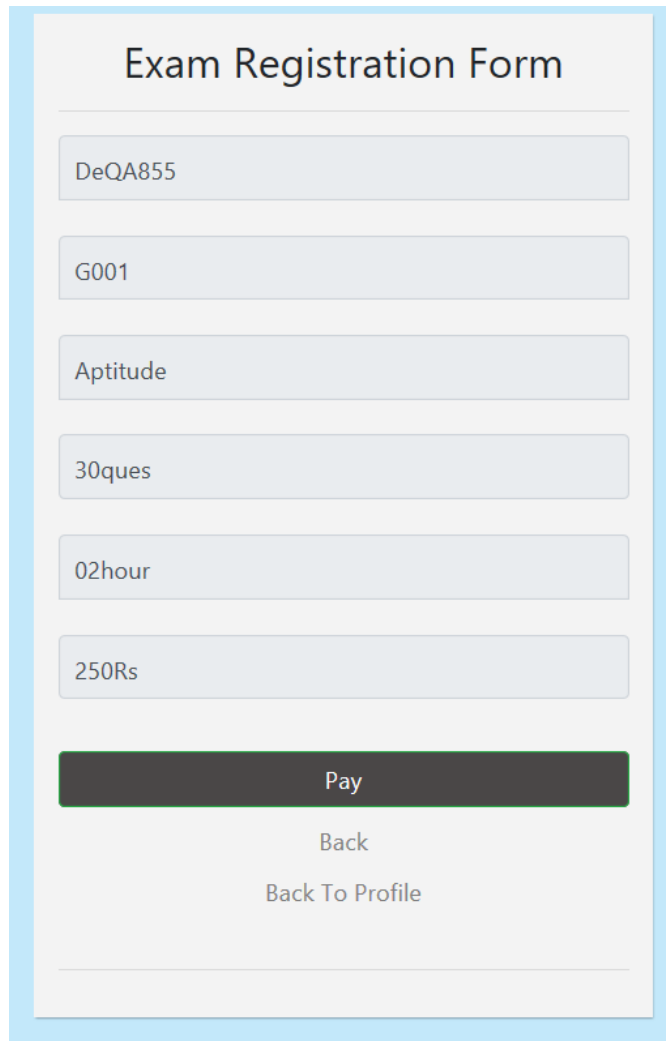
```
                }
                #logreg-forms .form-control:focus { z-index: 2; }
                #logreg-forms .form-signin input[type="text"] {
                    margin-bottom: -1px;
                    border-bottom-right-radius: 0;
                    border-bottom-left-radius: 0;
                }
                #logreg-forms .form-signin input[type="password"] {
                    border-top-left-radius: 0;
                    border-top-right-radius: 0;
                }
                #logreg-forms a{
                    display: block;
                    padding-top:10px;
                    color:grey;
                }
                #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
                #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
                #logreg-forms .form-signup input { margin-bottom: 2px;}
                /* Mobile */
                @media screen and (max-width:500px){
                    #logreg-forms{
                        width:300px;
                    }
                }
            }
    </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="Payment.jsp" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Exam Registration
Form</h1>
            <hr>
            <input type="text" class="form-control" placeholder="UserID" name="uid" readonly
value=${uId} ><br/>
            <input type="text" class="form-control" placeholder="PpaerID" name="paperid"
readonly value=${pid} ><br/>
            <input type="text" class="form-control" placeholder="Paper Name" name="papername"
readonly value=${p} ><br/>
            <input type="number" name="name" placeholder="No of Ques" class="form-control"
readonly value=${noq} > <br/>
             <input type="text" class="form-control" placeholder="Exam Duration"
name="duration" readonly value=${ed} ><br/>
             <input type="number" name="name" placeholder="Exam Fare" class="form-control"
readonly value=${ef}Rs ><br/>
                    <input class="btn btn-success btn-block" type="submit" value="Pay"
style="color:white;">
                    <a href="ExamRegister0.jsp" id="forgot_pswd"  style="text-align:
center;">Back</a>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center;">Back To
Profile</a><br/>
            <hr>
        </form>
        </div>
    </body>
</html>
```

Exam Registration Form

DeQA855

G001

Aptitude

30ques

02hour

250Rs

Pay

Back

Back To Profile

8) Payment Page:

HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Payment Form</title>
    <link rel="stylesheet" href="Payment.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap"
rel="stylesheet">
</head>
<body>
    <%
      response.setHeader("Cache-Control", "no-store, no-cache");
    %>
    <form action="PaymentConfirm" method="get">
    <div class="container">
        <h1>PAYMENT</h1>
        <div class="first-row">
            <div class="owner">
                <h3>Card Holder's Name</h3>
                <div class="input-field">
                    <input type="text" id="card holder name"required autofocus>
                </div>
            </div>
            <div class="cvv">
```

```html
                <h3>CVV</h3>
                <div class="input-field">
                    <input type="password" id="cvv" placeholder="000" pattern="[0-9]{3}"
minlength="3" maxlength="3" required>
                </div>
            </div>
        </div>
        <div class="second-row">
            <div class="card-number">
                <h3>Card Number</h3>
                <div class="input-field" >
                    <input type="text" id="card number" name="ccnum" placeholder="1234-1234-
1234-1234" minlength="16" maxlength="16" pattern="[0-9]{16}"  required>
                </div>
                </div>
            <div class="pay">
             <h3>Payment</h3>
                <div class="input-field">
                    <input type="text" readonly value=${ef}>
                </div>
            </div>
            </div>

        <div class="third-row">
            <h3>Validity Upto</h3>
            <div class="selection">
                <div class="date">
                    <select name="months" id="months">
                        <option value="May">May</option>
                        <option value="Jun">Jun</option>
                        <option value="Jul">Jul</option>
                        <option value="Aug">Aug</option>
                        <option value="Sep">Sep</option>
                        <option value="Oct">Oct</option>
                        <option value="Nov">Nov</option>
                        <option value="Dec">Dec</option>
                    </select>
                    <select name="years" id="years">
                        <option value="2033">2033</option>
                        <option value="2032">2032</option>
                        <option value="2031">2031</option>
                        <option value="2030">2030</option>
                        <option value="2029">2029</option>
                        <option value="2028">2028</option>
                        <option value="2027">2027</option>
                        <option value="2026">2026</option>
                        <option value="2025">2025</option>
                        <option value="2024">2024</option>
                        <option value="2023">2023</option>
                        <option value="2022">2022</option>

                    </select>
                </div>
                <div class="cards">
                    <img src="images/MasterCard.jpeg" alt="master card logo">
                    <img src="images/visa.jpeg" alt="visa card logo">
                    <img src="images/rupay.jpg" alt="rupay card logo" class="rupay">
                </div>
            </div>
        </div>
        <input class="button" type="submit" value="Pay" style="color:white;">
    </div>
    </form>
</body>
    </html>
```

CSS:

```css
@charset "ISO-8859-1";

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}

body{
    width: 100%;
    height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
    background-color: azure;
}

.container{
    width: 750px;
    height: 500px;
    border: 1px solid;
    background-color: white;
    display: flex;
    flex-direction: column;
    padding: 40px;
    justify-content:space-around;
}

.container h1{
    text-align: center;
}

.first-row{
    display: flex;
}
.second-row{
    display: flex;
}
.owner{
    width: 100%;
    margin-right: 40px;
}
.card-number{
    width: 100%;
    margin-right: 40px;
}

.input-field{
    border: 1px solid #999;
}

.input-field input{
    width: 100%;
    border:none;
    outline: none;
    padding: 10px;
}

.selection{
    display: flex;
    justify-content: space-between;
    align-items: center;
```

```css
}

.selection select{
    padding: 10px 20px;
}

.button{
    background-color: blueviolet;
    color: white;
    text-align: center;
    text-transform: uppercase;
    text-decoration: none;
    padding: 10px;
    font-size: 18px;
    transition: 0.5s;
}

a:hover{
    background-color: dodgerblue;
}

.cards img{
    width: 100px;
}
.cards .rupay{
    width:105px;
}

@media screen and (max-width: 600px){
    .cards img{
    width: 50px;
    }
    .cards .rupay{
    width:55px;
}
}
@media screen and (max-width: 495px){
    .container{
        width:100%;
        height:100%;
        border: none;;
    }
    body h1{
        font-size:30px;
        margin-bottom:20px;
    }
    body h3{
        font-size:17px;
    }
    .first-row{
        display:block;
    }
    .first-row .owner h3{
        margin-bottom:5px;
        font-weight:normal;
    }
    .cvv h3{
        font-weight:normal;
    }
    .card-number h3{
        font-weight:normal;
    }
    .pay h3{
        font-weight:normal;
    }
```

```css
        .third-row h3{
                font-weight:normal;
                margin-bottom:5px;
        }
        .third-row{
                margin-top:15px;
        }
        .selection{
                display:block;
        }
        .date{
                margin-bottom:20px;
        }
        .first-row .owner .input-field{
                margin-bottom:20px;
        }

}
@media screen and (max-width: 370px){
        .second-row{
                display:block;
        }
        .card-number{
                margin-bottom:15px;
        }
}
@media screen and (max-width: 335px){
        .container{
                padding:15px;
                padding-top:30px;
        }
        body h1{
                text-align:none;
                font-size:25px;
                width:100%;
        }
        body h3{
                font-size:15px;
        }

}
```

```java
package com.servlet;

import java.io.IOException;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
```

```java
import com.DBConnection.MyConnection;

@WebServlet("/PaymentConfirm")
public class PaymentConfirm extends HttpServlet {
        private static final long serialVersionUID = 1L;

        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

                HttpSession hs = request.getSession();
                String cardnum=request.getParameter("ccnum");
                String balance="0";
                String month=request.getParameter("months");
                String year=request.getParameter("years");
                String validity=month+"/"+year;
                String pid=(String)hs.getAttribute("pid");
                String uid=(String)hs.getAttribute("uId");
                String amount=(String)hs.getAttribute("ef");

                StringBuilder stringBuildervarible = new StringBuilder();
        stringBuildervarible.append(uid);
        String GreID=new String(stringBuildervarible.reverse().append(pid));

                LocalDateTime myDateObj = LocalDateTime.now();
                DateTimeFormatter myFormatObj =
DateTimeFormatter.ofPattern("dd/MM/yyyy HH:mm:ss");
                String formattedDate = myDateObj.format(myFormatObj);
                String q="insert into creditcarddetails values (?,?,?)";


                try {
                        PreparedStatement p=new
MyConnection().getConnection().prepareStatement(q);
                        p.setString(1, cardnum);
                        p.setString(2, validity);
                        p.setString(3, balance);
                        p.executeUpdate();


                        String qu="select * from greinformation where UserID='"+uid+"'";
                        PreparedStatement ps=new
MyConnection().getConnection().prepareStatement(qu);
                        ResultSet r=ps.executeQuery();
                        if(r.next()) {

                                String rcount=String.valueOf(r.getInt(5)+1);
```

```java
                    String query="update greinformation set Score='0',Scheduled='0' ,
GRERegistrationID='"+GreID+"',CategoryID='"+pid+"', RegistrationCount='"+rcount+"',
TestTaken='0' where UserID='"+uid+"' ";
                    PreparedStatement prep=new
MyConnection().getConnection().prepareStatement(query);

                    prep.executeUpdate();
                    hs.setAttribute("ccnum", cardnum);
            hs.setAttribute("amount", amount);
            hs.setAttribute("paydatetime",formattedDate);
            hs.setAttribute("examreg","Your GRERegistrationID is "+GreID);
            RequestDispatcher rd = request.getRequestDispatcher("PaymentConfirm.jsp");
            rd.forward(request, response);


            }
            else {
                    String que="insert into greinformation values (?,?,?,?,?,?,?)";
                    PreparedStatement pst=new
MyConnection().getConnection().prepareStatement(que);
                    pst.setString(1, uid);
                    pst.setString(2,pid);
                    pst.setString(3,GreID);
                    pst.setString(4,"0");
                    pst.setString(5,"1");
                    pst.setString(6,"0");
                    pst.setString(7,"0");
                    pst.executeUpdate();

                    hs.setAttribute("ccnum", cardnum);
            hs.setAttribute("amount", amount);
            hs.setAttribute("paydatetime",formattedDate);
            hs.setAttribute("examreg","Your GRERegistrationID is "+GreID);
            RequestDispatcher rd = request.getRequestDispatcher("PaymentConfirm.jsp");
            rd.forward(request, response);
                }

            } catch (SQLException e) {
                    e.printStackTrace();
            }


        }
}
```

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
	<meta charset="utf-8">
	<meta name="viewport" content="width=device-width, initial-scale=1">
	<link rel="preconnect" href="https://fonts.gstatic.com">
	<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap" rel="stylesheet">
	<link rel="stylesheet" type="text/css" href="PaymentConfirm.css">
	<title>Payment Confirmation</title>
</head>
<body style="background:#c3e8fa">
<div class="container" >
	<img src="images/check.jpeg">
	<div class="head"><h1 style="color: green;">Payment Complete</h1></div>
	<div class="mssg"><p>Thank you, your payment has been successful</p></div>
	<div>
		<h3>Payment Details:</h3>
		<p>Credit Card Number: ${ccnum}<br>
		Amount:${amount}<br>
		Paid to: GRE Portal
		</p>
		<div class="final"><p>Date and Time:${paydatetime}</p></div>
	</div><hr>
	<div class="back">
		<h4><a style="color:black;" href="ExamRegister0.jsp">GO BACK</a></h4>
	</div>
</div>
</body>
</html>
*{
    margin: 0;
    padding: 0;
    outline: none;
    box-sizzing: border-box;
    font-family: 'Poppins',sans-serif;
}
body{
    min-height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
    font-weight: 450;
    background: azure;
```
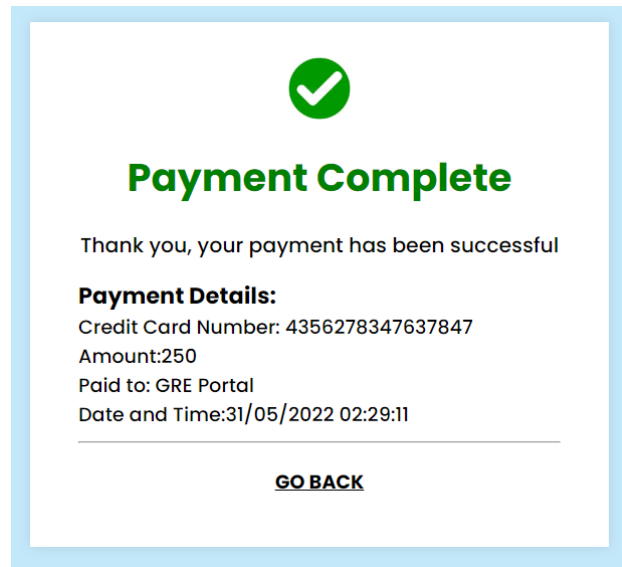
```css
}
.container{
    margin-top:70px;
    background: #fff;
    width:400px;
    max-width: 800px;
    padding: 25px 40px 10px 40px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    height: 400px;
}
img{
    display:block;
    width: 15%;
    margin:auto;
}
.container .head{
    margin: 20px;
}
.container .mssg ,.head,a{
    display: flex;
    justify-content: center;
}
.mssg{
    font-size:17px;
    margin-bottom:15px;
}
.container .final{
    justify-content: center;
    margin-bottom:10px;
}
.container .back{
    margin-top: 20px;
}
@media screen and (max-width:473px){
    .container{
        padding:10px;
    }
    h1{
        font-size:20px;
    }
    h3{
        font-size:15px;
    }
    p{
        font-size:15px;
    }
    .mssg{
        display:block;
        margin-bottom:6px;
    }
}
@media screen and (max-width:328px){
    h1{
        font-size:17px;
    }
    h3{
        font-size:13px;
    }
    p{
        font-size:13px;
    }
    .container{
        padding:5px;
        margin-top:120px;
        height:320px;
```

```
        }
}
```


Payment Complete

Thank you, your payment has been successful

Payment Details:
Credit Card Number: 4356278347637847
Amount:250
Paid to: GRE Portal
Date and Time:31/05/2022 02:29:11

GO BACK

9) Exam Pages:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

        <title>Exam Screen</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
            }
            #logreg-forms .form-control {
            position: relative;
            box-sizing: border-box;
            height: auto;
            padding: 10px;
            margin-bottom:15px;
            font-size: 16px;
            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
            margin-bottom: -1px;
            border-bottom-right-radius: 0;
```

```css
            border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
            }
            #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}

            /* Mobile */

            @media screen and (max-width:500px){
            #logreg-forms{
                width:300px;
            }
            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms">
        <form class="form-signin" action="Confirmation" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Start Exam</h1>
            <hr/>
            <input type="text" class="form-control" placeholder="GRERegistrationID" required
name="regid" />
            <input class="btn btn-success btn-block" type="submit" value="Login"
style="color:white;"><br/>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center;">Back to
profile</a><br/>
            <h5 style="color:red; text-align: center;">${con}</h5>
            <hr/>
        </form>
    </div>
    </body>
        </html>
package com.servlet;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Time;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.DBConnection.MyConnection;
```

```java
@WebServlet("/Confirmation")
public class Confirmation extends HttpServlet {

        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                response.setContentType("text/html");
                PrintWriter out = response.getWriter();

        String RegID = request.getParameter("regid");

        try {
         if(RegID!=null) {
                String qr="select * from greinformation where
GRERegistrationID='"+RegID+"'";
                String q="select * from scheduledetails where ExamID='"+RegID+"'";
                PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);
                PreparedStatement p =new
MyConnection().getConnection().prepareStatement(q);

                ResultSet rs=ps.executeQuery();
                ResultSet r=p.executeQuery();

                if(rs.next()) {
                        if(rs.getInt(6)==1) {
                                HttpSession hs = request.getSession();
                                hs.setAttribute("con", "Already took the test!!!");
                                RequestDispatcher rd =
request.getRequestDispatcher("Confirmation.jsp");
                                rd.forward(request, response);
                                }
                        else {
                                if(r.next()){

                                DateFormat dF = new SimpleDateFormat("yyyy-MM-dd");
                                String examdate=r.getString(3).substring(0,10);

                        java.util.Date da=new java.util.Date();
                        java.sql.Date todaysdate=new java.sql.Date(da.getTime());
                        String tDate = dF.format(todaysdate);

                        String catid=r.getString(2);
                        String query="select * from categorydetails where
CategoryID='"+catid+"'";
                        PreparedStatement pre=new
MyConnection().getConnection().prepareStatement(query);
```

```java
			ResultSet res=pre.executeQuery();

			if(tDate.equals(examdate) && res.next()) {
				String selectedexam=res.getString(3);
				String catId=rs.getString(2);
				HttpSession hs = request.getSession();
				hs.setAttribute("selectedexam",selectedexam);
				hs.setAttribute("catId",catId);
				String qe="update greinformation set TestTaken='"+1+"' where
GRERegistrationID='"+RegID+"'";
				PreparedStatement pe=new
MyConnection().getConnection().prepareStatement(qe);
				pe.executeUpdate();
				RequestDispatcher rd =
request.getRequestDispatcher("Exam.jsp");
				rd.forward(request, response);
			}
			else {
				HttpSession hs = request.getSession();
				RequestDispatcher d =
request.getRequestDispatcher("Confirmation.jsp");
				hs.setAttribute("con", "Exam is Scheduled on "+examdate);
				d.forward(request, response);
			}
		}
		else{
			HttpSession hs = request.getSession();
			RequestDispatcher d =
request.getRequestDispatcher("Confirmation.jsp");
			hs.setAttribute("con", "Exam is not Scheduled yet. Please check it after
some time!!!");
			d.forward(request, response);
		}
			}

		}
		else {
			HttpSession hs = request.getSession();
			RequestDispatcher d =
request.getRequestDispatcher("Confirmation.jsp");
			hs.setAttribute("con", "GRE Registration ID Incorrect or Not Registered
for exam");
			d.forward(request, response);
		}
		rs.close();
		ps.close();
		r.close();
```

```
        p.close();
      }

    }catch(Exception e) {
     e.printStackTrace();
    }
     }
}
```



```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Exam Page</title>
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
        <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">
    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <style>
      .bd-placeholder-img {
        font-size: 1.125rem;
        text-anchor: middle;
        -webkit-user-select: none;
        -moz-user-select: none;
        -ms-user-select: none;
        user-select: none;
      }
      @media (min-width: 768px) {
       .bd-placeholder-img-lg {
          font-size: 3.5rem;
        }
      }
    nav {
        font-family: sans-serif;
    }
```

```
    .navbar-brand {
        font-size: 20px;
        font-family: Georgia, 'Times New Roman', Times, serif;
    }
    .center{
      text-align:center;
    }
    .instruction-box{
      border-style: solid;
      padding:10px;
    }
    </style>
</head>
    <c:set var="selectedexam" value="${param.selectedexam}" scope="session" />
    <body>
    <%
        response.setHeader("Cache-Control", "no-store, no-cache, must-revalidate");
    %>
        <header>
            <!--Navigation Bar-->
            <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
                <a class="navbar-brand" href="#"><b>GRE Exam</b></a>
                <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                    <span class="navbar-toggler-icon"></span>
                </button>
                    <div class="collapse navbar-collapse" id="navbarCollapse">
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                                <a class="nav-link"><b><span id="timer"
style="color:white;"></span></b></a>
                        </li>
                    </ul>
                </div>
            </nav>
        </header><br/>
        <sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
url="jdbc:mysql://localhost:3306/gre online test" user="root" password=""></sql:setDataSource>
        <sql:query dataSource="${db}" var="mcq">
            select * from questiondetails where CategoryID="${catId}";
        </sql:query>

        <br/><br/><br/>
        <form action="Evaluate" method="post">
        <div class="instruction-box">
        <h4>Instruction:</h4>
        <ul>
                <li>This is a timed test so make sure you finish your exam before the time
runs out.</li>
                <li>Make sure to click the submit button before the time is up otherwise
you answers wont be marked for evaluation.</li>
                <li>Do not press the back button,if you do so you wont be able to give the
test again and will be scored 0.</li>
            </ul>
            <h4 style="text-align:center;">All the best!!!!</h4>
        </div>
            <c:set var="questioncnt" value="0" />
            <c:forEach var="mcqexam" items="${mcq.rows}" >
                <c:set var="questioncnt" value="${questioncnt+1}" scope="page" />
                <ol id="${questioncnt}">
                    <h3><span>Q<c:out value="${questioncnt}"></c:out>. </span><c:out
value="${mcqexam.QuestionDescription}"></c:out></h3>
                        <input type="radio" name="${mcqexam.QuestionNo}"
value="${mcqexam.Choice1}" required> <c:out value="${mcqexam.Choice1}"></c:out><br>
```

```html
                    <input type="radio" name="${mcqexam.QuestionNo}"
value="${mcqexam.Choice2}" required> <c:out value="${mcqexam.Choice2}"></c:out><br>
                    <input type="radio" name="${mcqexam.QuestionNo}"
value="${mcqexam.Choice3}" required> <c:out value="${mcqexam.Choice3}"></c:out><br>
                    <input type="radio" name="${mcqexam.QuestionNo}"
value="${mcqexam.Choice4}" required> <c:out value="${mcqexam.Choice4}"></c:out><br>
                    <br>
                    </ol>
                    <br>
                </c:forEach>
            <div class="center">
            <button>Submit Exam</button>
            </div>
            <br><br>
        </form>
    </body>
    <script type="text/javascript">
        const startmin=120;
        let t=startmin*60;
        const timer = document.getElementById("timer");

        function countDown(){
            var min = Math.floor(t/60);
            let sec=t%60;
            if(t > 0){
                t--;
                sec=sec<10?'0'+sec:sec;
                timer.innerHTML = "Examinations ends in: "+min+":"+sec;
                setTimeout("countDown()", 1000)
            }else{
                window.location.href = "Logout";
            }
        }
        countDown();
    </script>
</html>
```


GRE Exam | Examinations ends in: 119:53

Instruction:
- This is a timed test so make sure you finish your exam before the time runs out.
- Make sure to click the submit button before the time is up otherwise you answers wont be marked for evaluation.
- Do not press the back button,if you do so you wont be able to give the test again and will be scored 0.

All the best!!!!

Q1. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the trai
- 120metres
- 180metres
- 324metres
- 150metres

Q2. The length of the bridge, which a train 130 metres long and travelling at 45 km/hr can cross in 30 s
- 200m
- 225m
- 245m
- 250m

Q3. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top
- 173m

The Examination Has Ended

Please Click on the 'Return Home' Button below to go back to home

Home

10)   Result Pages:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">

        <title>View Result</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
            }
            #logreg-forms .form-control {
            position: relative;
            box-sizing: border-box;
            height: auto;
            padding: 10px;
            margin-bottom:10px;
            margin-top:20px;
            font-size: 16px;
            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
            margin-bottom: -1px;
            border-bottom-right-radius: 0;
            border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
            }
            #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}
```

```html
            /* Mobile */

            @media screen and (max-width:500px){
            #logreg-forms{
                width:300px;
            }
            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms">
        <form class="form-signin" action="ViewResult" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Result</h1>
            <hr/>
            <h5 style="margin-top:30px;">To view Your Result Enter your GRE Registration
ID.</h5>
            <input type="text" class="form-control" placeholder="GRERegistrationID" required
name="regid" />
            <input class="btn btn-success btn-block" type="submit" value="Login"
style="color:white; margin-top:25px;"><br/>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center; ">Back to
profile</a><br/>
            <h5 style="color:red; text-align: center;">${vr}</h5>
            <hr/>
        </form>
    </div>
    </body>
</html>
```

```java
package com.servlet;


import java.io.IOException;

import java.io.PrintWriter;

import java.sql.PreparedStatement;

import java.sql.ResultSet;


import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


import com.DBConnection.MyConnection;
```

```java
@WebServlet("/ViewResult")
public class ViewResult extends HttpServlet {
    private static final long serialVersionUID = 1L;



    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();


    String RegID = request.getParameter("regid");


    try {
     if(RegID!=null) {
            String qr="select * from greinformation where
GRERegistrationID='"+RegID+"'";
            PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);


            ResultSet rs=ps.executeQuery();


            if(rs.next()){


                String q1="select * from greinformation where
GRERegistrationID='"+RegID+"' and TestTaken='1'";
            PreparedStatement p1=new
MyConnection().getConnection().prepareStatement(q1);


            ResultSet r1=p1.executeQuery();
            if(r1.next()) {
                String papername=null;
```

```java
String lname=null;
        String userId=rs.getString(1);
        String score=rs.getString(4);
        String catId=rs.getString(2);


        String query="select * from userdetails where UserID='"+userId+"'";
        String que="select * from categorydetails where
CategoryID='"+catId+"'";
        PreparedStatement p =new
MyConnection().getConnection().prepareStatement(que);
        PreparedStatement pst =new
MyConnection().getConnection().prepareStatement(query);
    ResultSet r=p.executeQuery();
    ResultSet re=pst.executeQuery();


    if(re.next()) {
        lname=re.getString(4);
    }
    if(r.next()) {
        papername=r.getString("PaperName");
    }



    HttpSession hs = request.getSession();
        hs.setAttribute("cID",catId);
        hs.setAttribute("pname", papername);
        hs.setAttribute("uId", userId);
        hs.setAttribute("score",score);
        hs.setAttribute("lname",lname);
        RequestDispatcher rd = request.getRequestDispatcher("Result.jsp");
        rd.forward(request, response);
```

```java
                }

        else {

                HttpSession hs = request.getSession();

                RequestDispatcher d = request.getRequestDispatcher("ViewResult.jsp");

                hs.setAttribute("vr", "Test not taken yet!!");

                d.forward(request, response);

        }


        }

        else{

                HttpSession hs = request.getSession();

                RequestDispatcher d = request.getRequestDispatcher("ViewResult.jsp");

                hs.setAttribute("vr", "GRE Registration ID Incorrect or Not registered
for the test");

                d.forward(request, response);

        }

        rs.close();

        ps.close();

    }


    }catch(Exception e) {

     e.printStackTrace();

    }

     }

}
```
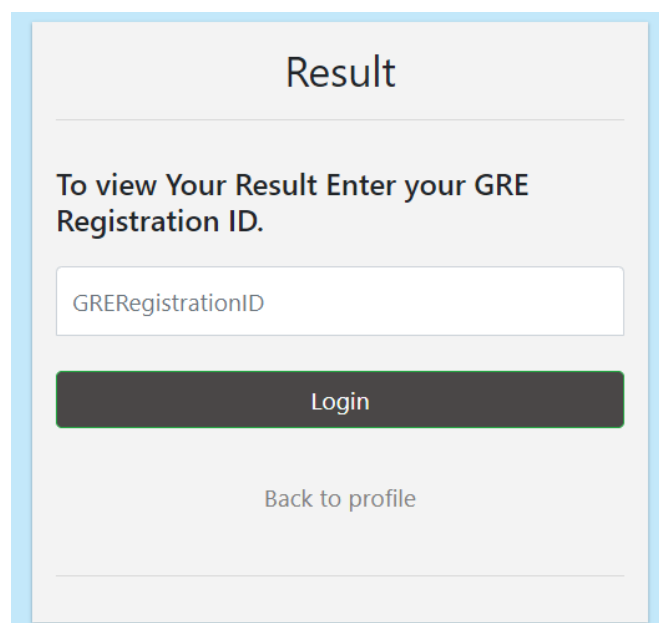
Result

To view Your Result Enter your GRE Registration ID.

GRERegistrationID

Login

Back to profile

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">

        <title>Result</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
            }
            #logreg-forms .form-control {
            position: relative;
            box-sizing: border-box;
            height: auto;
            padding: 10px;
            margin-bottom:15px;
            font-size: 16px;
            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
            margin-bottom: -1px;
            border-bottom-right-radius: 0;
            border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
            }
            #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}

            /* Mobile */

            @media screen and (max-width:500px){
            #logreg-forms{
                width:300px;
```

```
                }
                }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms">
        <form class="form-signin">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Result</h1>
            <hr/>
            <h5 style="color:Black; margin-bottom:20px;">Category ID:<p style="display:inline;
margin-left:30px;">${cID}</p></h5>
            <h5 style="color:Black; margin-bottom:20px;;">Paper:<p style="display:inline;
margin-left:85px;">${pname}</p></h5>
            <h5 style="color:Black; margin-bottom:20px;">Name:<p style="display:inline; margin-
left:80px;">${name} ${lname}</p></h5>
            <h5 style="color:Black; margin-bottom:20px;">UserID:<p style="display:inline;
margin-left:75px;">${uId}</p></h5>
            <h5 style="color:Black; margin-bottom:20px;">Score:<p style="display:inline;
margin-left:87px;">${score}</p></h5>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center;">Back to
profile</a><br/>

            <hr/>
        </form>
    </div>
    </body>
</html>
```

Result

Category ID:	G001
Paper:	Aptitude
Name:	Devesh Qanoungo
UserID:	DeQA855
Score:	9

Back to profile

11)   Change Password Page:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
```

```html
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
        <title>Reset Password</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
            }
            #logreg-forms .form-control {
            position: relative;
            box-sizing: border-box;
            height: auto;
            padding: 10px;
            font-size: 16px;
            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
            margin-bottom: -1px;
            border-bottom-right-radius: 0;
            border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
            }
            #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}

            /* Mobile */

            @media screen and (max-width:500px){
        #logreg-forms{
            width:300px;
        }
            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">

        <div id="logreg-forms">
        <form class="form-signin" action="ChangePasswordForStudent" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Password
Reset</h1>
            <hr/>
```

```html
            <input type="text" class="form-control" placeholder="UserID" required=""
name="userid" /><br>
            <input type="text" class="form-control" placeholder="Old Password" required=""
name="opass" /><br>
            <input type="text" class="form-control" placeholder="New Password" required=""
name="npass" /><br>
            <input type="text" class="form-control" placeholder="Confirm Password" required=""
name="cpass" /><br>
            <input class="btn btn-success btn-block" type="submit" value="Reset"
style="color:white;"><br/>
            <a href="UserHome.jsp" id="forgot_pswd"  style="text-align: center;">Back to
profile</a><br/>

            <h5 style="color:red; text-align: center;">${cpuser}</h5>
            <hr/>
        </form>
    </div>
    </body>
    </html>
```

```java
    package com.servlet;
    import java.io.IOException;
    import java.io.PrintWriter;
    import java.sql.PreparedStatement;
    import java.sql.ResultSet;
    import javax.servlet.RequestDispatcher;
    import javax.servlet.ServletException;
    import javax.servlet.annotation.WebServlet;
    import javax.servlet.http.HttpServlet;
    import javax.servlet.http.HttpServletRequest;
    import javax.servlet.http.HttpServletResponse;
    import javax.servlet.http.HttpSession;
    import com.DBConnection.MyConnection;

    @WebServlet("/ChangePasswordForStudent")
    public class ChangePasswordForStudent extends HttpServlet {
        private static final long serialVersionUID = 1L;
        protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
        String userID = request.getParameter("userid");
        String oldpass = request.getParameter("opass");
        String newp = request.getParameter("npass");
        String confirmp = request.getParameter("cpass");
        try {
          if(userID!=null) {
```

```java
			String qr="select * from logincredentials where UserType='U' and
UserID='"+userID+"' and Password='"+oldpass+"'";
			PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);
			ResultSet rs=ps.executeQuery();
			if(oldpass.equals(newp)) {
				HttpSession hs = request.getSession();
				RequestDispatcher d =
request.getRequestDispatcher("ChangePasswordU.jsp");
				hs.setAttribute("cpuser", "New password cannot be the same as
old password");
				d.forward(request, response);
			}
			else if(newp.equals(confirmp) && rs.next()){
				String q="update userdetails set Password='"+newp+"' where
UserID='"+userID+"' and Password='"+oldpass+"'";
				String qu="update logincredentials set Password='"+newp+"'
where UserType='U' and UserID='"+userID+"' and Password='"+oldpass+"'";

				PreparedStatement pr=new
MyConnection().getConnection().prepareStatement(q);
				PreparedStatement pre=new
MyConnection().getConnection().prepareStatement(qu);

				pre.executeUpdate();
			pr.executeUpdate();

			HttpSession hs = request.getSession();
				RequestDispatcher rd =
request.getRequestDispatcher("ChangePasswordU.jsp");
				hs.setAttribute("cpuser", "Password Changed Successfully");
				rd.forward(request, response);

				pr.close();
				pre.close();

			}
			else if(newp.equals(confirmp)==false && rs.next()){
				HttpSession hs = request.getSession();
				RequestDispatcher d =
request.getRequestDispatcher("ChangePasswordU.jsp");
				hs.setAttribute("cpuser", "New and Confirm Passwords does not
Match");
				d.forward(request, response);
```

```
            }
        else {
            HttpSession hs = request.getSession();
            RequestDispatcher d =
request.getRequestDispatcher("ChangePasswordU.jsp");
            hs.setAttribute("cpuser", "Either UserID is wrong or Old Password
is wrong");

            d.forward(request, response);
        }
        rs.close();
        ps.close();
     }

    }catch(Exception e) {
     e.printStackTrace();
    }
     }
    }
```


Password Reset

UserID

Old Password

New Password

Confirm Password

Reset

Back to profile

12)   Admin Login Page:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>
<!DOCTYPE html>
<html>
    <head>
```

```html
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <title>Admin Login</title>
<style>
    #logreg-forms{
        width:412px;
        margin:10vh auto;
        background-color:#f3f3f3;
        box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
        transition: all 0.3s cubic-bezier(.25,.8,.25,1);
        }
        #logreg-forms form {
            width: 100%;
        max-width: 410px;
        padding: 15px;
        margin: auto;
        }
        #logreg-forms .form-control {
        position: relative;
        box-sizing: border-box;
        height: auto;
        padding: 10px;
        font-size: 16px;
        }
        #logreg-forms .form-control:focus { z-index: 2; }
        #logreg-forms .form-signin input[type="text"] {
        margin-bottom: -1px;
        border-bottom-right-radius: 0;
        border-bottom-left-radius: 0;
        }
        #logreg-forms .form-signin input[type="password"] {
        border-top-left-radius: 0;
        border-top-right-radius: 0;
        }
        #logreg-forms a{
        display: block;
        padding-top:10px;
        color:grey;
        }
        #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

        #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

        #logreg-forms .form-signup input { margin-bottom: 2px;}


/* Mobile */

    @media screen and (max-width:500px){
    #logreg-forms{
        width:300px;
    }
    }

</style>
</head>
<body style="background-color:#c3e8fa;">
    <div id="logreg-forms">
        <form class="form-signin" action="Adminlogin" method="post">
```

```html
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Administrator
Sign In</h1>
            <hr/>
            <input type="text" class="form-control" placeholder="UserId" required autofocus
name="userid" />
            <input type="password" class="form-control" placeholder="Password" required
name="pass" /><br>
            <input class="btn btn-success btn-block" type="submit" value="Login"
style="color:white;"><br/>
            <h5 style="color:red; text-align: center;">${adminmsg}</h5>
            <hr/>
            </form>
        </div>
    </body>
        </html>
```

package com.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;

@WebServlet("/Adminlogin")

public class Adminlogin extends HttpServlet {

        private static final long serialVersionUID = 1L;

```java
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();


    String userID = request.getParameter("userid");
    String pass = request.getParameter("pass");


    try {
        if(userID!=null) {
            String qr="select * from logincredentials where UserType='A' and
UserID='"+userID+"' and Password='"+pass+"'";
            PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);


            ResultSet rs=ps.executeQuery();


            if(rs.next()){
                RequestDispatcher rd =
request.getRequestDispatcher("AdminHome.jsp");
                rd.forward(request, response);
            }
            else{
                HttpSession hs = request.getSession();
                RequestDispatcher d = request.getRequestDispatcher("Adminlogin.jsp");
                hs.setAttribute("adminmsg", "User Credentials Incorrect");
                d.forward(request, response);
            }
            rs.close();
            ps.close();
```
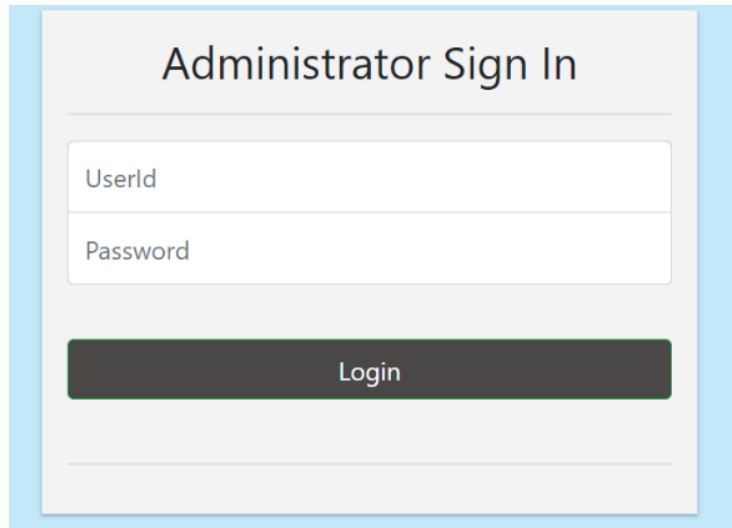
```
        }


    }catch(Exception e) {

     e.printStackTrace();

    }

  }
}
```


13)   Admin Home Page:

```jsp
<page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html lang="en">
<head>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <title>Admin Home</title>
      <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
      <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
      <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
      <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">
    <style>
        body {
            padding-top: 3.5rem;
            }
            nav {
            font-family: sans-serif;
            }
            .navbar-brand {
            font-size: 20px;
      font-family: Georgia, 'Times New Roman', Times, serif;
            }
    </style>

</head>
<body>
    <form method=get>
        <!--Navigation Bar-->
```

```html
<nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
    <a class="navbar-brand" href="#"><b> GRE EXAMINATION SYSTEM</b></a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarCollapse">
    <ul class="navbar-nav ml-auto">
        <li class="nav-item">
                <a class="nav-link" href="questions.jsp">Edit Paper</a>
            </li>
        <li class="nav-item">
            <a class="nav-link" href="ChangePasswordA.jsp">Change Password</a>
        </li>
        <li class="nav-item">
                <a class="nav-link" href="Logout">Logout</a>
        </li>
    </ul>
    </div>
    </nav>

<main role="main">
    <div class="jumbotron">
    <div class="container">
        <h1 class="display-4">Welcome Admin!</h1>
        <p>Welcome to GRE ONLINE EXAMINATION!</p>
    </div>
        </div>
    <div class="container">
    <div class="row">
        <div class="col-md-4">
            <h2>Schedule Exam.</h2>
            <p> Check out the students who have registered for the GRE exam and
schedule their exam, so that they can attempt it.</p>
            <p><a class="btn btn-secondary" href="ScheduleExam.jsp"
role="button">Schedule Exam &raquo;</a></p>
        </div>
        <div class="col-md-4">
            <h2>Check exam pattern?</h2>
            <p>Wanna make sure that the categories and question are set
properly??</p>
            <p><a class="btn btn-secondary" href="ViewCategoryandQues.jsp"
role="button">View Category/Ques &raquo;</a></p>
        </div>
    </div>
    <hr>
    </div>
    </main>

    <footer class="container">
        <p>&copy; GRE. All Rights Reserved</p>
    </footer>
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script>window.jQuery || document.write('<script
src="../assets/js/vendor/jquery.slim.min.js"><\/script>')</script><script
src="../assets/dist/js/bootstrap.bundle.js"></script>
    </form>
</body>
    </html>
```

Welcome Admin!

Welcome to GRE ONLINE EXAMINATION!

Schedule Exam.

Check out the students who have registered for the GRE exam and schedule their exam, so that they can attempt it.

Schedule Exam »

Check exam pattern?

Wanna make sure that the categories and question are set properly??

View Category/Ques »

© GRE. All Rights Reserved

14)   Schedule Exam Page:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">
        <title>Schedule Exam</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 15px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;

            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
                border-bottom-right-radius: 0;
```

```html
                border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
                border-top-left-radius: 0;
                border-top-right-radius: 0;
            }
            #logreg-forms a{
                display: block;
                padding-top:10px;
                color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
            #logreg-forms .form-signup input { margin-bottom: 2px;}
            /* Mobile */
            @media screen and (max-width:500px){
                #logreg-forms{
                    width:300px;
                }
            }
        }

    </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="ScheduleExam" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Schedule
Exam</h1>
            <hr>
            <select class="form-control" name="Student Name">
             <sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
url="jdbc:mysql://localhost:3306/gre online test" user="root" password=""></sql:setDataSource>
                    <sql:query dataSource="${db}" var="userIds">
                    select * from greinformation where Scheduled='0';
                    </sql:query>
                    <option value="">---select Gre Registration Id---</option>
                    <c:forEach var="uid" items="${userIds.rows}" >
                            <option
value="${uid.GRERegistrationID}">${uid.GRERegistrationID}</option>
                    </c:forEach>
                </select> <br>
                <input type="text" id="inputExamId" class="form-control" required
placeholder="DateOfExam(YYYY-MM-DD)" name="doe" pattern="[0-9]{4}-[0-1]{1}[0-9]-[0-9]{2}"
><br/>
                        <input class="btn btn-success btn-block" type="submit" value="Next"
required style="color:white;"><br/>
                <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back To
Profile</a><br/>
                <h5 style="color:red; text-align: center;">${scheduleexam}</h5>
                <hr>
        </form>
        </div>


    </body>
</html>
```

package com.servlet;

import java.io.IOException;

import java.io.PrintWriter;

```java
import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.time.LocalDate;

import java.time.Period;

import java.util.Enumeration;


import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


import com.DBConnection.MyConnection;


@WebServlet("/ScheduleExam")
public class ScheduleExam extends HttpServlet {
        private static final long serialVersionUID = 1L;


        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {


                response.setContentType("text/html");


    try{
      String greid= request.getParameter("Student Name");

      String dateofexam=request.getParameter("doe")+" "+"00:00:00";
```

```java
SimpleDateFormat dF = new SimpleDateFormat("yyyy-MM-dd 00:00:00");
java.util.Date tdate=new java.util.Date();

java.util.Date doe=dF.parse(dateofexam);
java.util.Date tDate = dF.parse(dF.format(tdate));


long difference_In_Time = doe.getTime() - tDate.getTime();
long difference_In_Days = (difference_In_Time / (1000 * 60 * 60 * 24)) % 365;
if(difference_In_Days<=3) {
        HttpSession session = request.getSession();
        session.setAttribute("scheduleexam", "Schedule the test at least 3 days after
today!!");
        RequestDispatcher rd = request.getRequestDispatcher("ScheduleExam.jsp");
        rd.forward(request, response);

}
else {
        String q="select * from greinformation where
GRERegistrationID='"+greid+"'";
        PreparedStatement p=new
MyConnection().getConnection().prepareStatement(q);
        ResultSet r=p.executeQuery();
        if(r.next()) {
                String query="insert into scheduledetails values (?,?,?)";
                PreparedStatement pre=new
MyConnection().getConnection().prepareStatement(query);
                pre.setString(1, greid);
                pre.setString(2, r.getString(2));
                pre.setString(3, dateofexam.substring(0,10));
                pre.executeUpdate();

                String qu="update greinformation set Scheduled='1' where
GRERegistrationID='"+greid+"'";
```

```
                    PreparedStatement pr=new
MyConnection().getConnection().prepareStatement(qu);

                    pr.executeUpdate();


                    HttpSession session = request.getSession();

                    session.setAttribute("scheduleexam", "Exam Scheduled");

            RequestDispatcher rd = request.getRequestDispatcher("ScheduleExam.jsp");

                    rd.forward(request, response);

                }


        }

    }catch(Exception e) {

      e.printStackTrace();

    }

        }
}
```

Schedule Exam

---select Gre Registration Id---

DateOfExam(YYYY-MM-DD)

Next

Back To Profile

15)   <u>View Ques/Category Page</u>:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
```

```html
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
        <title>View Category & Ques</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 15px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;


            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
                border-bottom-right-radius: 0;
                border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
                border-top-left-radius: 0;
                border-top-right-radius: 0;
            }
            #logreg-forms a{
                display: block;
                padding-top:10px;
                color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
            #logreg-forms .form-signup input { margin-bottom: 2px;}
            /* Mobile */
            @media screen and (max-width:500px){
                #logreg-forms{
                    width:300px;
                }
            }


    </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="ViewCategoryandQues" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Select
Category</h1>
            <hr>
            <select class="form-control" name="CategoryId">
                <option value="">---Select Category---</option>
```

```html
            <option value="G001">G001</option>
            <option value="S001">S001</option>
            <option value="S002">S002</option>
            <option value="S003">S003</option>
            <option value="S004">S004</option>
            <option value="S005">S005</option>
        </select> <br>
        <input class="btn btn-success btn-block" type="submit" value="Next"
style="color:white;"><br/>

            <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back To
Profile</a><br/>
            <hr>
        </form>
        </div>


    </body>
</html>
```

```java
package com.servlet;


import java.io.IOException;


import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;


@WebServlet("/ViewCategoryandQues")
public class ViewCategoryandQues extends HttpServlet {

    private static final long serialVersionUID = 1L;


    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

        String catid=request.getParameter("CategoryId");

        HttpSession hs = request.getSession();

        hs.setAttribute("catId",catid);
```
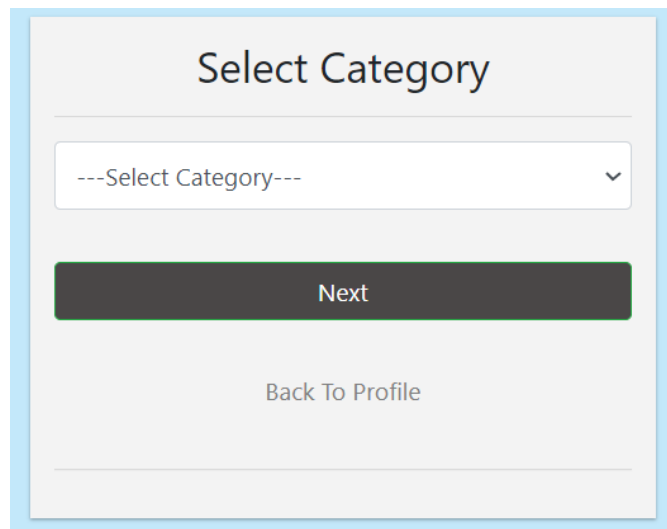
```java
                RequestDispatcher d = request.getRequestDispatcher("ViewQuestions.jsp");

                d.forward(request, response);

        }

}
```

Select Category

---Select Category---

Next

Back To Profile

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Exam Page</title>
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
        <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">
    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
     <style>
        body {
            padding-top: 3.5rem;
            }
            nav {
            font-family: sans-serif;
            }
            .navbar-brand {
            font-size: 20px;
            font-family: Georgia, 'Times New Roman', Times, serif;
            }
            .center {
                margin-left: auto;
                margin-right: auto;
            }
            table {
                width: 95%;
            }
            body {
            padding-top: 3.5rem;
```

```
                }
                nav {
                font-family: sans-serif;
                }
                .navbar-brand {
                font-size: 20px;
                font-family: Georgia, 'Times New Roman', Times, serif;
                }
                .container{
                        width: 100%;
                        text-align: center;
                }
                .container a{
                        color:grey;
                        margin-bottom:20px;
                        padding-bottom:20px;
                }

        </style>
</head>

    <c:set var="selectedexam" value="${param.selectedexam}" scope="session" />
    <body>
        <body>
        <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
            <a class="navbar-brand" href="#"><b> GRE EXAMINATION SYSTEM</b></a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarCollapse">
             <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                                <a class="nav-link" href="AdminHome.jsp">Home</a>
                        </li>
                    <li class="nav-item">
                                <a class="nav-link" href="">Edit Paper</a>
                        </li>
                    <li class="nav-item">
                            <a class="nav-link" href="ChangePasswordA.jsp">Change Password</a>
                        </li>
                    <li class="nav-item">
                                <a class="nav-link" href="Logout">Logout</a>
                        </li>
                </ul>
            </div>
            </nav>
        <h1 style="text-align: center;">${catId} Exam Set</h1><br/>
        <sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
url="jdbc:mysql://localhost:3306/gre online test" user="root" password=""/>
        <sql:query dataSource="${db}" var="res">
            SELECT * FROM questiondetails WHERE CategoryID="${catId}";
        </sql:query>

        <sql:query dataSource="${db}" var="ci">
            SELECT * FROM categorydetails WHERE CategoryID="${catId}";
        </sql:query>

         <table border="1" class="center">
            <tr>
                <th>Category Id</th>
                <th>Category Name</th>
                <th>Paper Name</th>
                <th>No of Questions</th>
```

```jsp
                <th>Duration of Exam</th>
                <th>Exam Fee</th>
            </tr>
            <c:forEach var="tb" items="${ci.rows}">
                <tr>
                    <td><c:out value="${tb.CategoryID}"/></td>
                    <td><c:out value="${tb.CategoryName}"/></td>
                    <td><c:out value="${tb.PaperName}"/></td>
                    <td><c:out value="${tb.NoOfQuestions}"/></td>
                    <td><c:out value="${tb.DurationOfExam}"/></td>
                    <td><c:out value="${tb.ExamFare}"/></td>
                </tr>
            </c:forEach>
        </table><br>
        <table border="1" class="center">
            <tr>
                <th>Question Description</th>
                <th>Choice 1</th>
                <th>Choice 2</th>
                <th>Choice 3</th>
                <th>Choice 4</th>
                <th>Answer</th>
            </tr>
            <c:forEach var="tbl" items="${res.rows}">
                <tr>
                    <td><c:out value="${tbl.QuestionDescription}"/></td>
                    <td><c:out value="${tbl.Choice1}"/></td>
                    <td><c:out value="${tbl.Choice2}"/></td>
                    <td><c:out value="${tbl.Choice3}"/></td>
                    <td><c:out value="${tbl.Choice4}"/></td>
                    <td><c:out value="${tbl.Answer}"/></td>
                </tr>
            </c:forEach>
        </table>
        <br><br>
        <div class="container">
            <a href="ViewCategoryandQues.jsp" id="forgot_pswd">Back</a><br/>
        </div>
    </body>
</html>
```

GRE EXAMINATION SYSTEM   Home   Edit Paper   Change Password   Logout

S002 Exam Set

Category Id	Category Name	Paper Name	No of Questions	Duration of Exam	Exam Fee
S002	Subject	Physics	30	02:00:00	350

Question Description	Choice 1	Choice 2	Choice 3	Choice 4	Answer
Which of the following is / are advantages of the Solar Energy in comparison to the traditional ener	Only 1 is correct	Only 1 & 2 are corre	Only 2 & 3 are corre	1, 2 & 3 are correct	Only 1 & 2 are corre
The alpha radiation is not used in radiotherapy because: [A] It is an ionizing radiation [B] It is	It is an ionizing ra	It is unable to pene	It is toxic to huma	It is not cost effec	It is unable to pene
If we look at the floating piece of iceberg on the sea, approximately what fraction of it is visible	1/8th	1/6th	1/10th	1/5th	1/8th
The pulling sensation when we stand near a running train can be explained on the basis of ___:	Archimedes Principle	Bernoulli?s law	Avogadro?s Hypothesi	Newton?s Third Law o	Bernoulli?s law
If the time taken in an echo is 5 seconds, which among the following will be the approximate distanc	1715 meters	1256 meters	857 meters	554 meters	857 meters
Consider the following physical quantities: 1.Speed 2.Velocity 3.Amplitude 4.Acceleration Which	Only 1 & 2 [	Only 2 & 3	Only 1 & 3	Only 2 & 4	Only 1 & 3
Speed of light will be maximum in which of the following mediums?	Water	Kerosene	Flint Glass	Diamond	Water
When two bodies, of different mass, are acted upon by the same force for the same time, then both bo	Same velocity	Same momentum	Same acceleration	All of the above	Same momentum
A container is filled with water at 4°C. The water will overflow if the temperature of water is __:	Increased	Decreased	Increased or decreas	None of them	Increased or decreas
Which of the following is NOT a unit for measuring pressure?	bar	torr	Pascal	shake	shake
Which of the following conditions is true for two vectors to be collinear?	Equal magnitude	Same Direction	Acting along the par	Both a and c	Acting along the par
What will be the effect on the value of acceleration due to gravity at the poles if the rate of rota	No effect	it will increase	it will decrease	it will become zero	No effect
What is the SI unit of acceleration due to gravity?	ms-2	ms-3	Kgms-2	ms-1	ms-2
What happens to the orbital velocity of a satellite when the radius of orbit is increased?	it decreases	it increases	it remains same	None of the above	it decreases
What is the time period for a satellite orbiting close to the surface of earth?	84.6 minutes	72.4 minutes	44.8 minutes	24 hours	84.6 minutes
By how much times the orbital speed of a satellite needs to be increased to make it escape the gravi	?3 times	4 times	2 times	?2 times	?2 times
On which of the following principles is Hydraulic lift based?	Pascal law	Bernoulli?s principl	Stoke?s law	Torricelli?s law	Pascal law

16)   Edit Paper Page:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">
        <title>Question Portal</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 10px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;

            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
                border-bottom-right-radius: 0;
                border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
                border-top-left-radius: 0;
                border-top-right-radius: 0;
            }
            #logreg-forms a{
                display: block;
                padding-top:10px;
                color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
            #logreg-forms .form-signup input { margin-bottom: 2px;}
            /* Mobile */
            @media screen and (max-width:500px){
                #logreg-forms{
                    width:300px;
                }
            }
        </style>
        <script type="text/javascript">
```

```html
                function populate(s1,s2){
                        var s1=document.getElementById(s1);
                        var s2=document.getElementById(s2);
                        s2.innerHTML="";
                        if(s1.value == "General"){
                                var optionArr=["|----Category Id----","G001|G001-Aptitude"];
                        }
                        else{
                                var optionArr=["|----Category Id----","S001|S001-
Maths","S002|S002-Physics","S003|S003-Chemistry","S004|S004-Physcology"
                                        ,"S005|S005-English"];
                        }
                        for(var option in optionArr){
                                var pair =optionArr[option].split("|");
                                var newoption=document.createElement("option");
                                newoption.value=pair[0];
                                newoption.innerHTML=pair[1];
                                s2.options.add(newoption);
                        }

                }
        </script>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="questionportal" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Edit Paper</h1>
            <hr>

            <select class="form-control" required name="Category Name" id="CategoryName"
onclick="populate('CategoryName','CategoryId')">
                    <option value="" selected class="form-control">----Category Name----</option>
                    <option value="General">General</option>
                    <option value="Subject">Subject</option>
            </select><br/>

            <select class="form-control" required name="Category Id" id="CategoryId">
            </select><br/>

                    <input class="btn btn-success btn-block" type="submit" value="ADD
QUESTIONS" style="color:white;">
                    <input class="btn btn-success btn-block" type="submit" value="MODIFY
QUESTIONS" style="color:white;" onclick="form.action='questionportal1';">
                    <input class="btn btn-success btn-block" type="submit" value="DELETE
QUESTIONS" style="color:white;" onclick="form.action='questionportal2';">

            </form>

                    <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back
To Profile</a><br/>
            <hr>

        </div>


    </body>
</html>
```

package com.servlet;

import java.io.IOException;

```java
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/questionportal")
public class questionportal extends HttpServlet {
        private static final long serialVersionUID = 1L;


        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String catId=request.getParameter("Category Id");
                HttpSession hs = request.getSession();
                hs.setAttribute("CategoryId", catId);
                RequestDispatcher d = request.getRequestDispatcher("addquestions.jsp");
                d.forward(request, response);
        }
}

package com.servlet;

import java.io.IOException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/questionportal1")
public class questionportal1 extends HttpServlet {
        private static final long serialVersionUID = 1L;


        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String catId=request.getParameter("Category Id");
                HttpSession hs = request.getSession();
                hs.setAttribute("CategoryId", catId);
                RequestDispatcher d = request.getRequestDispatcher("ModifyQues.jsp");
                d.forward(request, response);
```

```
        }
}

package com.servlet;

import java.io.IOException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

/**
 * Servlet implementation class questionportal2
 */
@WebServlet("/questionportal2")
public class questionportal2 extends HttpServlet {
        private static final long serialVersionUID = 1L;
        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String catId=request.getParameter("Category Id");
                HttpSession hs = request.getSession();
                hs.setAttribute("CategoryId", catId);
                RequestDispatcher d = request.getRequestDispatcher("DelQues.jsp");
                d.forward(request, response);
        }
}
```

Edit Paper

----Category Name---- ⌄

⌄

ADD QUESTIONS

MODIFY QUESTIONS

DELETE QUESTIONS

Back To Profile

ADD QUESTIONS:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Add Questions</title>
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
        <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
         <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">


    <style>
        body {
    padding-top: 3.5rem;
    background-color:powderblue;

}
nav {
    font-family: sans-serif;
}
.navbar-brand {
    font-size: 20px;
    font-family: Georgia, 'Times New Roman', Times, serif;
}
 #logreg-forms{
    width:412px;
    margin:10vh auto;
    background-color:#f3f3f3;
    box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
    transition: all 0.3s cubic-bezier(.25,.8,.25,1);
}
#logreg-forms form {
    width: 100%;
    max-width: 410px;
    padding: 15px;
    margin: auto;
}
#logreg-forms .form-control {
    position: relative;
    box-sizing: border-box;
    height: auto;
    padding: 10px;
    font-size: 16px;
    color:powderblue;
}
#logreg-forms .form-control:focus { z-index: 2; }
#logreg-forms .form-signin input[type="text"] {
    margin-bottom: -1px;
    border-bottom-right-radius: 0;
    border-bottom-left-radius: 0;

}
#logreg-forms .form-signin input[type="password"] {
    border-top-left-radius: 0;
    border-top-right-radius: 0;
}
#logreg-forms a{
```

```css
        display: block;
        padding-top:10px;
        color:grey;
}
#logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
#logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
#logreg-forms .form-signup input { margin-bottom: 2px;}
/* Mobile */
@media screen and (max-width:500px){
        #logreg-forms{
                width:300px;
        }


}
        </style>
        </head>
        <body>
                <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
                <a class="navbar-brand" href="#"><b> GRE EXAMINATION SYSTEM</b></a>
                <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarCollapse">
                <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                                <a class="nav-link" href="AdminHome.jsp">Home</a>
                        </li>
                        <li class="nav-item">
                                <a class="nav-link" href="questions.jsp">Edit Paper</a>
                        </li>
                        <li class="nav-item">
                                <a class="nav-link" href="ChangePasswordA.jsp">Change Password</a>
                        </li>
                        <li class="nav-item">
                                <a class="nav-link" href="Logout">Logout</a>
                        </li>
                </ul>
                </div>
                </nav>
                <h1 style="text-align: center;"><u>Add Questions</u></h1>
                <h5 style="text-align: center;">Add Questions to Examination</h5><br/>

                <form class="form-signin" action="addquestionDB" method="POST">
                <input type="text" class="form-control" placeholder="Category Id" name="catid"
readonly value=${CategoryId}>
                        <input type="text" class="form-control" placeholder="Question" required
name="question" />
                        <input type="text" class="form-control" placeholder="Choice 1" required
name="ans1" />
                        <input type="text" class="form-control" placeholder="Choice 2" required
name="ans2" />
                        <input type="text" class="form-control" placeholder="Choice 3" required
name="ans3" />
                        <input type="text" class="form-control" placeholder="Choice 4" required
name="ans4" />
                        <input type="text" class="form-control" placeholder="Correct Choice" required
name="answer" /><br>

                        <input class="btn btn-success btn-block" type="submit" value="Add Question"
style="color:white;"><br/>
                        <h5 style="color:red; text-align: center;">${quescon}</h5>
                </form>
        </body>
```

```
</html>
package com.servlet;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.DBConnection.MyConnection;

@WebServlet("/addquestionDB")
public class addquestionDB extends HttpServlet {
        private static final long serialVersionUID = 1L;
        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                response.setContentType("text/html");
                PrintWriter out = response.getWriter();
                String catid= request.getParameter("catid");
        String question = request.getParameter("question");
        String ans1 = request.getParameter("ans1");
        String ans2 = request.getParameter("ans2");
        String ans3 = request.getParameter("ans3");
        String ans4 = request.getParameter("ans4");
        String answer = request.getParameter("answer");
         try {
           String query="select * from questiondetails where
QuestionDescription='"+question+"'"; // Query To check that question is already exist or not
           PreparedStatement p =new
MyConnection().getConnection().prepareStatement(query);
        ResultSet r=p.executeQuery();
        if(r.next()){
                HttpSession hs = request.getSession();
                hs.setAttribute("quescon", "Question Already Exist");
                RequestDispatcher d = request.getRequestDispatcher("addquestions.jsp");
                d.forward(request, response);
        }
        else{
        if(question!=null) {
                String qr="insert into questiondetails (CategoryID, QuestionDescription,
Choice1, Choice2, Choice3, Choice4, Answer)"+" values (?,?,?,?,?,?,?)";
                PreparedStatement ps =new
MyConnection().getConnection().prepareStatement(qr);
                ps.setString(1,catid);
```

```
            ps.setString(2,question );
            ps.setString(3,ans1 );
            ps.setString(4,ans2 );
            ps.setString(5,ans3 );
            ps.setString(6,ans4 );
            ps.setString(7,answer );
            ps.executeUpdate();
            String qa="select * from categorydetails where CategoryID='"+catid+"'";
            PreparedStatement pa =new
MyConnection().getConnection().prepareStatement(qa);
            ResultSet rs=pa.executeQuery();
            if(rs.next()){
                int num =Integer.valueOf(rs.getString(4));
                String qu="update categorydetails set NoOfQuestions='"+(num+1)+"'
where CategoryId='"+catid+"'";
                PreparedStatement pu =new
MyConnection().getConnection().prepareStatement(qu);
                pu.executeUpdate();
            }
            HttpSession hs = request.getSession();
            hs.setAttribute("quescon", "Question Added Sucessfully");
            RequestDispatcher d = request.getRequestDispatcher("addquestions.jsp");
            d.forward(request, response);
        }
        }
    }catch(Exception e) {
        e.printStackTrace();
    }
    }
}
```

Add Questions

Add Questions to Examination

G001

Question

Choice 1

Choice 2

Choice 3

Choice 4

Correct Choice

Add Question

MODIFY QUESTION:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">
        <title>Select Question</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 10px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;

            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
                border-bottom-right-radius: 0;
                border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
                border-top-left-radius: 0;
                border-top-right-radius: 0;
            }
            #logreg-forms a{
                display: block;
                padding-top:10px;
                color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
            #logreg-forms .form-signup input { margin-bottom: 2px;}
            /* Mobile */
            @media screen and (max-width:500px){
                #logreg-forms{
                    width:300px;
                }
```

```html
            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="selectques" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Select Question
to modify</h1>
            <hr>
            <input type="text" class="form-control" placeholder="Category Id" readonly
name="questno" value=${CategoryId} >
                <sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
url="jdbc:mysql://localhost:3306/gre online test" user="root" password=""></sql:setDataSource>
                    <sql:query dataSource="${db}" var="userIds">
                    select * from questiondetails where CategoryID="${CategoryId}";
                    </sql:query>
                <select class="form-control" name="QuesName">
                        <option value="">---select Question---</option>
                        <c:forEach var="uid" items="${userIds.rows}" >
                        <option
value="${uid.QuestionDescription}">${uid.QuestionDescription}</option>
                        </c:forEach>
            </select> <br>

                    <input class="btn btn-success btn-block" type="submit" value="Next"
style="color:white;">

            </form>

                    <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back
To Profile</a><br/>
                    <h5 style="color:red; text-align: center;">${modcon}</h5>
            <hr>

        </div>


    </body>
</html>
```

package com.servlet;

import java.io.IOException;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;

```java
@WebServlet("/selectques")
public class selectques extends HttpServlet {
    private static final long serialVersionUID = 1L;


    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        String selectedques=request.getParameter("QuesName");
        String query="select * from questiondetails where
QuestionDescription='"+selectedques+"'";
        try {
            PreparedStatement p=new
MyConnection().getConnection().prepareStatement(query);
            ResultSet r=p.executeQuery();
            if(r.next()) {
                String ans1=r.getString(4);
                String ans2=r.getString(5);
                String ans3=r.getString(6);
                String ans4=r.getString(7);
                String answer=r.getString(8);
                HttpSession session = request.getSession();
                session.setAttribute("quesno", r.getString(2));
                request.setAttribute("Quesdesc",selectedques);
                request.setAttribute("ans1",ans1);
                request.setAttribute("ans2",ans2);
                request.setAttribute("ans3",ans3);
                request.setAttribute("ans4",ans4);
                request.setAttribute("answer",answer);
        RequestDispatcher rd = request.getRequestDispatcher("ModifyQuestion.jsp");
        rd.forward(request, response);
            }
```

```
        }catch(Exception e) {

                e.printStackTrace();

                }

        }

}
```



```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Modify Questions</title>
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
        <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">

    <style>
        body {
    padding-top: 3.5rem;
    background-color:powderblue;

}
nav {
    font-family: sans-serif;
}
.navbar-brand {
    font-size: 20px;
    font-family: Georgia, 'Times New Roman', Times, serif;
}
 #logreg-forms{
    width:412px;
    margin:10vh auto;
```

```css
    background-color:#f3f3f3;
    box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
    transition: all 0.3s cubic-bezier(.25,.8,.25,1);
}
#logreg-forms form {
    width: 100%;
    max-width: 410px;
    padding: 15px;
    margin: auto;
}
#logreg-forms .form-control {
    position: relative;
    box-sizing: border-box;
    height: auto;
    padding: 10px;
    font-size: 16px;
    color:powderblue;
}
#logreg-forms .form-control:focus { z-index: 2; }
#logreg-forms .form-signin input[type="text"] {
    margin-bottom: -1px;
    border-bottom-right-radius: 0;
    border-bottom-left-radius: 0;


}
#logreg-forms .form-signin input[type="password"] {
    border-top-left-radius: 0;
    border-top-right-radius: 0;
}
#logreg-forms a{
    display: block;
    padding-top:10px;
    color:grey;
}
#logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
#logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
#logreg-forms .form-signup input { margin-bottom: 2px;}
/* Mobile */
@media screen and (max-width:500px){
    #logreg-forms{
        width:300px;
    }

}
    </style>
    </head>
    <body>
            <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
             <a class="navbar-brand" href="#"><b> GRE EXAMINATION SYSTEM</b></a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarCollapse">
             <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                            <a class="nav-link" href="AdminHome.jsp">Home</a>
                    </li>
                    <li class="nav-item">
                            <a class="nav-link" href="questions.jsp">Edit Paper</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="ChangePasswordA.jsp">Change Password</a>
                    </li>
```

```html
                    <li class="nav-item">
                            <a class="nav-link" href="Logout">Logout</a>
                    </li>
                </ul>
            </div>
            </nav>
            <h1 style="text-align: center;"><u>Modify Questions</u></h1>
            <h5 style="text-align: center;">Modify Questions of Examination</h5><br/>

            <form class="form-signin" action="modifyquestionDB" method="post">
                <input type="text" class="form-control" placeholder="Category Id" readonly
name="catid" value=${CategoryId} >
                <input type="text" class="form-control" placeholder="Question" required
name="question" value="<%=request.getAttribute("Quesdesc") %>" />
                <input type="text" class="form-control" placeholder="Choice 1" required
name="ans1" value="<%=request.getAttribute("ans1") %>" />
                <input type="text" class="form-control" placeholder="Choice 2" required
name="ans2"value="<%=request.getAttribute("ans2") %>"  />
                <input type="text" class="form-control" placeholder="Choice 3" required
name="ans3" value="<%=request.getAttribute("ans3") %>" />
                <input type="text" class="form-control" placeholder="Choice 4" required
name="ans4" value="<%=request.getAttribute("ans4") %>" />
                <input type="text" class="form-control" placeholder="Correct Choice" required
name="answer" value="<%=request.getAttribute("answer") %>" /><br>

                <input class="btn btn-success btn-block" type="submit" value="Modify Question"
style="color:white;"><br/>

            </form>
    </body>
</html>
```

```java
package com.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;


@WebServlet("/modifyquestionDB")

public class modifyquestionDB extends HttpServlet {
```

```java
        private static final long serialVersionUID = 1L;

        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

                response.setContentType("text/html");

                HttpSession session = request.getSession();

                String quesno=(String)session.getAttribute("quesno");

                String catid= request.getParameter("catid");

        String question = request.getParameter("question");

        String ans1 = request.getParameter("ans1");

        String ans2 = request.getParameter("ans2");

        String ans3 = request.getParameter("ans3");

        String ans4 = request.getParameter("ans4");

        String answer = request.getParameter("answer");

         try {

            String query="update questiondetails set QuestionDescription='"+question+"',
Choice1='"+ans1+"', Choice2='"+ans2+"'"

                        + ", Choice3='"+ans3+"', Choice4='"+ans4+"', Answer='"+answer+"'
where QuestionNo='"+quesno+"'";

            PreparedStatement p =new
MyConnection().getConnection().prepareStatement(query);

            p.executeUpdate();

            session.setAttribute("modcon", "Question Modified");

            RequestDispatcher d = request.getRequestDispatcher("ModifyQues.jsp");

            d.forward(request, response);


        }catch(Exception e) {

         e.printStackTrace();

        }

         }

}
```

Modify Questions

Modify Questions of Examination

G001

The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is

40%

42%

44%

46%

44%

Modify Question

DELETE QUESTION:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU" crossorigin="anonymous">
        <title>Select Question</title>
        <style>

            #logreg-forms{
                width:412px;
                margin:10vh auto;
                background-color:#f3f3f3;
                box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
                transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
                width: 100%;
                max-width: 410px;
                padding: 10px;
                margin: auto;
            }
            #logreg-forms .form-control {
                position: relative;
                box-sizing: border-box;
                height: auto;
                padding: 10px;
                font-size: 16px;

            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
                margin-bottom: -1px;
```

```css
            border-bottom-right-radius: 0;
            border-bottom-left-radius: 0;
        }
        #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
        }
        #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
        }
        #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
        #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
        #logreg-forms .form-signup input { margin-bottom: 2px;}
        /* Mobile */
        @media screen and (max-width:500px){
            #logreg-forms{
                width:300px;
            }
        }
    </style>
    </head>
    <body style="background-color:#c3e8fa;">
        <div id="logreg-forms" >
        <form class="form-signin" action="selectquesfordel" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Select Question
to delete</h1>
            <hr>
            <input type="text" class="form-control" placeholder="Category Id" readonly
name="questno" value=${CategoryId} >
                <sql:setDataSource var="db" driver="com.mysql.cj.jdbc.Driver"
url="jdbc:mysql://localhost:3306/gre online test" user="root" password=""></sql:setDataSource>
                    <sql:query dataSource="${db}" var="userIds">
                    select * from questiondetails where CategoryID="${CategoryId}";
                    </sql:query>
                <select class="form-control" name="QuesName">
                        <option value="">---select Question---</option>
                        <c:forEach var="uid" items="${userIds.rows}" >
                        <option
value="${uid.QuestionDescription}">${uid.QuestionDescription}</option>
                    </c:forEach>
            </select> <br>

                    <input class="btn btn-success btn-block" type="submit" value="Next"
style="color:white;">

            </form>

                    <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back
To Profile</a><br/>
                    <h5 style="color:red; text-align: center;">${delcon}</h5>
            <hr>

        </div>


    </body>
</html>
package com.servlet;

import java.io.IOException;

import java.sql.PreparedStatement;
```

```java
import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;


@WebServlet("/selectquesfordel")
public class selectquesfordel extends HttpServlet {

    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {


        String selectedques=request.getParameter("QuesName");

        String query="select * from questiondetails where
QuestionDescription='"+selectedques+"'";
        try {

            PreparedStatement p=new
MyConnection().getConnection().prepareStatement(query);

            ResultSet r=p.executeQuery();

            if(r.next()) {

                String ans1=r.getString(4);

                String ans2=r.getString(5);

                String ans3=r.getString(6);

                String ans4=r.getString(7);

                String answer=r.getString(8);

                HttpSession session = request.getSession();

                session.setAttribute("quesno", r.getString(2));
```

```
                    request.setAttribute("Quesdesc",selectedques);

                    request.setAttribute("ans1",ans1);

                    request.setAttribute("ans2",ans2);

                    request.setAttribute("ans3",ans3);

                    request.setAttribute("ans4",ans4);

                    request.setAttribute("answer",answer);

            RequestDispatcher rd = request.getRequestDispatcher("DeleteQuestion.jsp");

            rd.forward(request, response);

                }

            }catch(Exception e) {

                    e.printStackTrace();

                }

        }

}
```

Select Question to delete

G001

---select Question---

Next

Back To Profile

```html
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Delete Question</title>
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
```

```
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
        <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
          <link rel="canonical" href="https://getbootstrap.com/docs/4.5/examples/carousel/">

    <style>
        body {
    padding-top: 3.5rem;
    background-color:powderblue;

}
nav {
    font-family: sans-serif;
}
.navbar-brand {
    font-size: 20px;
    font-family: Georgia, 'Times New Roman', Times, serif;
}
 #logreg-forms{
    width:412px;
    margin:10vh auto;
    background-color:#f3f3f3;
    box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
    transition: all 0.3s cubic-bezier(.25,.8,.25,1);
}
#logreg-forms form {
    width: 100%;
    max-width: 410px;
    padding: 15px;
    margin: auto;
}
#logreg-forms .form-control {
    position: relative;
    box-sizing: border-box;
    height: auto;
    padding: 10px;
    font-size: 16px;
    color:powderblue;
}
#logreg-forms .form-control:focus { z-index: 2; }
#logreg-forms .form-signin input[type="text"] {
    margin-bottom: -1px;
    border-bottom-right-radius: 0;
    border-bottom-left-radius: 0;

}
#logreg-forms .form-signin input[type="password"] {
    border-top-left-radius: 0;
    border-top-right-radius: 0;
}
#logreg-forms a{
    display: block;
    padding-top:10px;
    color:grey;
}
#logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}
#logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }
#logreg-forms .form-signup input { margin-bottom: 2px;}
/* Mobile */
@media screen and (max-width:500px){
    #logreg-forms{
        width:300px;
    }


}
```

```html
    </style>
    </head>
    <body>
            <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark">
             <a class="navbar-brand" href="#"><b> GRE EXAMINATION SYSTEM</b></a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarCollapse" aria-controls="navbarCollapse" aria-expanded="false" aria-
label="Toggle navigation">
             <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarCollapse">
             <ul class="navbar-nav ml-auto">
                 <li class="nav-item">
                            <a class="nav-link" href="AdminHome.jsp">Home</a>
                     </li>
                 <li class="nav-item">
                            <a class="nav-link" href="questions.jsp">Edit Paper</a>
                     </li>
                 <li class="nav-item">
                        <a class="nav-link" href="ChangePasswordA.jsp">Change Password</a>
                     </li>
                 <li class="nav-item">
                        <a class="nav-link" href="Logout">Logout</a>
                     </li>
                </ul>
             </div>
             </nav>
            <h1 style="text-align: center;"><u>Delete Questions</u></h1>
            <h5 style="text-align: center;">Delete Questions to Examination</h5><br/>

            <form class="form-signin" action="deletequestionDB" method="post">

                <input type="text" class="form-control" placeholder="Category Id" required
readonly name="catid" value=${CategoryId} />
                <input type="text" class="form-control" placeholder="Question" required
readonly name="question" value="<%=request.getAttribute("Quesdesc") %>"/>
                <input type="text" class="form-control" placeholder="Choice 1" required
readonly name="ans1" value="<%=request.getAttribute("ans1") %>" />
                <input type="text" class="form-control" placeholder="Choice 2" required
readonly name="ans2" value="<%=request.getAttribute("ans2") %>"  />
                <input type="text" class="form-control" placeholder="Choice 3" required
readonly name="ans3" value="<%=request.getAttribute("ans3") %>"  />
                <input type="text" class="form-control" placeholder="Choice 4" required
readonly name="ans4" value="<%=request.getAttribute("ans4") %>"  />
                <input type="text" class="form-control" placeholder="Correct Choice" readonly
required name="answer"  value="<%=request.getAttribute("answer") %>" /><br>

                <input class="btn btn-success btn-block" type="submit" value="Delete Question"
style="color:white;"><br/>

            </form>
    </body>
</html>
```

package com.servlet;

import java.io.IOException;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

```java
import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;


@WebServlet("/deletequestionDB")
public class deletequestionDB extends HttpServlet {
        private static final long serialVersionUID = 1L;
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
                response.setContentType("text/html");

                HttpSession session = request.getSession();

                String quesno=(String)session.getAttribute("quesno");

                String catid= request.getParameter("catid");

        String question = request.getParameter("question");

        String ans1 = request.getParameter("ans1");

        String ans2 = request.getParameter("ans2");

        String ans3 = request.getParameter("ans3");

        String ans4 = request.getParameter("ans4");

        String answer = request.getParameter("answer");

         try {

           String query="delete from questiondetails where QuestionNo='"+quesno+"'";

           PreparedStatement p =new
MyConnection().getConnection().prepareStatement(query);

           p.executeUpdate();

           String qa="select * from categorydetails where CategoryID='"+catid+"'";

           PreparedStatement pa =new MyConnection().getConnection().prepareStatement(qa);

           ResultSet rs=pa.executeQuery();
```

```java
        if(rs.next()){

                int num =Integer.valueOf(rs.getString(4));

                String qu="update categorydetails set NoOfQuestions='"+(num-1)+"' where
CategoryId='"+catid+"'";

                PreparedStatement pu =new
MyConnection().getConnection().prepareStatement(qu);

                pu.executeUpdate();

        }
        session.setAttribute("delcon", "Question Deleted!!!");

        RequestDispatcher d = request.getRequestDispatcher("DelQues.jsp");

        d.forward(request, response);

    }catch(Exception e) {

     e.printStackTrace();

    }

    }

}
```

17)   Password Reset:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-
1"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
```

```html
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
        <title>Reset Password</title>
        <style>
            #logreg-forms{
            width:412px;
            margin:10vh auto;
            background-color:#f3f3f3;
            box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
            transition: all 0.3s cubic-bezier(.25,.8,.25,1);
            }
            #logreg-forms form {
            width: 100%;
            max-width: 410px;
            padding: 15px;
            margin: auto;
            }
            #logreg-forms .form-control {
            position: relative;
            box-sizing: border-box;
            height: auto;
            padding: 10px;
            font-size: 16px;
            }
            #logreg-forms .form-control:focus { z-index: 2; }
            #logreg-forms .form-signin input[type="text"] {
            margin-bottom: -1px;
            border-bottom-right-radius: 0;
            border-bottom-left-radius: 0;
            }
            #logreg-forms .form-signin input[type="password"] {
            border-top-left-radius: 0;
            border-top-right-radius: 0;
            }
            #logreg-forms a{
            display: block;
            padding-top:10px;
            color:grey;
            }
            #logreg-forms input[type="submit"]{ margin-top:10px;  background-color: #4a4747}

            #logreg-forms .form-reset, #logreg-forms .form-signup{ display: none; }

            #logreg-forms .form-signup input { margin-bottom: 2px;}

            /* Mobile */

            @media screen and (max-width:500px){
        #logreg-forms{
            width:300px;
        }
            }
        </style>
    </head>
    <body style="background-color:#c3e8fa;">

        <div id="logreg-forms">
        <form class="form-signin" action="ChangePasswordForAdmin" method="get">
            <h1 class="h3 mb-3 font-weight-normal" style="text-align: center">Password
Reset</h1>
            <hr/>
```

```html
            <input type="text" class="form-control" placeholder="UserID" required=""
name="userid" /><br>
            <input type="text" class="form-control" placeholder="Old Password" required=""
name="opass" /><br>
            <input type="text" class="form-control" placeholder="New Password" required=""
name="npass" /><br>
            <input type="text" class="form-control" placeholder="Confirm Password" required=""
name="cpass" /><br>
            <input class="btn btn-success btn-block" type="submit" value="Reset"
style="color:white;"><br/>
            <a href="AdminHome.jsp" id="forgot_pswd"  style="text-align: center;">Back to
profile</a><br/>

            <h5 style="color:red; text-align: center;">${cpadmin}</h5>
            <hr/>
        </form>
    </div>
    </body>
      </html>
```

package com.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.DBConnection.MyConnection;

@WebServlet("/ChangePasswordForAdmin")

public class ChangePasswordForAdmin extends HttpServlet {

        private static final long serialVersionUID = 1L;

        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

                response.setContentType("text/html");

                PrintWriter out = response.getWriter();

```java
String userID = request.getParameter("userid");

String oldpass = request.getParameter("opass");

String newp = request.getParameter("npass");

String confirmp = request.getParameter("cpass");

try {

    if(userID!=null) {

String qr="select * from logincredentials where UserType='A' and UserID='"+userID+"' and
Password='"+oldpass+"'";

        PreparedStatement ps =new MyConnection().getConnection().prepareStatement(qr);

            ResultSet rs=ps.executeQuery();

            if(oldpass.equals(newp)) {

                    HttpSession hs = request.getSession();

        RequestDispatcher d = request.getRequestDispatcher("ChangePasswordA.jsp");

        hs.setAttribute("cpadmin", "New password cannot be the same as old password");

                    d.forward(request, response);

            }

            else if(newp.equals(confirmp) && rs.next()){

                    String qu="update logincredentials set Password='"+newp+"' where
UserType='A' and UserID='"+userID+"' and Password='"+oldpass+"'";

        PreparedStatement pre=new MyConnection().getConnection().prepareStatement(qu);

                    pre.executeUpdate();

            HttpSession hs = request.getSession();

        RequestDispatcher rd = request.getRequestDispatcher("ChangePasswordA.jsp");

                    hs.setAttribute("cpadmin", "Password Changed Successfully");

                    rd.forward(request, response);

                    pre.close();

            }

            else if(newp.equals(confirmp)==false && rs.next()){

                    HttpSession hs = request.getSession();

        RequestDispatcher d = request.getRequestDispatcher("ChangePasswordA.jsp");

        hs.setAttribute("cpadmin", "New and Confirm Passwords does not Match");
```

```java
                    d.forward(request, response);
                }
                else {
        HttpSession hs = request.getSession();
      RequestDispatcher d = request.getRequestDispatcher("ChangePasswordA.jsp");
      hs.setAttribute("cpadmin", "Either UserID is wrong or Old Password is wrong");
                    d.forward(request, response);
                }
                rs.close();
                ps.close();
        }
    }catch(Exception e) {
     e.printStackTrace();
    }
    }
}
```

18) <u>Logout:</u>

```java
package com.servlet;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.DBConnection.MyConnection;

@WebServlet("/Logout")
public class Logout extends HttpServlet {
        private static final long serialVersionUID = 1L;
        protected void doGet(HttpServletRequest request, HttpServletResponse
response)
         throws ServletException, IOException {
         HttpSession hss = request.getSession();
         String uid=(String)hss.getAttribute("uId");
         String query="select * from userdetails where UserID='"+uid+"'";
         try {
                  PreparedStatement ps=new
MyConnection().getConnection().prepareStatement(query);
                  ResultSet r=ps.executeQuery();
                  if(r.next()) {
                          String q="update userdetails set LoginStatus='0' where
UserID='"+uid+"'";
                          PreparedStatement p=new
MyConnection().getConnection().prepareStatement(q);
                          p.executeUpdate();
                  }
             } catch (SQLException e) {
                  // TODO Auto-generated catch block
                  e.printStackTrace();
             }
         HttpSession hs = request.getSession(false);
         hs.removeAttribute("adminmsg");
         hs.removeAttribute("cpadmin");
         hs.removeAttribute("cpuser");
         hs.removeAttribute("con");
```

```java
        hs.removeAttribute("examreg");
        hs.removeAttribute("loginU");
        hs.removeAttribute("success");
        hs.removeAttribute("cID");
        hs.removeAttribute("pname");
        hs.removeAttribute("name");
        hs.removeAttribute("lname");
        hs.removeAttribute("uId");
        hs.removeAttribute("score");
        hs.removeAttribute("vr");
        hs.removeAttribute("quescon");
        hs.removeAttribute("selectedexam");
        hs.removeAttribute("catId");
        hs.removeAttribute("delcon");
        hs.removeAttribute("uid");
        hs.removeAttribute("pid");
        hs.removeAttribute("p");
        hs.removeAttribute("noq");
        hs.removeAttribute("ed");
        hs.removeAttribute("ef");
        hs.removeAttribute("modcon");
        hs.removeAttribute("ccnum");
        hs.removeAttribute("amount");
        hs.removeAttribute("paydatetime");
        hs.removeAttribute("CategoryId");
        hs.removeAttribute("scheduleexam");
        hs.removeAttribute("quesno");
        hs.removeAttribute("Quesdesc");
        hs.removeAttribute("ans1");
        hs.removeAttribute("ans2");
        hs.removeAttribute("ans3");
        hs.removeAttribute("ans4");
        hs.removeAttribute("answer");
        hs.removeAttribute("pname");
        hs.invalidate();
        response.sendRedirect("Index.html");
    }
}
```