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| **FlyAway**  **(Project Source Code)** |

**Version History:**

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| Author | Anil Karad |
| Purpose | Source Code of the application |
| Version | 1.0 |

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# **Project Link**

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| Repository Name | Phase2-project |
| GitHub Link | [https://github.com/AnilKarad/Phase2-project](https://github.com/Niks4u2/FlyAway) |

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# **Controllers**

# SearchFlight.java

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| package com.flyaway;  import java.io.IOException; import java.io.PrintWriter; import java.time.LocalDate; import java.time.ZonedDateTime;  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 com.model.Search;  /\*\*  \* Servlet implementation class SearchFlight  \*/ @WebServlet("/SearchFlight") public class SearchFlight extends HttpServlet {      /\*\*  \*   \*/  private static final long serialVersionUID = 1L;   protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  PrintWriter out = response.getWriter();  Search.date = request.getParameter("date");  Search.source = request.getParameter("source");  Search.destination = request.getParameter("destination");  Search.persons = Integer.parseInt(request.getParameter("persons"));   if (Search.date.equals("")) {    out.println("Please enter a valid date");  }  else {  out.println(Search.date);  Search.day = getDay(Search.date);  out.println(Search.day);  response.sendRedirect("SearchResult.jsp");  }       }    public String getDay(String dateInp) {    ZonedDateTime d = ZonedDateTime.parse(dateInp);  LocalDate dt = LocalDate.parse(dateInp);  return dt.getDayOfWeek().toString();  }        } |

# AdminLogin.java

|  |
| --- |
| package com.flyaway;  import java.io.IOException; import java.io.PrintWriter;  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 com.URegistration.dao.AdminLogindao; import com.URegistration.dao.Logindao;  /\*\*  \* Servlet implementation class AdminLogin  \*/ @WebServlet("/AdminLogin") public class AdminLogin extends HttpServlet {    /\*\*  \*   \*/  private static final long serialVersionUID = 1L;  public static boolean isLoggedIn = false;    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {    String email = request.getParameter("email");  String pass = request.getParameter("pass");    PrintWriter out = response.getWriter();    out.println(email+" "+pass);      AdminLogindao logindao = new AdminLogindao();          if(logindao.check(email,pass)){    HttpSession session = request.getSession();  session.setAttribute("username", uname);  out.println("User Logged In Successfully");    isLoggedIn = true;  out.println("You have LoggedIn");  response.sendRedirect("AdminDashboard.jsp");    }  else{  isLoggedIn = false;  out.println("Login Failed : Incorrect email or Password");       }          }    } |

# ChangePassword.java

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| --- |
| package com.flyaway;  import java.io.IOException; import java.io.PrintWriter;  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 com.URegistration.dao.ChangePasswordAdmindao;    /\*\*  \* Servlet implementation class ChangePassword  \*/ @WebServlet("/ChangePassword") public class ChangePassword extends HttpServlet {      /\*\*  \*   \*/  private static final long serialVersionUID = 1L;   protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {    ChangePasswordAdmindao cdao = new ChangePasswordAdmindao();      PrintWriter out = response.getWriter();      String pass = request.getParameter("passwordEntered");      if (!AdminLogin.isLoggedIn){  out.println("You must login first");  }  else if (pass.equals("")){  out.println("Password can't be empty");  }  else if (AdminLogin.isLoggedIn && !pass.equals("")){  if(cdao.check(pass)){  out.println("Password changed. New Password is "+pass);  response.setContentType("text/html");  out.println();    out.println("<a href=\"AdminLogin.jsp\">Admin Login</a>");  }    }  else {  out.println("Sorry, Something went wrong");  }        }  } |

# UserLogin.java

|  |
| --- |
| package com.flyaway;  import java.io.IOException; import java.io.PrintWriter;  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 com.URegistration.dao.Logindao;  /\*\*  \* Servlet implementation class ULogin  \*/ @WebServlet("/UserLogin") public class UserLogin extends HttpServlet {         /\*\*  \*   \*/  private static final long serialVersionUID = 1L;   protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {        String name = request.getParameter("name");  String email = request.getParameter("email");    PrintWriter out = response.getWriter();    out.println(email+" "+pass);      Logindao logindao = new Logindao();          if(logindao.check(name,email)){    HttpSession session = request.getSession();    session.setAttribute("username", uname);  out.println("User Logged In Successfully");    response.sendRedirect("SearchFlight.jsp");      }  else{    out.println("User Not Logged In");    }          }  } |

# UserRegisteration.java

|  |
| --- |
| package com.flyaway;  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 java.sql.SQLException; import java.sql.Statement;  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 com.URegistration.dao.UserRegistrationdao; /\*\*  \* Servlet implementation class UserRegistration  \*/ @WebServlet("/UserRegistration") public class UserRegistration extends HttpServlet {  private static final long serialVersionUID = 1L;            protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {    PrintWriter out = response.getWriter();    String name = request.getParameter("name");  String email = request.getParameter("email");  String pass = request.getParameter("password");      UserRegistrationdao uregdao = new UserRegistrationdao();    if(name.equals("")||email.equals("")|| pass.equals("")){  out.println("Please Enter The Data Correctly");  }  else{  if(uregdao.check(name, email, pass)){  out.println("User Registered Successfully");  // if regsitered successfully then redirect to User Login.jsp  response.sendRedirect("ULogin.jsp");    }  else{  out.println("User Not Registered");  //response.sendRedirect("ULogin.jsp");  }  }                       }      } |

# **Data Access Object**

# AdminLoginDao.java

|  |
| --- |
| package com.URegistration.dao;  import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet;  public class AdminLogindao {      String url ="jdbc:mysql://localhost:3306/flyawaydb";  String username="root";  String password="root";  String sql = "select \* from AdminLogin where Email=? and PassWord=?";    public boolean check(String email, String pass){  boolean flag =false;    try {      Class.forName("com.mysql.jdbc.Driver");    Connection con = DriverManager.getConnection(url,username,password);    PreparedStatement st = con.prepareStatement(sql);      st.setString(1, email);  st.setString(2, pass);      ResultSet rs = st.executeQuery();    if(rs.next()){  flag =true;  return flag;  }          } catch (Exception e) {    e.printStackTrace();  }      return flag;         }  } |

# ChangePasswordAdmindao.java

|  |
| --- |
| package com.URegistration.dao;  import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement;  public class ChangePasswordAdmindao {  String url ="jdbc:mysql://localhost:3306/flyawaydb";  String username="root";  String password="root";  String sql = "Update AdminLogin set PassWord=? Where Email=?;";    public boolean check(String pass){  boolean flag =false;    try {      Class.forName("com.mysql.jdbc.Driver");    Connection con = DriverManager.getConnection(url,username,password);    PreparedStatement st = con.prepareStatement(sql);      st.setString(1,pass);  st.setString(2,"Admin123@gmail.com");      int rs = st.executeUpdate();    if(rs == 1){  flag =true;  return flag;  }          } catch (Exception e) {    e.printStackTrace();  }      return flag;            } } |

# LoginDao.java

|  |
| --- |
| package com.URegistration.dao;  import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet;  public class Logindao {   String url ="jdbc:mysql://localhost:3306/flyawaydb";  String username="root";  String password="root";  String sql = "select \* from user where Name=? and Email=?";    public boolean check(String name, String email){  boolean flag =false;    try {      Class.forName("com.mysql.jdbc.Driver");    Connection con = DriverManager.getConnection(url,username,password);    PreparedStatement st = con.prepareStatement(sql);      st.setString(1, name);  st.setString(2, email);      ResultSet rs = st.executeQuery();    if(rs.next()){  flag =true;  return flag;  }          } catch (Exception e) {    e.printStackTrace();  }      return flag;         }     } |

# UserRegisterationdao.java

|  |
| --- |
| package com.URegistration.dao;  import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet;  public class UserRegistrationdao {        String url ="jdbc:mysql://localhost:3306/flyawaydb";  String username="root";  String password="root";  String sql = "INSERT INTO user(Name,Email,PassWord) VALUES (?,?,?);";    public boolean check(String name, String email, String pass){  boolean flag =false;    try {      Class.forName("com.mysql.jdbc.Driver");    Connection con = DriverManager.getConnection(url,username,password);    PreparedStatement st = con.prepareStatement(sql);      st.setString(1,name);  st.setString(2,email);  st.setString(3,pass);      int rs = st.executeUpdate();    if(rs == 1){  flag =true;  return flag;  }          } catch (Exception e) {    e.printStackTrace();  }      return flag;            }      } |

# **Model**

# Booking.java

|  |
| --- |
| **package** com.model;  **public** **class** **Booking** {  // flight details  **public** **static** **String** *flight\_booking\_id*;  **public** **static** **int** *ticket\_price*;  **public** **static** **String** *flight\_name*;  // passenger details  **public** **static** **String** *passenger\_name*;  **public** **static** **String** *passenger\_email*;  **public** **static** **String** *passenger\_phone*;  // payment details  **public** **static** **String** *name\_on\_card*;  **public** **static** **String** *card\_details*;  } |

# Search.java

|  |
| --- |
| **package** com.model;  **public** **abstract** **class** **Search** {  **public** **static** **String** *date*;  **public** **static** **String** *day*;  **public** **static** **String** *source*;  **public** **static** **String** *destination*;  **public** **static** **int** *persons*;  **public** **static** **String** **getQuery**() {  **return** "SELECT \* FROM flight WHERE Source = '"+*source*+"' AND Destination='"+*destination*+"'AND Day='"+*day*+"'";  }  } |

# **Utility**

# HibernateUtil.java

|  |
| --- |
| **package** com.util;  **import** org.hibernate.SessionFactory;  **import** org.hibernate.boot.Metadata;  **import** org.hibernate.boot.MetadataSources;  **import** org.hibernate.boot.registry.StandardServiceRegistry;  **import** org.hibernate.boot.registry.StandardServiceRegistryBuilder;  **public** **class** HibernateUtil {  **private** **static** StandardServiceRegistry *registry*;  **private** **static** SessionFactory *sessionFactory*;  **public** **static** SessionFactory getSessionFactory() {  **if** (*sessionFactory* == **null**) {  **try** {  // Create registry  *registry* = **new** StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();  // Create MetadataSources  MetadataSources sources = **new** MetadataSources(*registry*);  // Create Metadata  Metadata metadata = sources.getMetadataBuilder().build();  // Create SessionFactory  *sessionFactory* = metadata.getSessionFactoryBuilder().build();  } **catch** (Exception e) {  e.printStackTrace();  **if** (*registry* != **null**) {  StandardServiceRegistryBuilder.*destroy*(*registry*);  }  }  }  **return** *sessionFactory*;  }  **public** **static** **void** shutdown() {  **if** (*registry* != **null**) {  StandardServiceRegistryBuilder.*destroy*(*registry*);  }  }  } |