

Mini Project in Jsp & Servlet (Lost Complete)

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Chandubhai S. Patel Institute of Technology

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CERTIFICATE

This is to certify that the report entitled “**Lost Complete**” is a bonafied work carried out by **Mr. Chetan Punani (16IT099)** under the guidance and supervision of **Prof. Hemant Yadav** for the subject **Software Group Project-II(IT318)** of 5th Semester of Bachelor of Technology in **Information Technology** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate **himself** has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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Chetan M Punani(16IT099)

ABSTRACT

The Project named - Lost complete application, This application is based on JSP , SERVLET , JSTL and basic concept of HTML or CSS are applied. In this application first of all user is login if user is not login then first register and then login. After login two type of button is their first is find something and another is lost something. If user press lost something button then one form is generated and fill up all the details and submit it. If user press find something button then which type of searching you perform ? Like search based on user name , item name , description , which place you found item or image. Based on click button you search item easily. And if you change your password then also change your password.

This application is very useful to find our lost things and to report if we find any. If we lost anything then we can easily fill up a simple form in this application and find it very easily. This application contributes to ease of having not so much trouble in finding any lost thing. The things that are misplaced or lost can be found out using this application. This application are a popular example of easiness of technology.

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CHAPTER-1 : INTRODUCTION

1.1 Description :

This project is to facilities user to register and find item easily and also communicate with who person that can find item. The user can easily upload data and also retrieved that data in less time. In main page there are option for new register , a register user to directly login using their username or email with password and use application.

1.2 Purpose :

User will be inform about find and lost item and contact with each other or communicate.

1.3 Scope :

- We can store information of all lost item .
- User can maintain their information.
- User can access previous information based in searching.

1.4 Objective :

- The primary objective of the application for lost item who has to maintain that item and the work load is reduce and becomes difficult to search and maintain all the detain and that particular item which is very time consuming.
- This project provides the facility of maintaining the details of all the lost item and based on that search it.

CHAPTER-2 : SYSTEM REQUIREMENTS

2.1 User Characteristics :

User must have to internet connection and must know their password , how to register and how to fill up form.

2.2 Tools and technology used (For development) :

Software Requirements:

- Browser(Chrome, Mozilla,Opera.etc.)
- Text editor(Netbeans IDE)

Hardware Requirements:

- 512 MHZ or more processor
- 512 MB RAM

Backend :

- Wamp Server

CHAPTER-3 : SYSTEM FLOW

3.1 Project flow :

Data flow to login page :

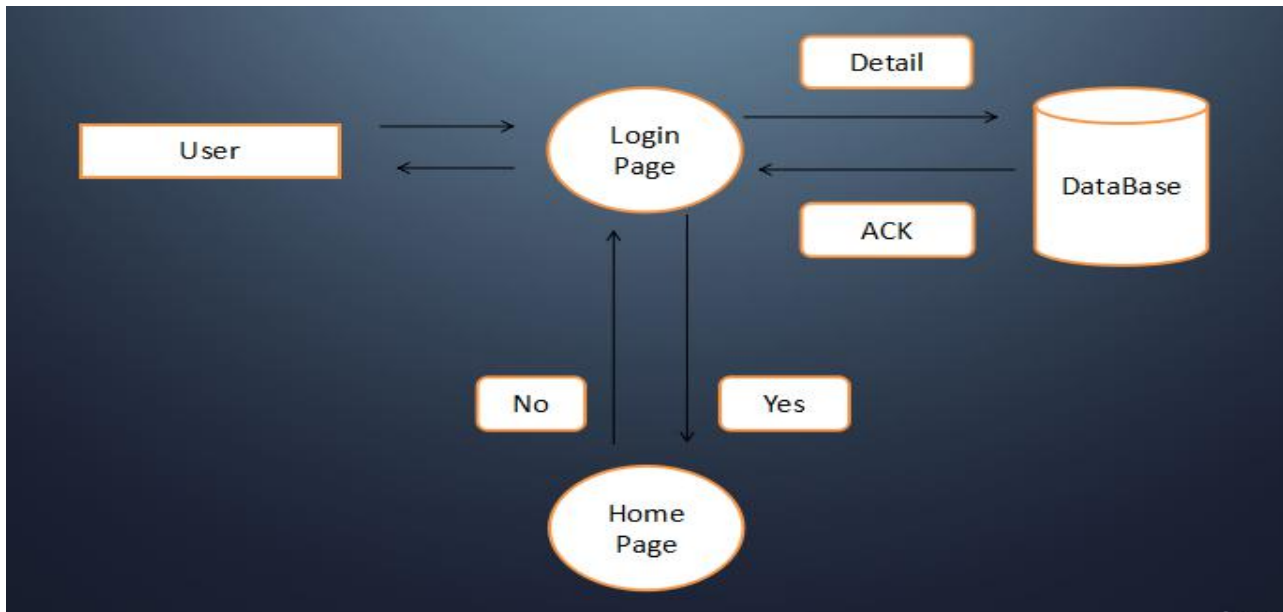


Fig 3.1.1

Data flow of home Page :

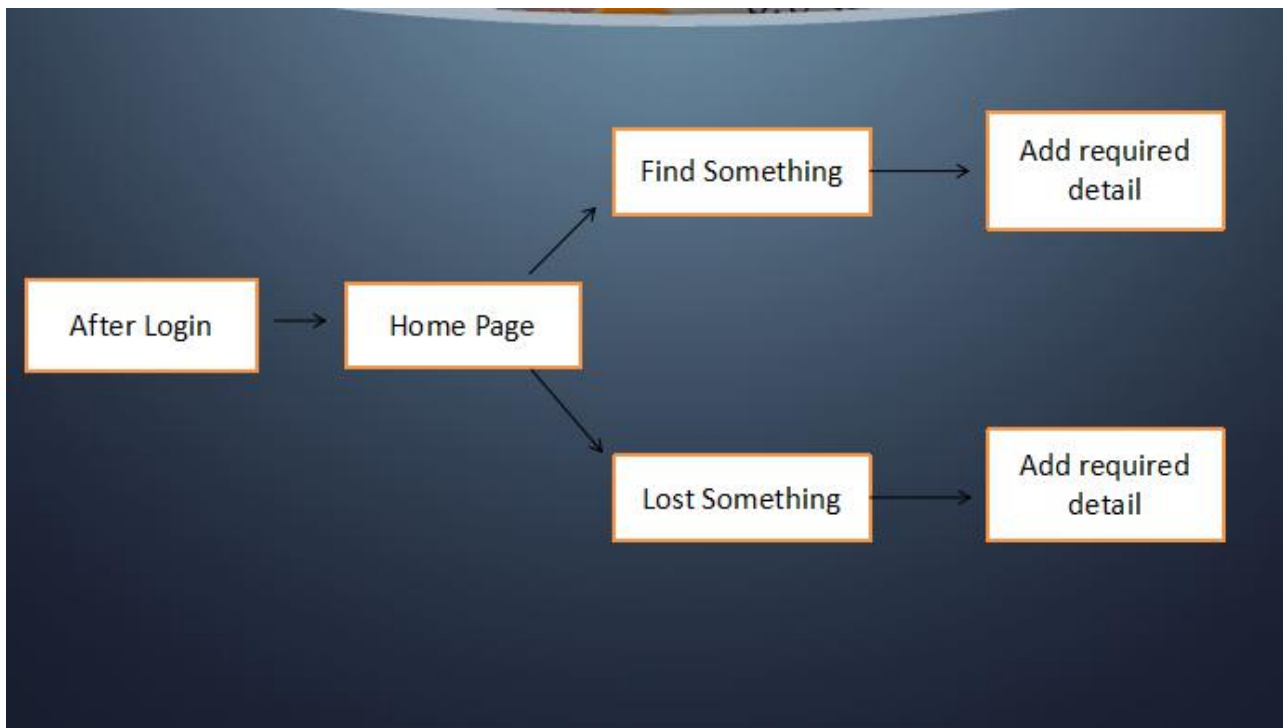


Fig 3.1.

CHAPTER-4: IMPLEMENTATION PLANNING

4.1 Implementation environment :

It is Web based application can run in any web browser.

I have made a multi user based project.

It is easy to use with internet requirement.

4.2 Coding Standards :

home.jsp

```
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.io.InputStream"%>
<%@page import="java.io.FileInputStream"%>
<%@page import="java.io.File"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.SQLException"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="javax.servlet.http.*, javax.servlet.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix = "c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix = "sql"%>
<%
    ResultSet resultSet = null;
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rs = null;
    FileInputStream fis = null;
```

```

Statement statement = null;
%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Home Page</title>
    <link rel="icon" href="image/find.png" type="image/png"/>
    <style>
      body {
        background-image: url("image/111.jpg");
        background-color: lightblue;
      }
    </style>
  </head>
  <body align="center">
    <table align="center">
      <tr>
        <td></img></td>
        <td><h1 align="center" style="margin-left:10px">Find App</h1></td>
      </tr>
    </table>
    <form action="NewServlet" align="center" method="post">
      <%--<sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"
      url = "jdbc:mysql://localhost/test"
      user = "root" password = ""/>

      <sql:query dataSource = "${snapshot}" var = "result">
        SELECT * from sign;
      </sql:query>
      --%>

      <h3 align="center">Login</h3>
      UserName :- <input type="text" name="uname" value="" size="20" placeholder="Enter
Name or Email" required/><br><br>

```

```

        Password :- <input type="password" name="password" value="" size="20"
placeholder="Enter Password" required/><br><br>

        <input type="submit" value="LOGIN" name="submit" /><br><br>
        <a href="newjsp7.jsp" style="margin-right: 50px;">Forgot Password</a>
        <a href="newjsp5.jsp">Sign Up</a>

    </form>

</body>
</html>

```

NewServlet.java

```

import java.io.*;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class NewServlet extends HttpServlet {

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();

    }

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

```

```

PrintWriter out = response.getWriter();

try {
    // Register JDBC driver
    Class.forName("com.mysql.jdbc.Driver");

    // Open a connection
    Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/simple",
"root", "");

    // Execute SQL query
    Statement stmt = conn.createStatement();
    String sql;
    sql = "SELECT * FROM login";
    ResultSet rs = stmt.executeQuery(sql);
    int a=0;
    // Extract data from result set
    while(rs.next()){

        //Retrieve by column name
        String unamed = rs.getString("name");
        String passwordd = rs.getString("password");
        String unamef = request.getParameter("uname");
        String passwordf = request.getParameter("password");

        if(unamef.equals(unamed) && passwordf.equals(passwordd)){
            a=1;

            String msg="Welcome ";
            out.println("<br><br>"+"<font size='6' color=black>" + msg + unamed +"</font>");
            request.getRequestDispatcher("/newjsp.jsp").include(request, response);
        }
    }

    if(a==0){

        request.getRequestDispatcher("/home.jsp").include(request, response);
    }
}

```

```

}

// Clean-up environment
rs.close();
stmt.close();
conn.close();
} catch(SQLException se) {
    //Handle errors for JDBC
    se.printStackTrace();
} catch(Exception e) {
    //Handle errors for Class.forName
    e.printStackTrace();
} /*finally {
    //finally block used to close resources
    try {
        if(stmt!=null)
            stmt.close();
    } catch(SQLException se2) {
    } // nothing we can do
    try {
        if(conn!=null)
            conn.close();
    } catch(SQLException se) {
        se.printStackTrace();
    } //end finally try*/

}
}

```

4.3 Snapshot of project :

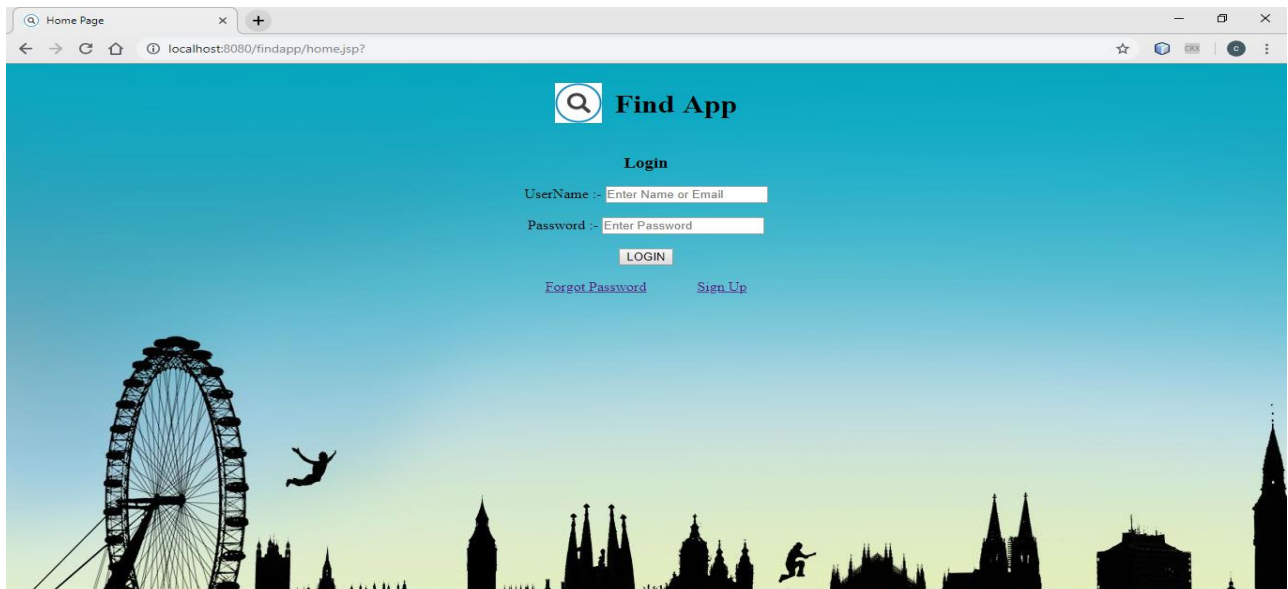


Fig 4.3.1

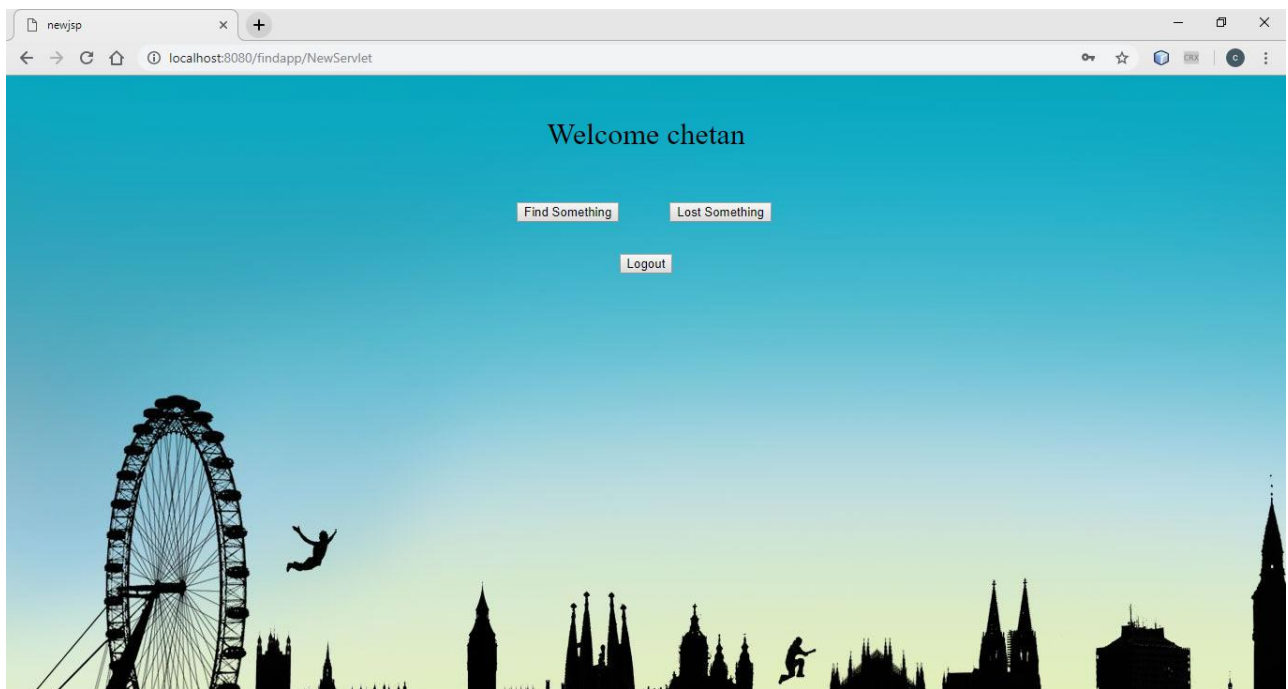


Fig 4.3.2

Lost Item Logout

Your Name :-

Item Name :-

Date :-

Time :-

which type of item :-

Contact Number :-

Email :-

Other Description :-

Image :- No file chosen

Fig 4.3.3

Which type of search you perform Logout

Fig 4.3.4

CHAPTER-5 : LIMITATIONS AND FUTURE ENHANCEMENT

5.1 Limitations :

1. User can only check and register the details of lost item.
2. Without internet application will not work.
3. It can only work for web browser.
4. Search based on image is not added.
5. You can not upload above 50 kb image.
6. There is a major limitation of this application is that if any person find anything he has not reported to this application then the right belonging person can never find his or her lost thing.
7. In case any user has filled up any wrong information to the application then it would be difficult to find anything of right belonging person.

5.2 Future Enhancements :

- ✓ Modify the project with better approach with more graphics.
- ✓ It can also work for ios and android based application.
- ✓ It can be applicable for all the branches or area.
- ✓ User who has registered for lost item and get all the notification about recruitment.
- ✓ The backup procedure can be incorporated to make sure of the database integrity.
- ✓ It should be organized in such a way that the system does not require proper maintenance and easily be used by anyone.
- ✓ Project should be extended in such a way that after submitting your required things your data should have been seen by user and all the other people.

CHAPTER-6 : CONCLUSION

6.1 Conclusion :

Hence I conclude that this application will register lost item and provide you can search based on that item .

6.2 References :

- <https://www.w3schools.com>
- <https://www.javatpoint.com>
- <https://stackoverflow.com/questions/15786937/add-image-in-title-bar>
- https://www.youtube.com/watch?v=-l24Zd_Df3g
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- <https://stackoverflow.com/questions/23489228/set-attribute-and-get-attribute-servlet-to-jsp>