Index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<br><br>
<a href="fetch"><b>Fetch the data of all product</b></a>
<br><br>
<br><br>
<form action="search" method="get">
ProductName: <input type="text" name="ProductName"/>
<br><br>
<input type="submit" value="Search"/>
</form>
</body>
</html>
```

DBCOnfig.java

```
package com.si.config;
import java.sql.Connection;
import java.sql.DriverManager;
import java.util.Properties;

public class DBCOnfig {

	public static Connection getConnect(Properties props)
	{
		Connection connection=null;
		try {
			//get url,username,password from properties object
			String driver=props.getProperty("driver");
			String url=props.getProperty("url");
			String username=props.getProperty("username");
			String password=props.getProperty("password");
			//load driver
			Class.forName(driver);
			connection=
DriverManager.getConnection(url,username,password);

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

		return connection;
	}
}
```

FetchData.java

```
package com.si.config;
import java.io.IOException;
import java.io.PrintWriter;
```

```
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;

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

@WebServlet("/fetch")
public class FetchData 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();
		Properties prop= new Properties();
		prop.load(getServletContext().getResourceAsStream("/WEB-
INF/config.properties"));
		Connection conn= DBCOnfig.getConnect(prop);

		if(conn!=null)
		{
			try {

				Statement stmt=
conn.createStatement(ResultSet.CONCUR_UPDATABLE,ResultSet.TYPE_FORWARD_ONLY);
				ResultSet rs=stmt.executeQuery("select * from
Product");
				out.print("<h1>Product Details</h1><hr>");
				out.print("<table border=1 cellspacing=0
cellpadding=10><tr><th>ProductID</th><th>ProductName</th>");


				while(rs.next())
				{
					out.print("<tr>");

	out.print("<td>"+rs.getInt(1)+"</td>"+"<td>"+rs.getString(2)+"</td>"+"<td>"
+"<a href='detail?id="+rs.getString(2)+"'>Detail</a>"+"</td>");
				}
				out.print("</table>");

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

		}
		else
			out.print("Error while connecting with database");
	}
	protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
```

```
		// TODO Auto-generated method stub
		doGet(request, response);
	}

}
```

DetailServlet.java

```
package com.si.config;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;

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

/**
 * Servlet implementation class DetailServlet
 */
@WebServlet("/detail")
public class DetailServlet 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();
		Properties prop= new Properties();
		prop.load(getServletContext().getResourceAsStream("/WEB-
INF/config.properties"));
		Connection conn= DBCOnfig.getConnect(prop);

		if(conn!=null)
		{
			try {

				Statement stmt=
conn.createStatement(ResultSet.CONCUR_UPDATABLE,ResultSet.TYPE_FORWARD_ONLY);
				ResultSet rs=stmt.executeQuery("select * from
Product");
				out.print("<h1>Product Details</h1><hr>");
				out.print("<table border=1 cellspacing=0
cellpadding=10><tr><th>ProductID</th><th>ProductName</th><th>Weight</th><th>Price<
/th><th>PackageDate</th><th>Expirydate</th>");


				while(rs.next())
				{
					out.print("<tr>");
```

```
		out.print("<td>"+rs.getInt(1)+"</td>"+"<td>"+rs.getString(2)+"</td>"+
"<td>"+rs.getString(3)+"</td>"+"<td>"+rs.getInt(4)+"</td>"+
"<td>"+rs.getDate(5)+"</td>"+"<td>"+rs.getDate(6)+"</td>");
                                                        out.println("</tr>");

                                }
                                out.print("</table>");

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

                }
                else
                        out.print("Error while connecting with database");
        }

        /**
         * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
         */
        protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
                // TODO Auto-generated method stub
                doGet(request, response);
        }

}
```

SearchServlet.java

```
package com.si.config;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.Properties;

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


@WebServlet("/search")
public class SearchServlet 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();
		Properties prop= new Properties();
		prop.load(getServletContext().getResourceAsStream("/WEB-
INF/config.properties"));
		String ProductName =request.getParameter("ProductName");
		Connection conn= DBCOnfig.getConnect(prop);
		out.print("<h1>Product Details</h1><hr>");

		if(conn!=null)
		{
			try {
	PreparedStatement stmt= conn.prepareStatement("select * from Product where
ProductName=?");
				stmt.setString(1, ProductName);
				ResultSet rs=stmt.executeQuery();

				if(rs!=null)
				{
					while(rs.next())
					 {
		out.print("<table border=1 cellspacing=0
cellpadding=10><tr><th>ProductID</th><th>ProductName</th><th>Weight</th>"
+
"<th>Price</th><th>PackageDate</th><th>ExpiryDate</th>");
					out.print("<tr>");

	out.print("<td>"+rs.getInt(1)+"</td>"+"<td>"+rs.getString(2)+"</td>"+"<td>"
+rs.getString(3)+"</td>"

	+"<td>"+rs.getInt(4)+"</td>"+"<td>"+rs.getDate(5)+"</td>"+"<td>"+rs.getDate
(6)+"</td>");
					out.print("</table>");
				out.print("<br>Product found");
					 }
					}
				 else
				 {
					out.print("Failed to fetch data:No such Product
exists ");
				 }
			}
			catch(SQLException sql)
			{
				sql.printStackTrace();
			}
		}
		else
		{
			out.print("Error while connecting with database");
		}
	}



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

```
}
```