

Dt : 13/11/2024(Day-39)

Assignment:

CustomerLogin.html

CustomerRegister.html

CustomerBean.java

CustomerRegisterDAO.java

CustomerRegisterServlet.java

RegSuccess.jsp

Layout:

Assignment Layout:

=====

***imp**

Filters in Servlet Programming:

=>The pre-processing component which is executed before Servlet-Program is known as 'Filter'.

=>Filters are Security gate-ways in applications.

=>we use the following components in constructing filter-applications:

1.Filter

2.FilterChain

3.FilterConfig

1.Filter:

=>'Filter' is an interface from 'jakarta.servlet' package and which is implemented to construct Filter-programs.

=>The following are the life-cycle methods of Filter:

```
public void init(jakarta.servlet.FilterConfig)
    throws jakarta.servlet.ServletException;

public abstract void doFilter(jakarta.servlet.HttpServletRequest,
    jakarta.servlet.HttpServletResponse, jakarta.servlet.FilterChain)
    throws java.io.IOException, jakarta.servlet.ServletException;

public void destroy();
```

2.FilterChain:

=>'FilterChain' is an interface from jakarta.servlet package and which is used on interlink Servlet-program running on Same-url-pattern.

=>The following is one important method from FilterChain:

```
public abstract void doFilter(jakarta.servlet.HttpServletRequest,
    jakarta.servlet.HttpServletResponse) throws java.io.IOException,
    jakarta.servlet.ServletException;
```

3.FilterConfig:

=>'FilterConfig' is an interface from jakarta.servlet package and which is instantiated when Filter-program loaded for execution.

=>This 'FilterConfig' object is loaded with FilterName.

Note:

=>"Filter" and "Servlet" programs are executed based on same url-pattern,in this process Filter-Program will have HighestPriority in execution than Servlet-program.

Diagram:

