import java.io.IOException;

import java.sql.Connection;

import java.sql.SQLException;

import javax.servlet.Filter;

import javax.servlet.FilterChain;

import javax.servlet.FilterConfig;

import javax.servlet.ServletException;

import javax.servlet.ServletRequest;

import javax.servlet.ServletResponse;

import javax.servlet.annotation.WebFilter;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpSession;

@WebFilter(filterName = "cookieFilter", urlPatterns = { "/\*" })

public class CookieFilter implements Filter {

public CookieFilter() {

}

@Override

public void init(FilterConfig fConfig) throws ServletException {

}

@Override

public void destroy() {

}

@Override

public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain)

throws IOException, ServletException {

HttpServletRequest req = (HttpServletRequest) request;

HttpSession session = req.getSession();

UserAccount userInSession = MyUtils.getLoginedUser(session);

//

if (userInSession != null) {

session.setAttribute("COOKIE\_CHECKED", "CHECKED");

chain.doFilter(request, response);

return;

}

// Connection was created in JDBCFilter.

Connection conn = MyUtils.getStoredConnection(request);

// Flag check cookie

String checked = (String) session.getAttribute("COOKIE\_CHECKED");

if (checked == null && conn != null) {

String userName = MyUtils.getUserNameInCookie(req);

try {

UserAccount user = DBUtils.findUser(conn, userName);

MyUtils.storeLoginedUser(session, user);

} catch (SQLException e) {

e.printStackTrace();

}

// Mark checked Cookies.

session.setAttribute("COOKIE\_CHECKED", "CHECKED");

}

chain.doFilter(request, response);

}

}