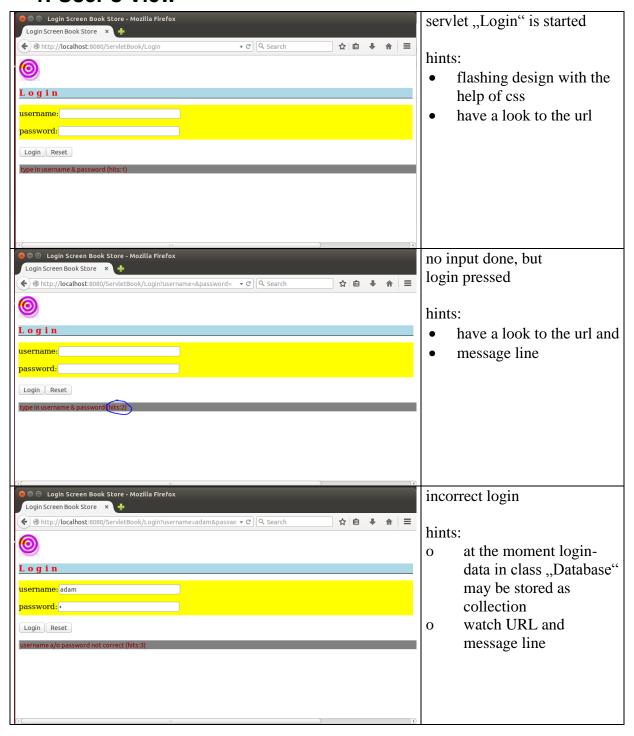
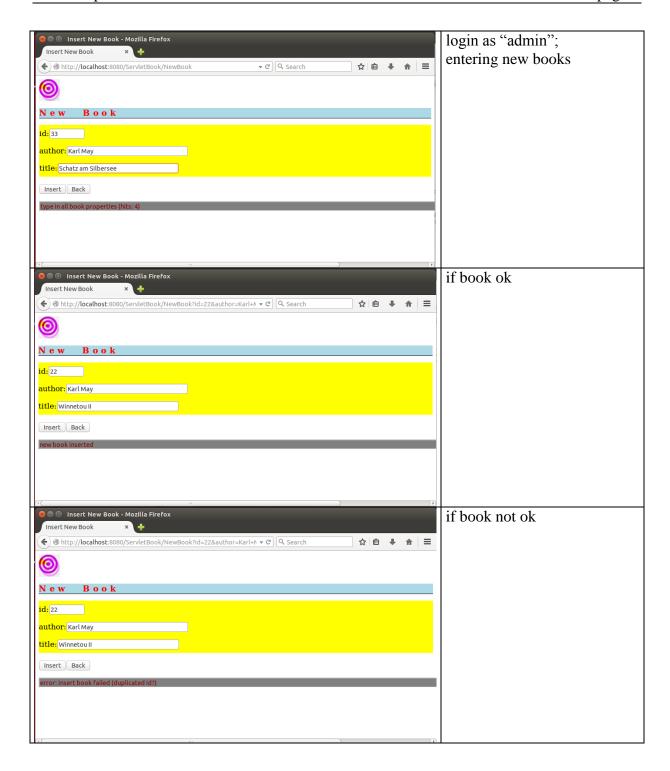
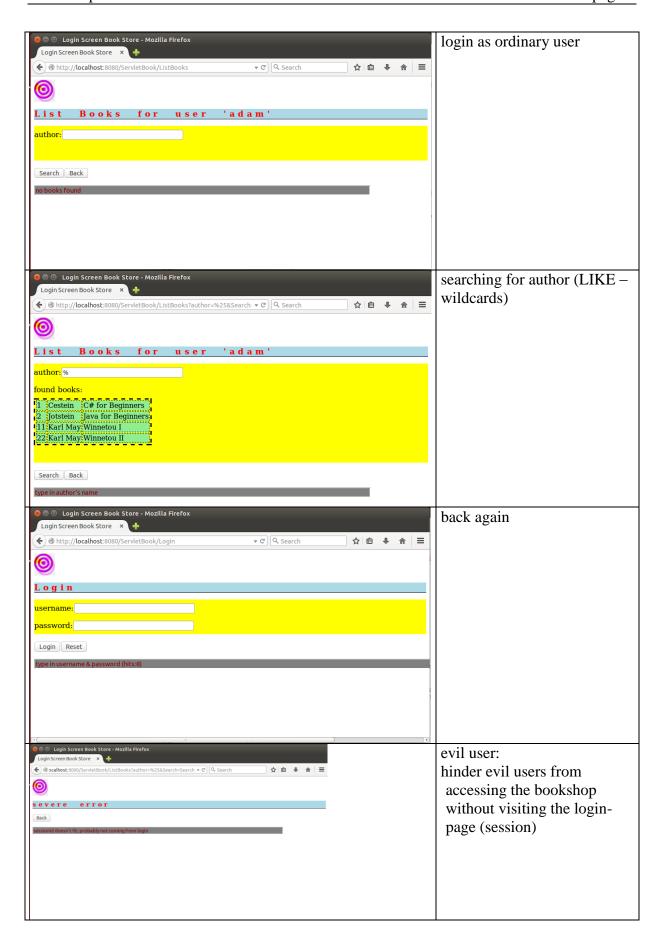
1. User's View







Hints

o oracle – tables: *users*, *books*

```
DROP TABLE orders CASCADE CONSTRAINTS;
DROP TABLE users CASCADE CONSTRAINTS;
DROP TABLE books CASCADE CONSTRAINTS;
CREATE TABLE users (
    username VARCHAR2(20),
    password VARCHAR2(20),
    CONSTRAINTS pk_user PRIMARY KEY (username));
CREATE TABLE books (
    id INTEGER,
        title VARCHAR2(50),
        author VARCHAR2(20),
        CONSTRAINTS pk_books PRIMARY KEY (id)
);
INSERT INTO users VALUES('admin', 'secret');
INSERT INTO users VALUES('adam', 'adam');
INSERT INTO users VALUES('eva', 'eva');
```

- o test multi-user ability and think about possible problems
- o url-redirect:

```
String url = response.encodeRedirectURL(
request.getContextPath() + "/MenueAdmin");
response.sendRedirect(url);
```

Code-Snippet - 1

```
<u>File Edit View Navigate Source Refactor Run Debug Profile Team Tools Win</u>
                                                                                                                                                                               Q. Se
                                                 → ∅· 7 % ▷· Б· •
   "WebServlet(asyncSupported = false, name = "Login", urlPatterns = {"/Login"})
public class Login extends javax.servlet.http.HttpServlet implements javax.servlet.Servlet {
Anu.

Min Maven Reposic.

Cloud

Min Hudson Builders

Task Repositories

JS Test Driver

Selenium Server
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                                                        static final long serialVersionUID = 1L;
private HttpServletResponse response = null;
private PrintWriter pw = null;
                                                        public Login() {
                                                             super();
db = Database.newInstance();
hits = 0;
                                                        /* (non-Java-doc)
| * @see javax.servlet.http.HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
   hits - Naviga... × easyUML Expl...
  Members ▼ ⟨empty> ▼ 🖫
                                                        Override
protected void <a href="mailto:docert">docert</a>(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
htts++;

    Login()
    doGet(HttpServletRequest reque

    initResponse(HttpServletResponse)
                                                             String username = null,
password = null;
       writeLoginForm(String usernan
                                                            Eind: ctx
```

Code-Snippet - 2

```
🖻 Login.java 🗴 🙆 ListBooks.java 🗴 🗟 NewBook.java 🗴
Source History | 🚱 👨 - 🗐 - 💆 👨 👺 🖶 📮 🖟 😓 😭 💇 💇 | 🥚 🔲 | 🛍 🚅
           public ListBooks() {
              super();
db = Database.newInstance();
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              hits = 0:
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           protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
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                   verifySession(request);
                  hits++;
//if page already shown and SEARCH pressed
if (request.getParameter("Search") != null) {
                      author = request.getParameter("author");
initResponse(response);
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                      writeListBookForm(username, author, "type in author's name (hits: " + hits + ")");
                   else if (request.getParameter("Back") != null) {
                       String url = response.encodeRedirectURL(request.getContextPath() + "/Login");
response.sendRedirect(url);
                      username = request.getSession().<mark>getAttribute</mark>("username").toString();
 private void verifySession(HttpServletRequest request) throws Exception {
       HttpSession session = request.getSession();
       if ((session.getAttribute("sessionId") == null)
                   || !session.getId().equals(session.getAttribute("sessionId").toString())) {
             throw new Exception("sessionid doesn't fit; probably not coming from login");
```