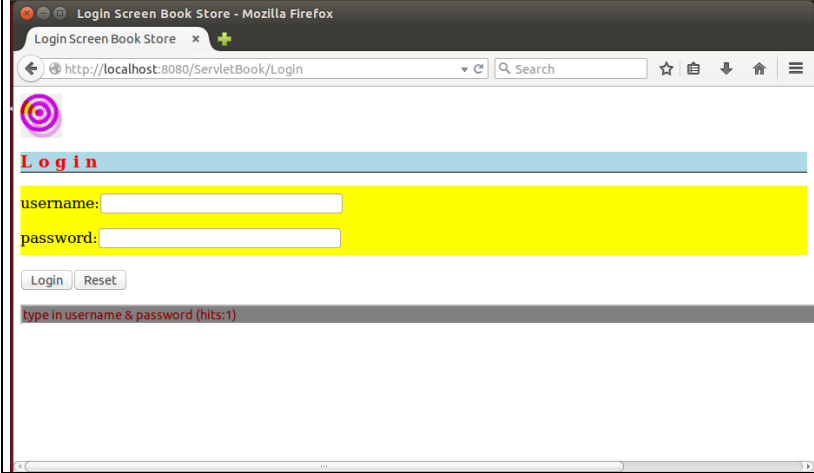
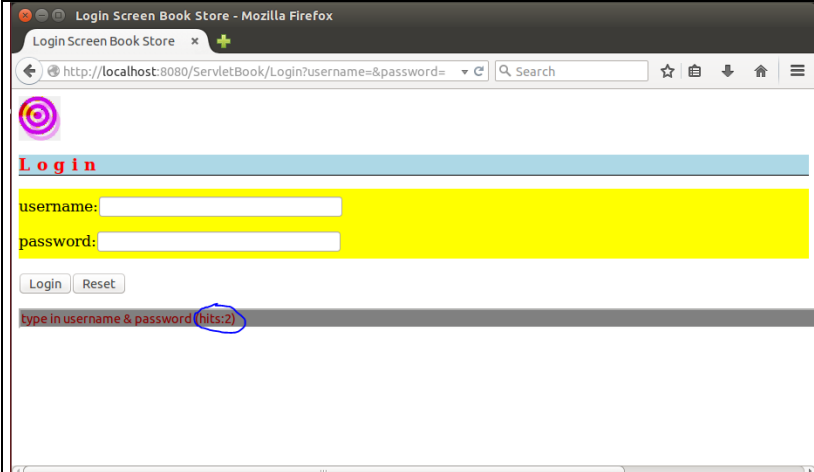
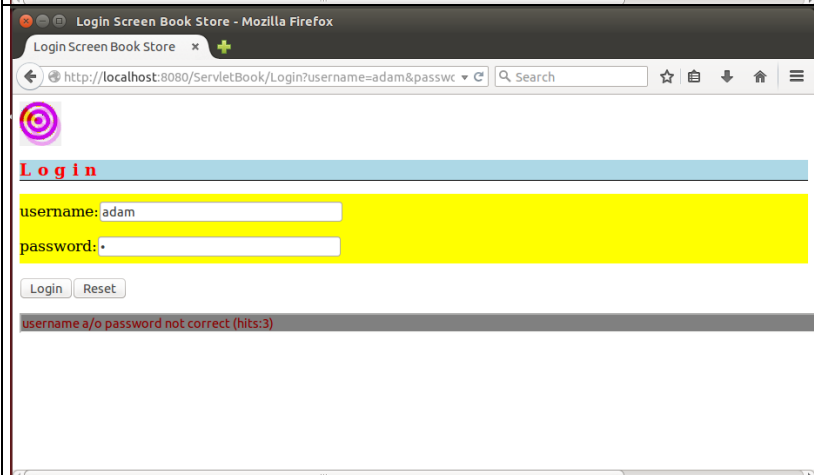
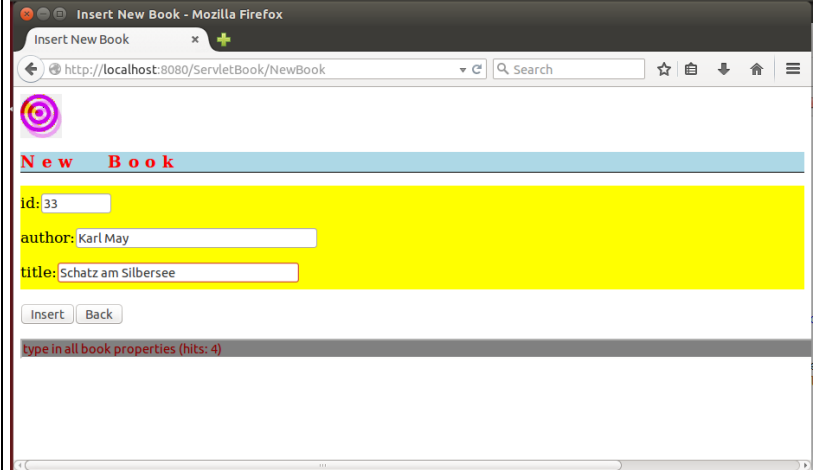
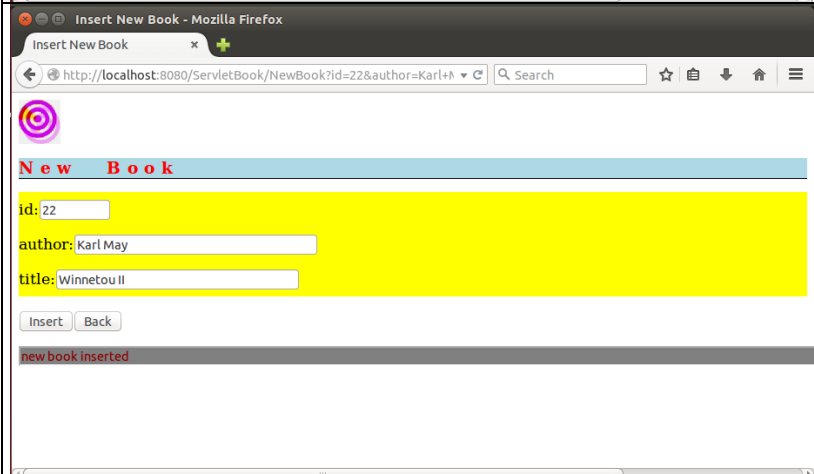
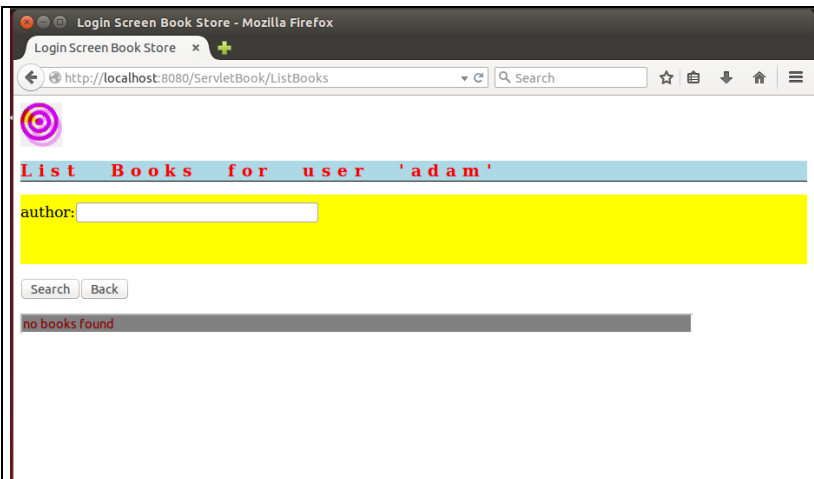
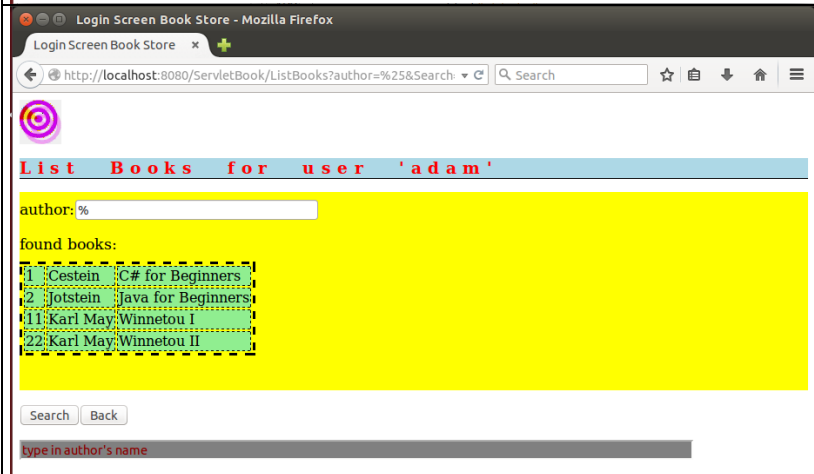
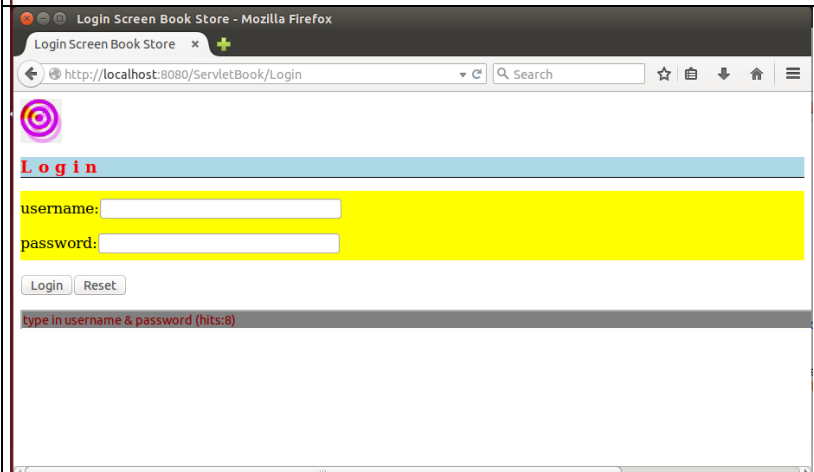
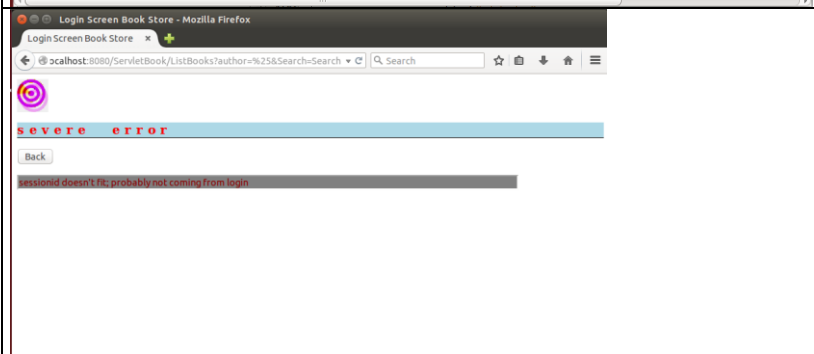


1. User's View

	<p>servlet „Login“ is started</p> <p>hints:</p> <ul style="list-style-type: none">• flashing design with the help of css• have a look to the url
	<p>no input done, but login pressed</p> <p>hints:</p> <ul style="list-style-type: none">• have a look to the url and• message line
	<p>incorrect login</p> <p>hints:</p> <ul style="list-style-type: none">o at the moment login-data in class „Database“ may be stored as collectiono watch URL and message line

	login as “admin”; entering new books
	if book ok
	if book not ok

	login as ordinary user
	searching for author (LIKE – wildcards)
	back again
	evil user: hinder evil users from accessing the bookshop without visiting the login- page (session)

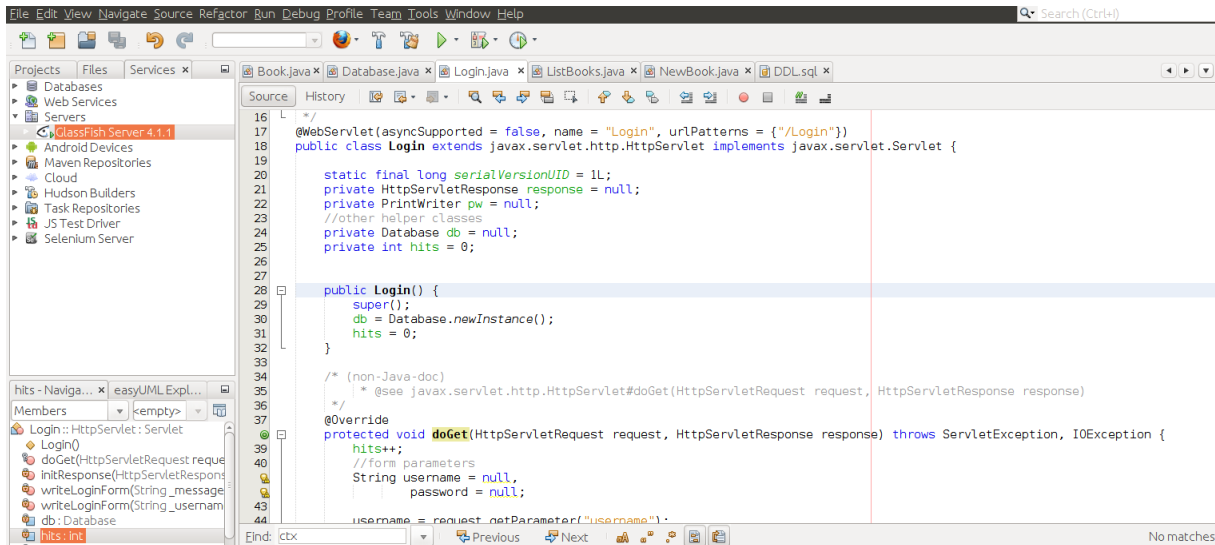
Hints

- 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() + "/MenuAdmin");  
response.sendRedirect(url);
```

Code-Snippet - 1



Code-Snippet – 2

