



Pengembangan Web Praktik

Flask Session + Authentication

Endang Anggiratih, S.T., M.Cs.

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Materi perkuliahan

- 1 Perkenalan, Silabus, Pengenalan Konsep web dan server
- 2 Dasar UI/UX Design, Instalasi Flask
- 3 Integrasi, HTML & CSS Dasar
- 4 Integrasi Flask View Template
- 5 Integrasi Flask Bootstrap dan Mysql CRUD
- 6 Penerapan Session pada Flask
- 7 Responsi
- 8 Konsep microservices dan Rest API pada Flask
- 9 Migration Model CRUD Rest API pada Flask
- 10 Penerapan API JWT pada Flask
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What is Cookies?



Web cookie is a small piece of data a server sends to a user's web browser. The browser may store cookies, create new cookies, modify existing ones, and send them back to the same server with later requests.

What is Sessions?



Web session is a sequence of network HTTP request and response transactions associated with the same user. **Sessions are a way of storing information about a user on the server-side.**

How it works?



Using session in Flask



```
1 from flask import Flask, session ◀  
2  
3 app = Flask(__name__)  
4 app.secret_key = "secret"  
5
```

Import package

Define secret key

Set and Access Session Data

```
1 @app.route('/login', methods=['POST'])
2 def login():
3     session['username'] = request.form['username']
4     return 'Logged in'
5
6 @app.route('/profile')
7 def profile():
8     if 'username' in session:
9         return 'Welcome, ' + session['username']
10    return 'You are not logged in'
11
```

Checking session key

Set session value

Remove Data from Session



```
1 @app.route('/logout')
2 def logout():
3     session.pop('username', None)
4     return 'Logged out'
5
6 @app.route('/logout_all')
7 def logout_all():
8     session.clear()
9     return 'Logged out from all sessions'
```

Remove specific data

Remove all entire session data

Use Permanent Sessions

```
1 from datetime import timedelta
2
3 @app.before_request
4 def make_session_permanent():
5     session.permanent = True
6     app.permanent_session_lifetime = timedelta(days=7)
7
```

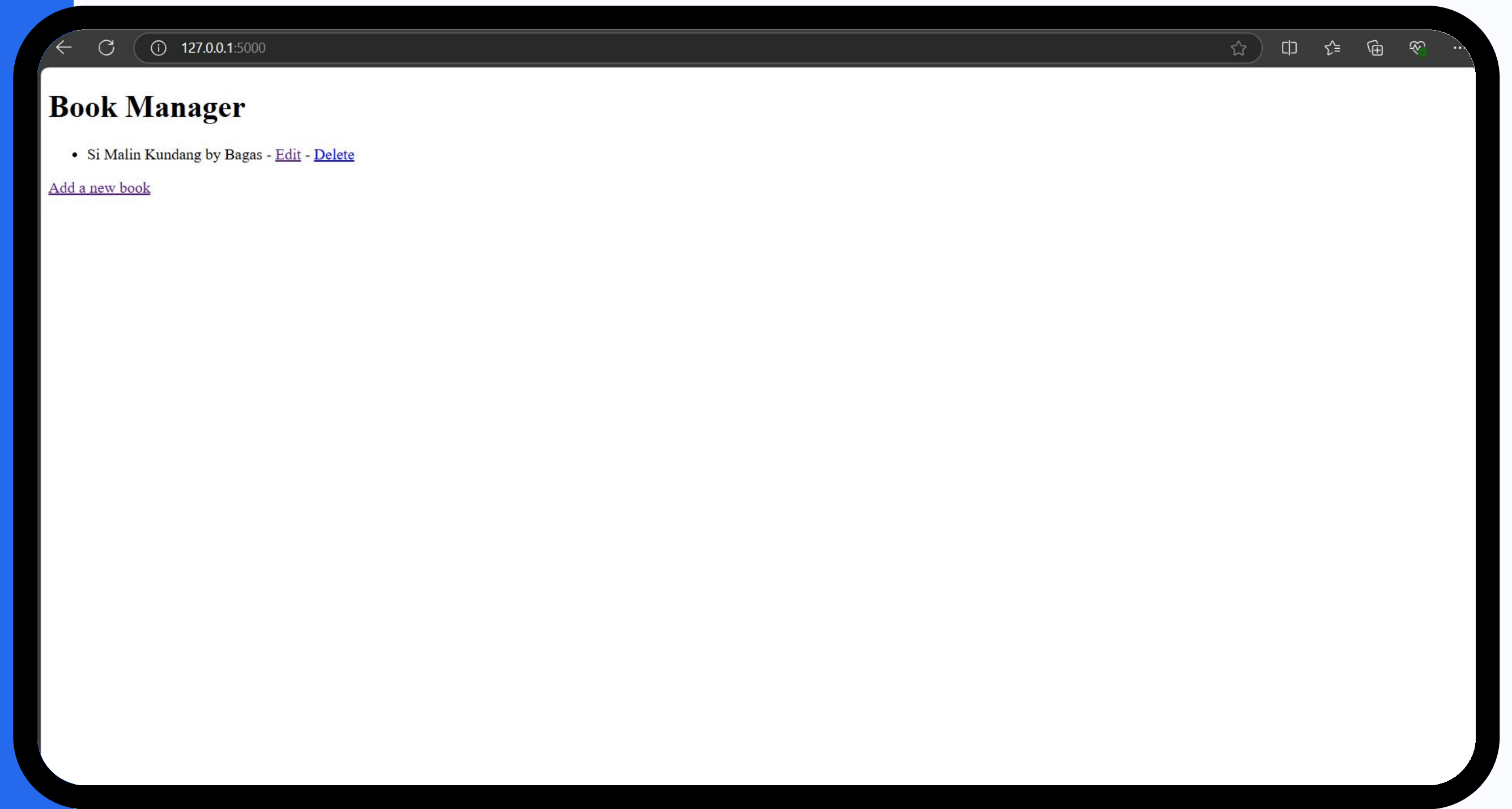
Define route

Adjust duration



But, this will affect to
CSRF Attack risks

Let's implement with last project!



Download in:
share.aliepr.my.id/pweb-05



UTY



Let's dive into Flask!

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