

Dele på godsakene

Distribusjon

-
- Dele kode på GitHub
 - Installerbar pip pakke
 - Webapplikasjon
 - Kontainer
 - Distribuerbar pyinstaller pakke
-

pip pakke

```
% pip install git+https://github.com/kbotnen/b3dtools.git
```

```
% python3 -m build  
% pip install dist/b3dtools-0.1.1-py3-none-any.whl --force-reinstall
```

```
>>> import b3dtools  
>>> help(b3dtools)
```

```
>>> from b3dtools import b3d  
>>> b3d.b3d_dice.throw(10)  
[6, 1, 6, 3, 6, 2, 6, 4, 3, 5]
```

pyinstaller pakke

PyInstaller



stable

```
% pip install pyinstaller  
  
% pyinstaller cliexample.py --onefile  
  
% pyinstaller guiexample.py --noconsole
```

Hva er en webapplikasjon?



Du

Hva er en webapplikasjon?



Copilot

✓ Genererer svar til deg ...

En webapplikasjon er en dynamisk nettside som gir merverdi til brukeren ved å reagere på data som brukeren gir den¹. I motsetning til en tradisjonell nettside, som bare viser informasjon, kan en webapplikasjon utføre oppgaver og interagere med brukeren på en mer avansert måte¹.



Du

what is a webapplication?



Copilot

✓ Genererer svar til deg ...

A web application, or web app, is a software program that you can access and use through a web browser over the internet. Unlike traditional applications that you need to download and install on your device, web apps run on web servers and are accessed via a web browser like Chrome, Firefox, or Safari¹².

Here are some key characteristics of web applications:

- **Accessibility:** You can use them on any device with a web browser and an internet connection, making them highly accessible.
- **Platform Independence:** They work across different operating systems (Windows, macOS, Linux, etc.) without needing specific adaptations.
- **Ease of Updates:** Updates are applied on the server side, so users always access the latest version without needing to download updates.
- **Reduced Storage:** They don't take up space on your device since they run on remote servers.

Examples of web applications include email services like Gmail, online document editors like Google Docs, and social media platforms like Facebook¹²³.

INNHOLD GENERERT AV KI

Hva legger du i begrepet webapplikasjon?

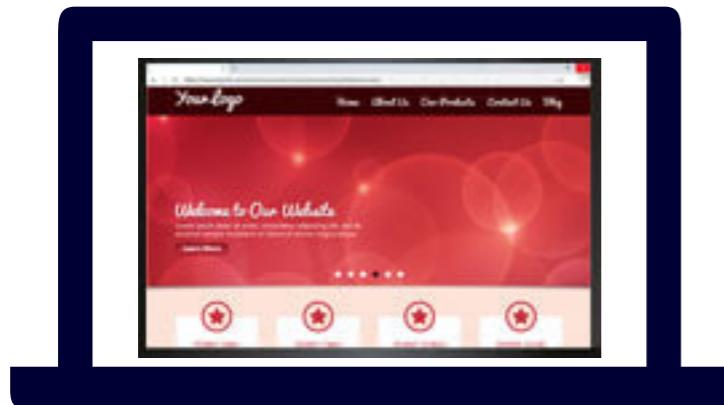
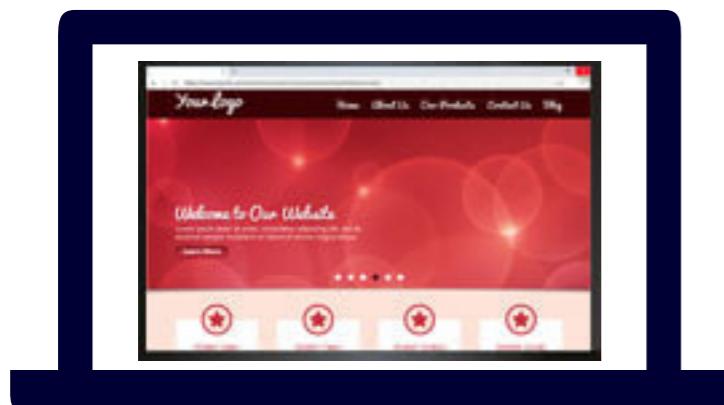
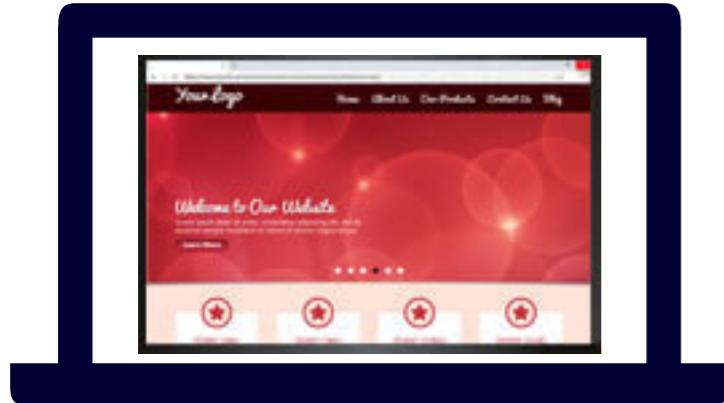
Hva er en webapplikasjon?

31 responses

lett distribuert klient	web app	client-side	grafisk og interaktiv nettbasert program programvare via nettleser applikasjon i skyen	nettside med info
et program		server-side	applikasjon på nett	
	program		nettside	
		api	en app som kjører på nett interaksjon	node
			infonettside	nettside interaktiv skript
			websider generert vha app	
			app som kjøres via browse	
			program på nett	trenger ikke nedlasting

Litt informatikk teori

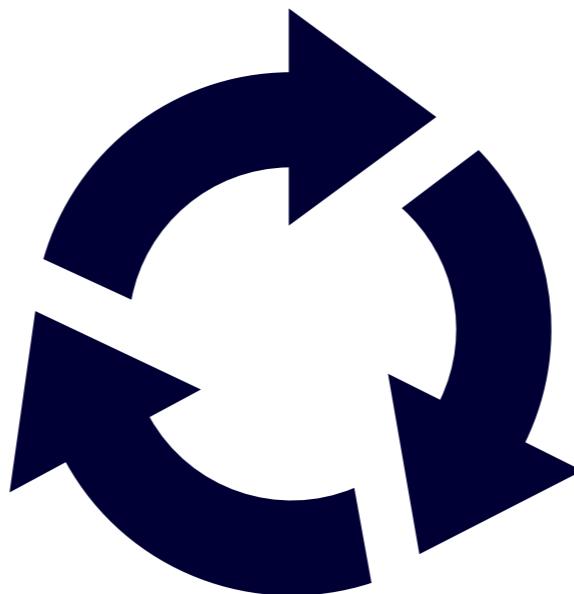
Klient



Tjener

A dark blue icon representing a server computer, containing a code editor window with Python code demonstrating a POST request.

```
In [20]:  
# The POST method is used to post data, such as files or forms on the web.  
# Essentially the POST method enables the creation of new resources. A  
# successful POST request will typically return a status code of 201.  
  
import requests  
  
url = "https://jsonplaceholder.typicode.com/posts"  
data = {"title": "Sample POST request", "body": "How to make a POST request"}  
response = requests.post(url=url, data=data)  
print(f"The response status is {response.status_code}\n")  
  
The response status is 201
```



Litt informatikk teori

Klient



GET request

```
curl -X GET https://jsonplaceholder.typicode.com/posts/1
```

Response

Tjener



POST request

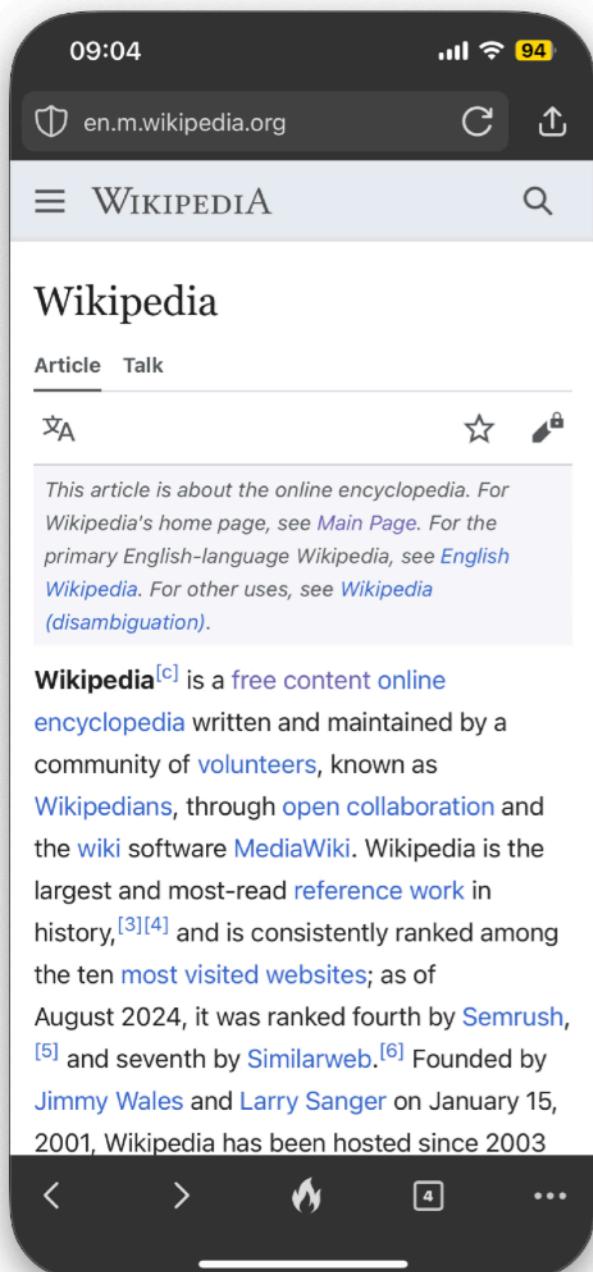
```
curl -X POST -d "userId=5&title=Hello World&body=Post body." https://jsonplaceholder.typicode.com/posts
```

Response

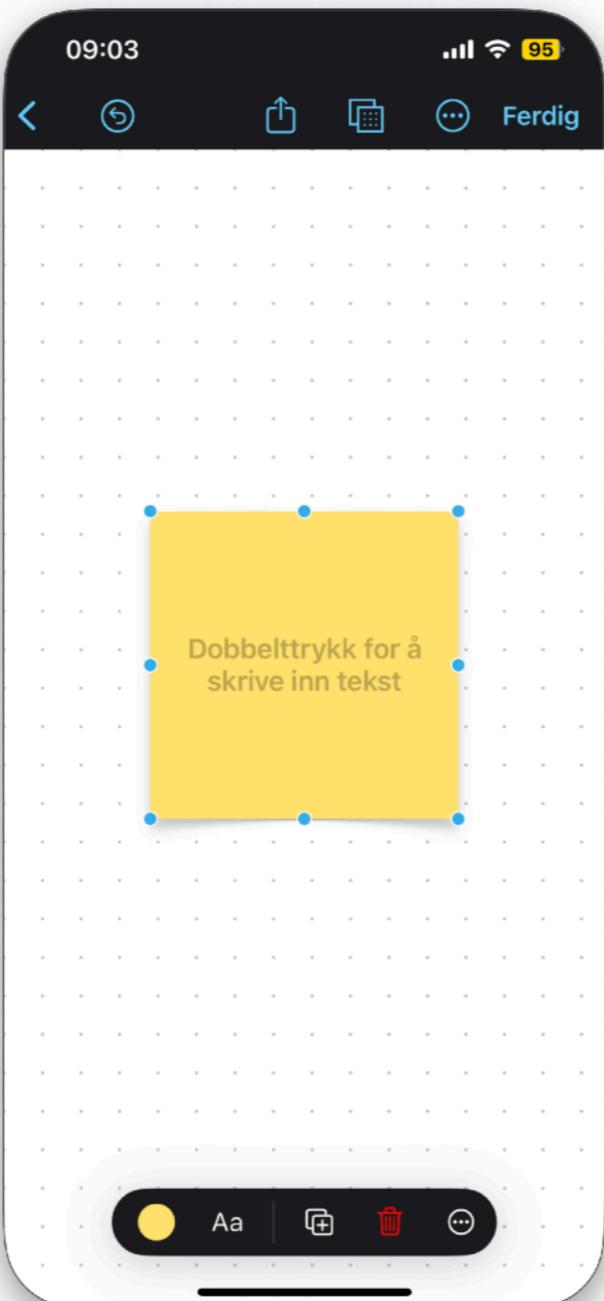


Tre oppgaver

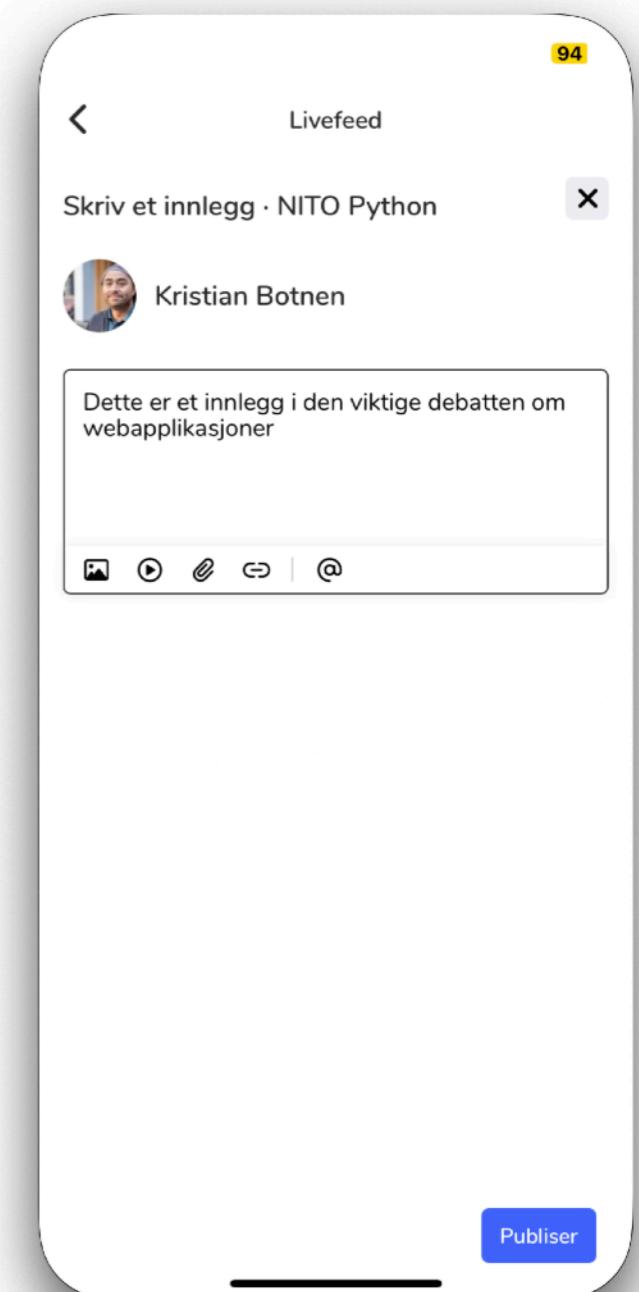
Presentere



Interagere



Lagre





```
<!DOCTYPE html>
<html>
<head>
<title>Nettsidens tittel</title>
<style>
body {
    background-color: lightgrey;
}

h1 {
    color: green;
    text-align: center;
}
</style>
</head>
<body>

<h1>Min webapplikasjon</h1>

<button type="button"
onclick="document.getElementById('demo').innerHTML = Date()">
Klikk her for å vise dagens dato.</button>

<p>Dette er en paragraf.</p>

<p id="demo"></p>

</body>
</html>
```

Min webapplikasjon

Klikk her for å vise dagens dato.

Dette er en paragraf.

Sun Oct 06 2024 08:07:32 GMT+0200 (sentraleuropeisk sommertid)



Virtuelt kjøremiljø

```
% conda create -n flask python=3.12.6
```

```
% conda activate flask
```

```
% python3 -m venv flask
```

```
% source flask/bin/activate
```

Flask kommandoer

```
% pip install flask
```

```
% pip install -r requirements.txt
```

```
% flask --app webapp run
```

```
% flask --app webapp run --debug
```