

# Data Object Model (DOM)

#javascript

## Preface

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Local web server: some parts of JS need a server to operate correctly. A local server is web server that runs on your local computer in order to host these websites for testing and development.

Port: in web terms, port is a numbered address that allows data traffic to flow. Ports must be opened and ready to receive data if it can be used

URL: URL is directed using a domain name service (DNS), your computer has a domain server and it will tell you where this url should go. It tells you where to go by returning an IP address.

Localhost: localhost is the local address for a development computer. It only points to the computer you are currently using. It is also written 127. 0.0.1 (this number will always go to your local machine)

TLDR: if you type in localhost in a browser, it will not go out into the worldwide web ever, it is on your local machine that is hosting information. <http://127.0.0.1>

## Setting up a local host

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1. In the terminal, go the folder that you wish to be in
2. In the terminal, type: `python3 -m http.server 5000`
3. Now you can go into the your browser and type in: `localhost:5000`

General rule: **DO NOT** host a directory that may contain anything personal or confidential in that directory.

After you have set up this local host you will hit CTRL-C in the terminal and it will exit the localhost.

What is it?

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DOM