



Bootstrap & CSS

Introductory Workshop

Overview

- What is web design?
- How you create a website layout
- How Bootstrap helps you with your design

What prerequisites do you need?

- General interest in web design
- Follow the Documentation
- Google is your friend

Let's start with HTML

“The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.”

~Wikipedia

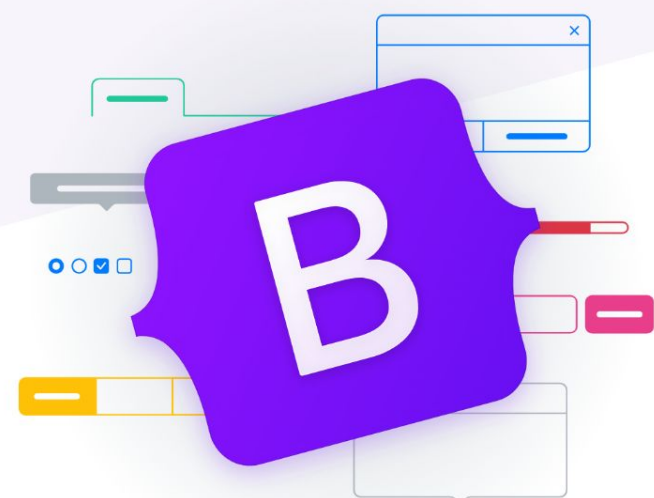
→ static sites (Text, Pictures etc.)

Cascading Style Sheets (CSS)

- <https://en.wikipedia.org/wiki/CSS>
- Cascading: Order of application of layout features
- Sass: customize it even more

Build fast, responsive sites with Bootstrap

Quickly design and customize responsive mobile-first sites with Bootstrap, the world's most popular front-end open source toolkit, featuring Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful JavaScript plugins.



[Get started](#)

[Download](#)

Currently **v5.1.3** · [v4.6.x docs](#) · [All releases](#)

About Bootstrap

- Do not have to build everything on your own
- Prebuilt components (e.g. Buttons etc.)

Some examples

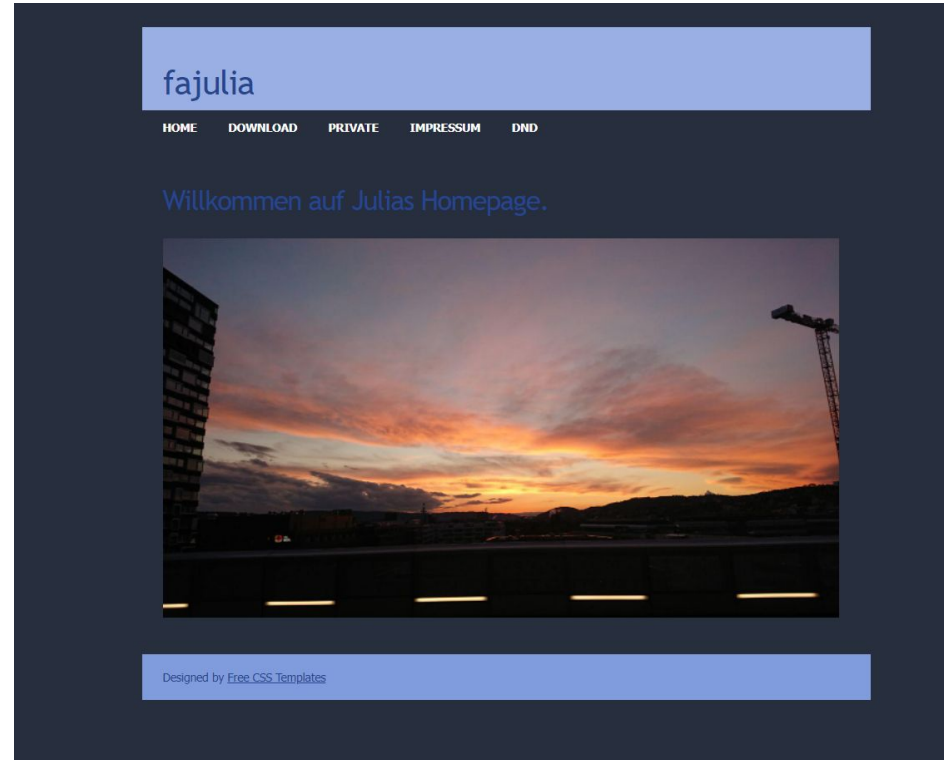
Redesign your own ETH-Webpage

Every ETH student has a personal webpage

- <https://n.ethz.ch/~username/>
- Disclaimer: BOT der ETH Zürich vom 19. April 2005 (Stand 1. Juni 2021):
 - *Private, persönliche Inhalte von ETH-Angehörigen sind, mit Ausnahme von Lebensläufen, Publikationen o.ä. der Forschenden, auf den öffentlichen ETH-Webseiten nicht zulässig. Für die Einrichtung von persönlichen Webseiten können die Informatikdienste zentral entsprechende Systeme zur Verfügung stellen.*

Julias Webpage (<https://n.ethz.ch/~fajulia/>)

- The product of “1st semester Julia”



Let's get started

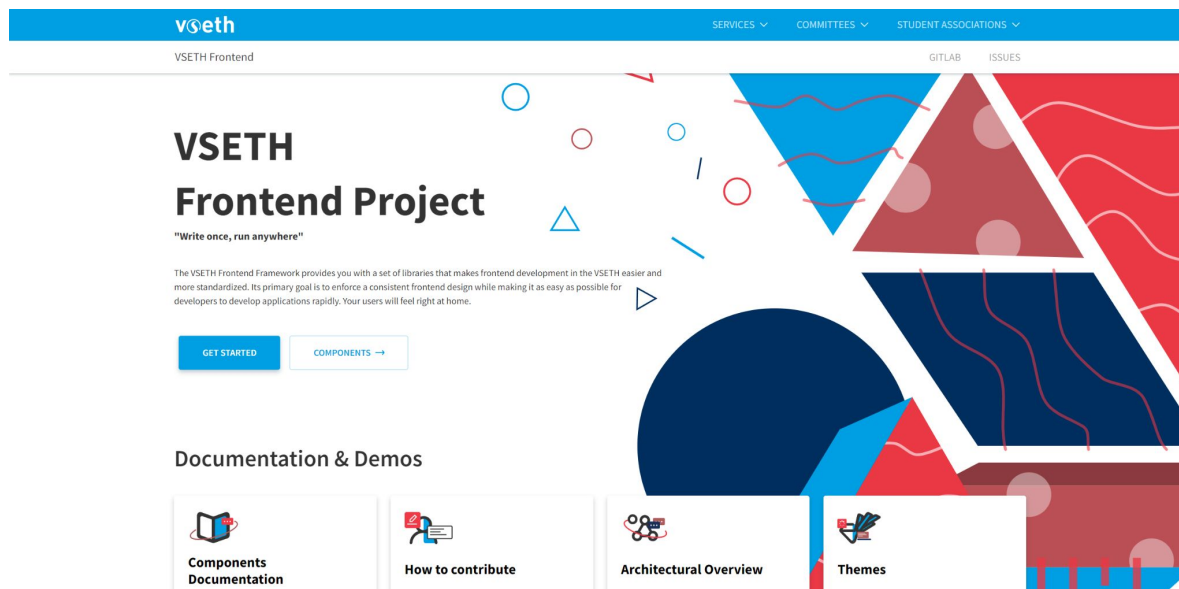
- step -by-step
- Connect with your website
- Download examples, source code
- Copy the Starter Template into your index

Helpful Things

- Bootsrap-HowTo:
<https://getbootstrap.com/docs/5.1/getting-started/download/>
- ETH-Website:
<https://ethz.ch/services/de/it-services/katalog/web-applikationen-hosting/personal-website.html>
- **Ctrl + Shift + I** in Browser: You can analyze the structure of a website

Outlook

- Bootstrap with react: reactstrap
- Specific VSETH components (fe.vseth.ethz.ch)



The screenshot shows the homepage of the VSETH Frontend Project. The header features the VSETH logo on the left and navigation links for SERVICES, COMMITTEES, and STUDENT ASSOCIATIONS on the right. Below the header, the main content area is titled "VSETH Frontend Project" with the tagline "Write once, run anywhere". A paragraph describes the project's goal: "The VSETH Frontend Framework provides you with a set of libraries that makes frontend development in the VSETH easier and more standardized. Its primary goal is to enforce a consistent frontend design while making it as easy as possible for developers to develop applications rapidly. Your users will feel right at home." Two buttons, "GET STARTED" and "COMPONENTS →", are positioned below the text. The background is a colorful abstract graphic with geometric shapes in blue, red, and dark blue. At the bottom, a section titled "Documentation & Demos" contains four cards: "Components Documentation" (with a book icon), "How to contribute" (with a person and speech bubble icon), "Architectural Overview" (with a gear icon), and "Themes" (with a palette icon).

