Практика №4: CSS-Фреймворки

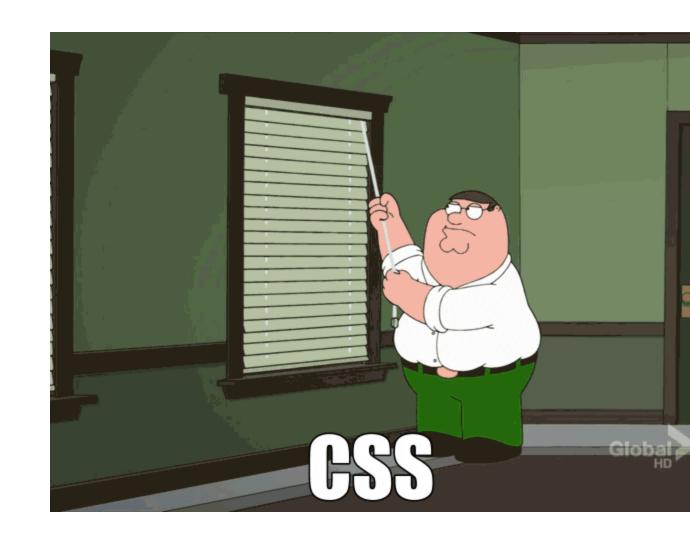
Web-программирование / ПГНИУ

Верстать сложно

Flex, Grid, адаптивность, кроссбраузерность, доступность...

Бывает, что:

- Не требуется уникальный дизайн
- Интерфейс состоит из стандартных элементов
- Прототипирование, MVP



CSS-фреймворк

CSS фреймворк (UI kit, UI фреймворк) - библиотека для быстрой вёрстки веб-страниц

- Готовые CSS стили, часто компоненты
- CSS файлы, иногда JS скрипты для интерактивных компонентов
- Иногда следуют дизайн системе
- Часто имеет возможности конфигурирования, расширения, создания тем

Примеры

- Классические:
 - B Bootstrap
 - Material Design Lite, MaterializeCSS
 - E Zurb Foundation
 - ∘ **\$** Bulma
 - Semantic UI
 - ∘ **Ů** UIKit
- Микро-фреймворки: P Yahoo PureCSS, S Skeleton
- Utility-first: **Tailwind CSS**, **Windi CSS**, Tachyons

Основные концепции

- Подключаются CSS и JS файлы библиотеки
- Предустановлены стили "типографии": шрифт, текст, ссылки и др.
- Стили макета: сетка, контейнер, колонки
- Стили различных компонентов, их частей и их модификаторов
- Утилитные классы классы отвечающие за определённые свойства, а не компоненты:

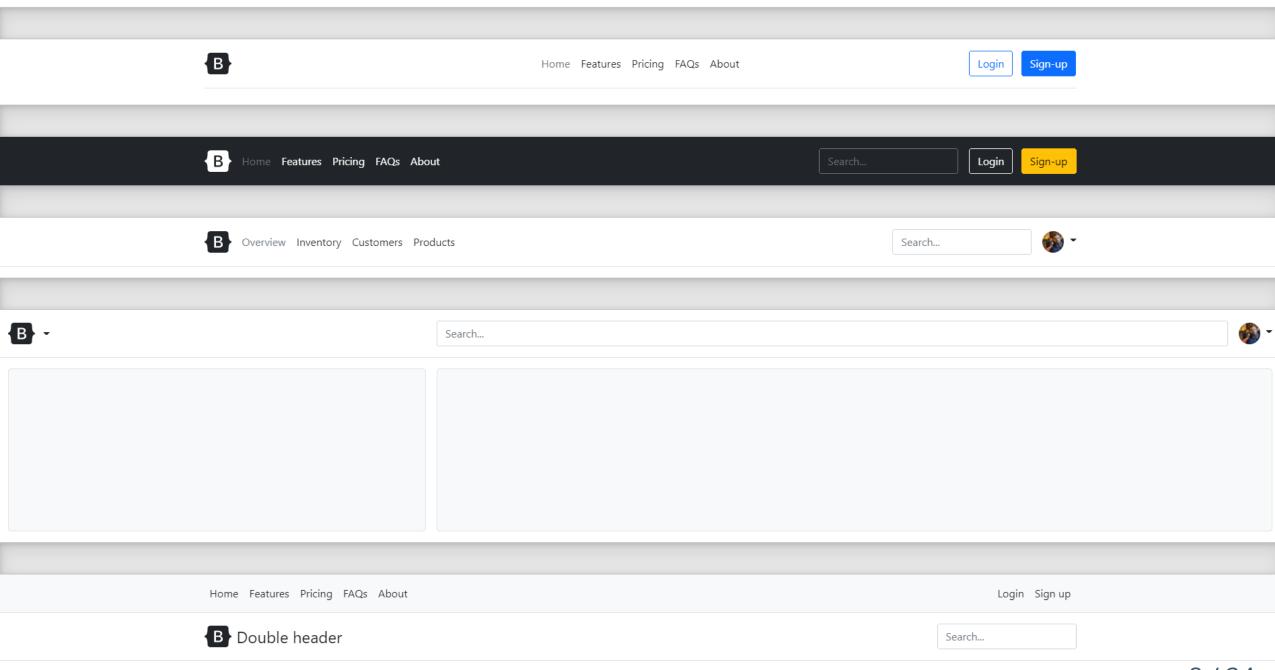
```
.text-center, .d-block, .p-absolute, .bg-dark
```

• Конфигурация через CSS переменные, препроцессоры или системы сборки

B Bootstrap

- Самый популярный CSS фреймворк долгие годы
- Стили страницы, сетка
- Компоненты
- Интерактивные компоненты, валидация форм
- Утилитные классы
- Широкая кастомизация
- Большая экосистема тем

Column Column Column





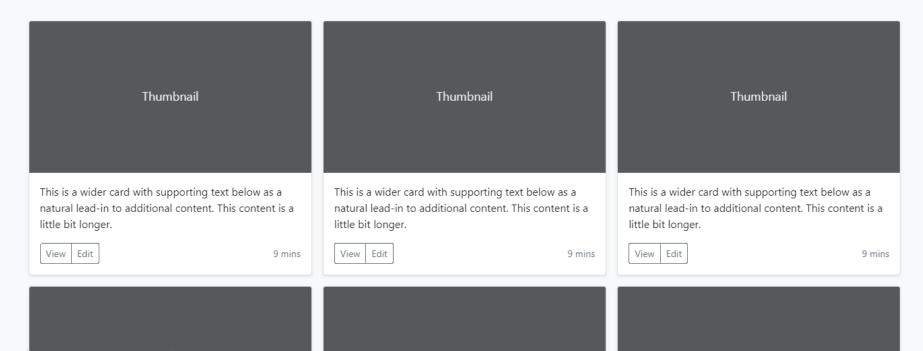
Thumbnail

Album example

Something short and leading about the collection below—its contents, the creator, etc. Make it short and sweet, but not too short so folks don't simply skip over it entirely.

Main call to action

Secondary action





Checkout form

Below is an example form built entirely with Bootstrap's form controls. Each required form group has a validation state that can be triggered by attempting to submit the form without completing it.

Billing address			Your cart	3
First name	Last name		Product name Brief description	\$12
Username			Second product Brief description	\$8
@ Username			Third item Brief description	\$5
Email (Optional) you@example.com		Promo code EXAMPLECODE	-\$5	
Address			Total (USD)	\$20
1234 Main St			Promo code	Redeem
Address 2 (Optional)				
Apartment or suite				
Country Stat Choose Close	e noose v	Zip		
☐ Shipping address is the same as my b☐ Save this information for next time	illing address			

O Debit card

World U.S. <u>Technology</u> <u>Design</u> <u>Culture</u> <u>Business</u> <u>Politics</u> <u>Opinion</u> <u>Science</u> <u>Health</u> <u>Style</u> <u>Travel</u>

Title of a longer featured blog post

Multiple lines of text that form the lede, informing new readers quickly and efficiently about what's most interesting in this post's contents.

Continue reading...

World

Featured post

Nov 12

This is a wider card with supporting text below as a natural lead-in to additional content.

Continue reading

Design

Post title

Nov 11

Thumbnail

This is a wider card with supporting text below as a natural lead-in to additional content.

Continue reading

Thumbnail

From the Firehose

Sample blog post

January 1, 2021 by Mark

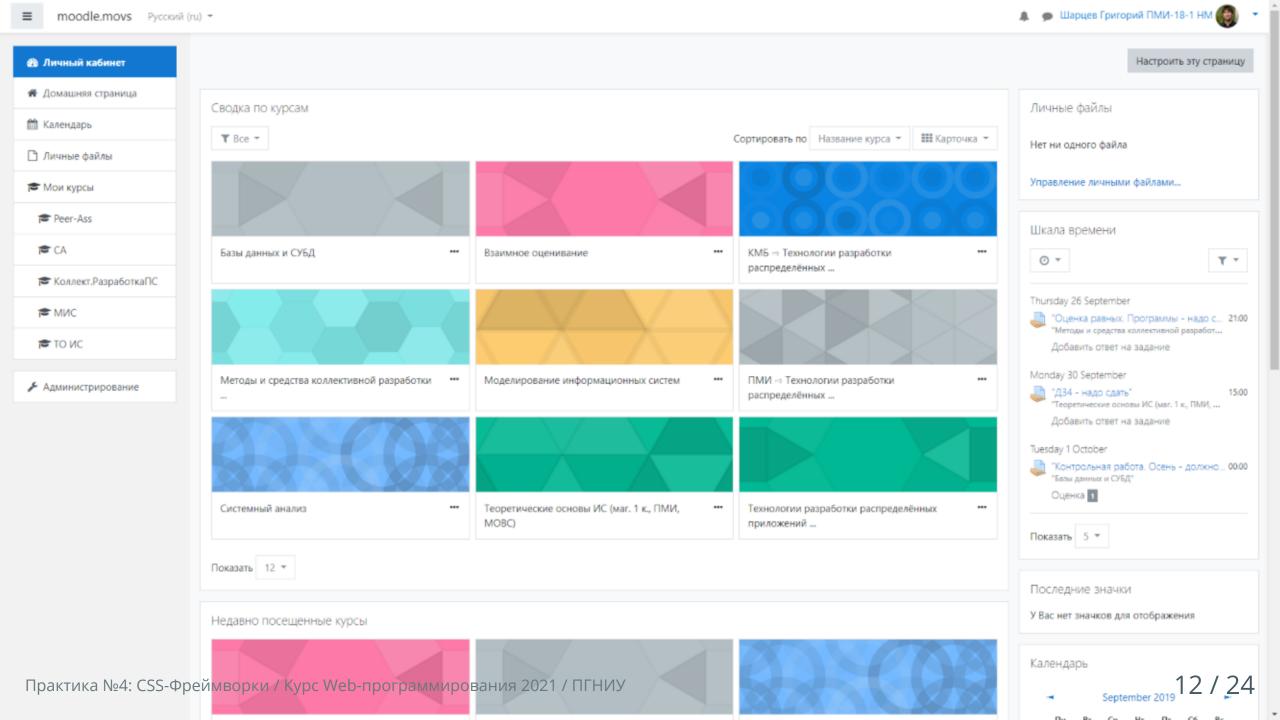
This blog post shows a few different types of content that's supported and styled with Bootstrap. Basic typography, lists, tables, images, code, and more are all supported as expected.

About

Customize this section to tell your visitors a little bit about your publication, writers, content, or something else entirely. Totally up to you.

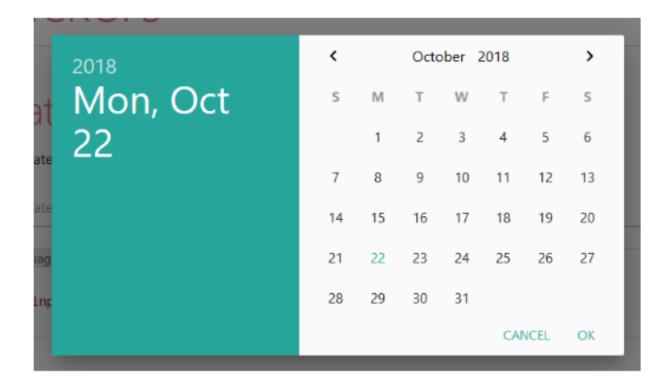
Archives

March 2021 February 2021 January 2021 December 2020

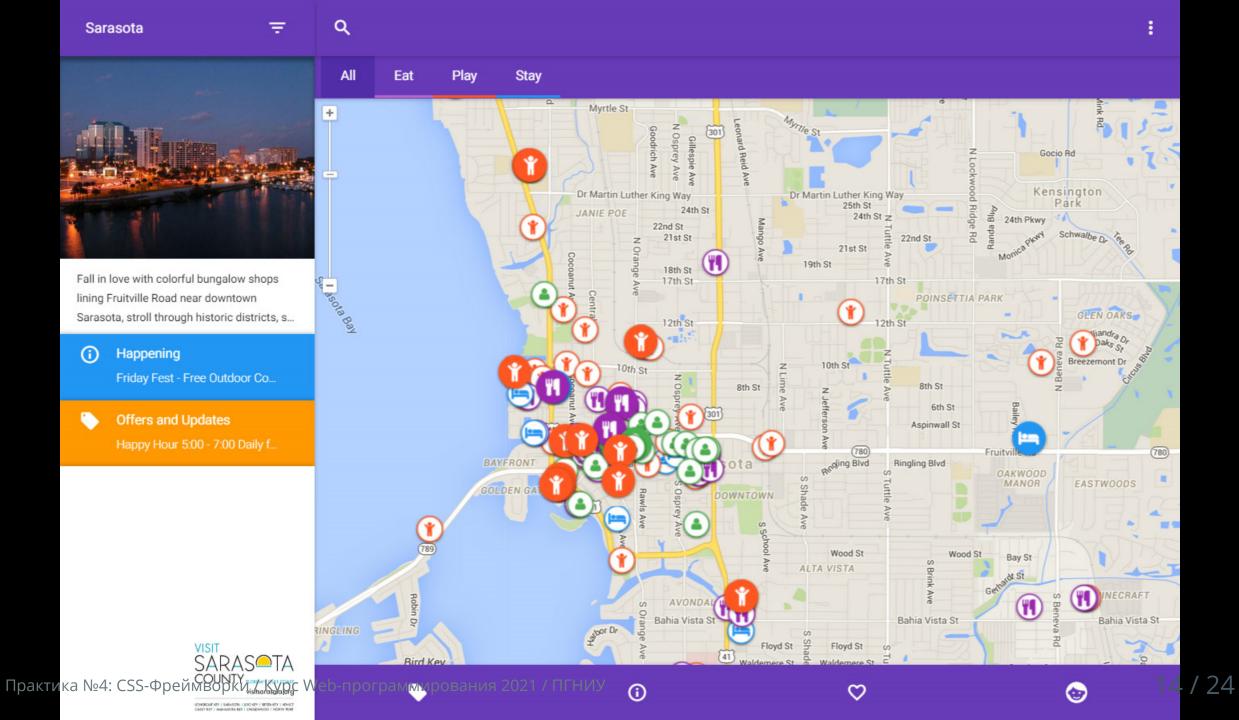




Peaлизует **дизайн систему** Material Design







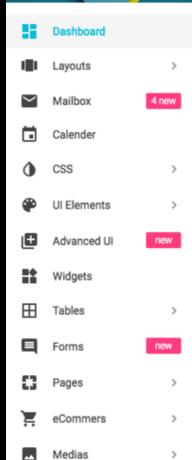


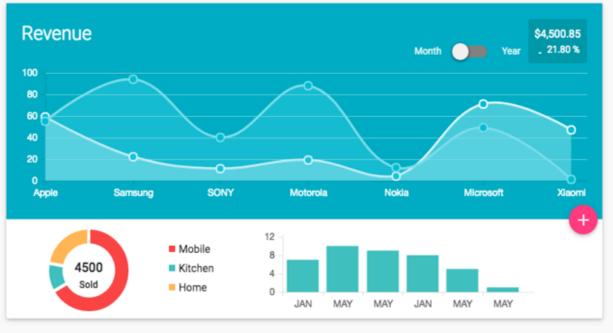






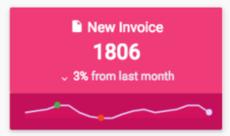








* New Clients 566 ↑ 15% from yesterday 44.00.00







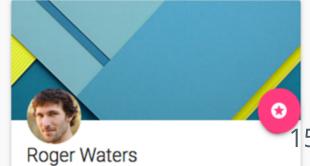
My Task

March 26, 2015

Create Mobile App UI. Today Mobile App

Практика №4: CSS-Фреймворки / Курс Web-программирования 2021 / ПГНих Сheck the new API standerds. Monday

Flight June 18, Thu 04:50 **SFO** LDN



Charts



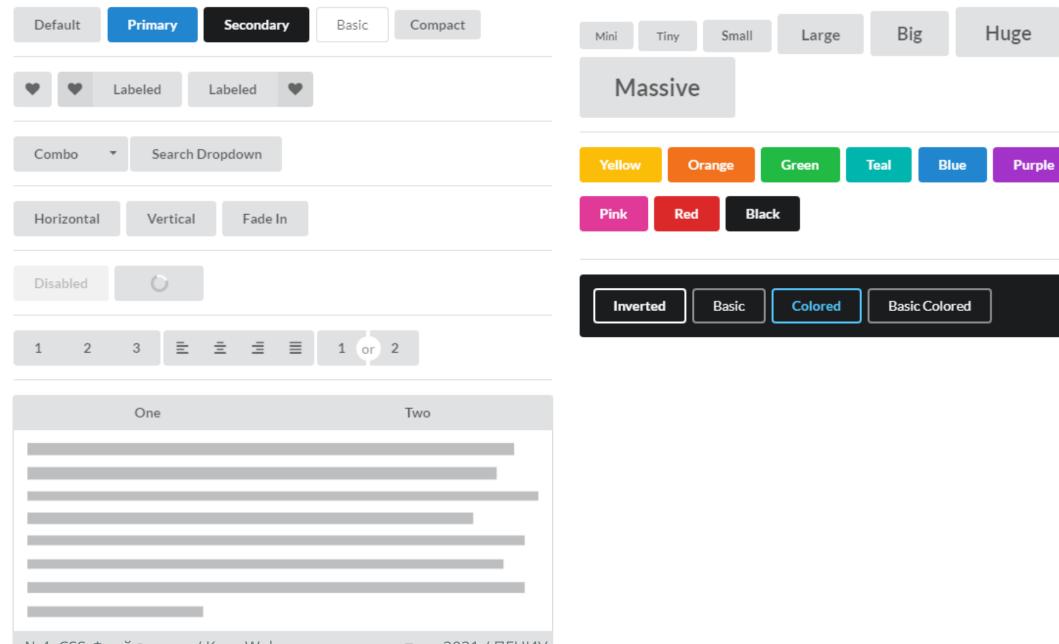
Notice

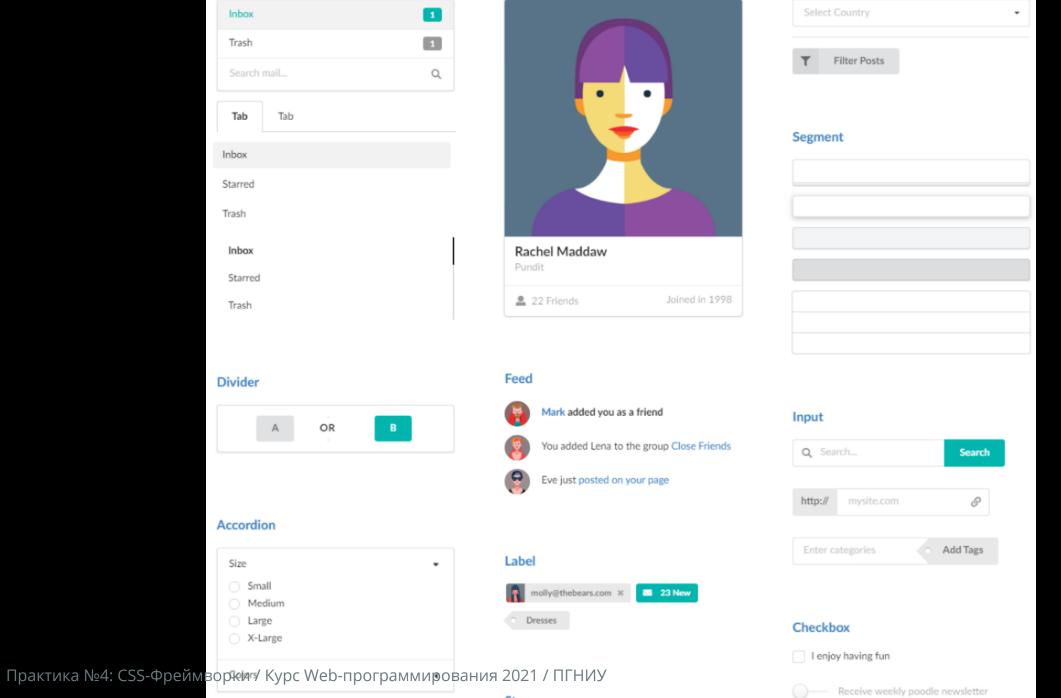
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Lorem Ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Semantic UI / Fomatic UI

One Two Three

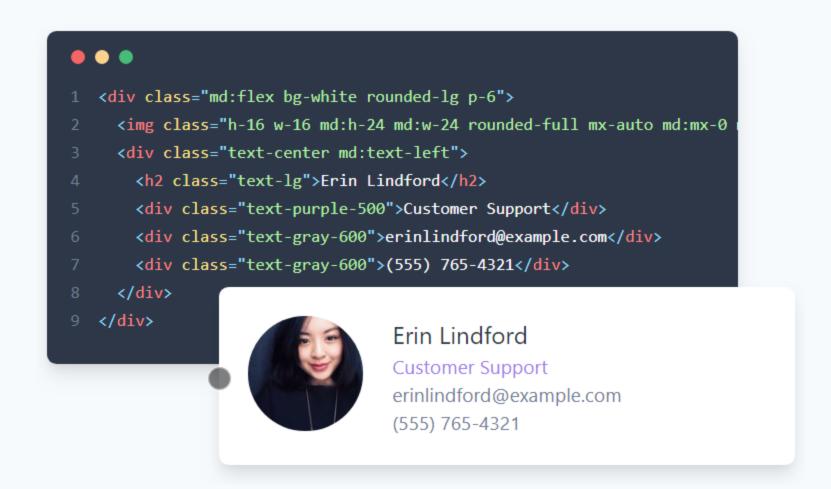




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tailwindcss Utility-first CSS framework



Font Awesome

- 1500+ бесплатных иконок (svg, font)
- Эффект, комбинации, модификаторы

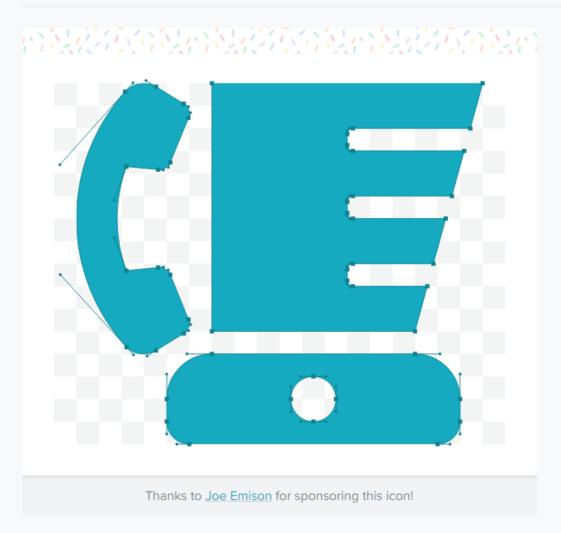




blender-phone

Solid Style (fas) • 🌿 • f6b6 • <i class="fas fa-blender-phone"></i> • 🚣

Updated: Version 5.4.0













Start Using This Icon









Ссылки

- https://purecss.io, http://getskeleton.com
- https://getbootstrap.com
- https://getmdl.io, <a h
- https://getuikit.com
- https://semantic-ui.com
- https://get.foundation
- https://bulma.io
- https://fontawesome.com
- https://tailwindcss.com, <a href="https://tailwindcss

Пример

https://replit.com/@ShGKme/We
b-Bootstrap

