

Лабораторна робота № 1

Тема: Створення WEB-сторінки за допомогою HTML та CSS.

Мета: Навчитись створювати прості веб-сторінки, використовуючи основи HTML та CSS.

Хід лабораторної роботи

Постановка задачі

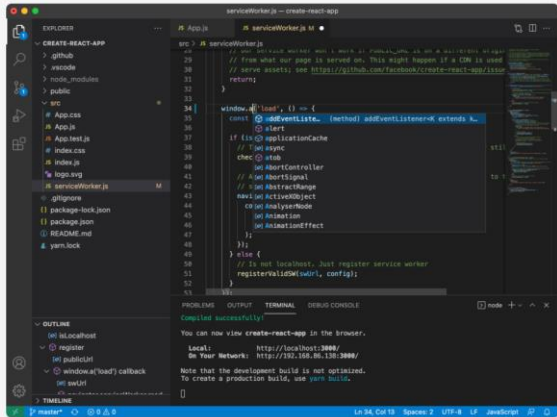
Реалізувати структуру веб-сторінки, використовуючи основи HTML та CSS за шаблоном, наведеним на рисунку.

Visual Studio Code - Open Source

The Repository

This repository ("Code - OSS") is where we (Microsoft) develop the Visual Studio Code product together with the community. Not only do we work on code and issues here, we also publish our [roadmap](#), [monthly iteration plans](#), and our [endgame plans](#). This source code is available to everyone under the standard [MIT license](#).

Visual Studio Code



Visual Studio Code is a distribution of the Code - OSS repository with Microsoft-specific customizations released under a traditional Microsoft product license.

Visual Studio Code combines the simplicity of a code editor with what developers need for their core edit-build-debug cycle. It provides comprehensive code editing, navigation, and understanding support along with lightweight debugging, a rich extensibility model, and lightweight integration with existing tools.

Visual Studio Code is updated monthly with new features and bug fixes. You can download it for Windows, macOS, and Linux on Visual Studio Code's website. To get the latest releases every day, install the Insiders build.

Contributing

There are many ways in which you can participate in this project, for example:

- Submit bugs and feature requests, and help us verify as they are checked in
- Review source code changes
- Review the documentation and make pull requests for anything from typos to additional and new content

If you are interested in fixing issues and contributing directly to the code base, please see the document [How to Contribute](#), which covers the following:

1. How to build and run from source
2. The development workflow, including debugging and running tests
3. Coding guidelines
4. Submitting pull requests
5. Finding an issue to work on
6. Contributing to translations

Development Container




This repository includes a Visual Studio Code Remote - Containers / GitHub Codespaces development container.

- For Remote - Containers, use the **Remote-Containers: Clone Repository in Container Volume...** command which creates a Docker volume for better disk I/O on macOS and Windows.
- For Codespaces, install the GitHub Codespaces extension in VS Code, and use the **Codespaces: Create New Codespace** command.

Docker / the Codespace should have at least **4 Cores** and **6 GB of RAM (8 GB recommended)** to run full build. See the development container README for more information.

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Розв'язання

1. Створено нову структуру проекту для веб сторінки, що включає файл сторінки index.html, папку styles, що включає файл стилю style.css та папку img, що включає основні зображення для сторінки.

2. Реалізовано структуру HTML-сторінки.

Код сторінки:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles/style.css"/>
  <title>LR 1</title>
</head>
<body>
  <h1>Visual Studio Code - Open Source</h1>
  <h3>The Repository</h3>
  <hr/>
  <p>This repository <b>("Code - OSS")</b> is where we (Microsoft) develop the
  <a href="https://code.visualstudio.com">Visual Studio Code</a> product together
  with the community. Not only do we work on code and issues here, we also publish
  our <a href="https://github.com/microsoft/vscode/wiki/Roadmap">roadmap</a>, <a
  href="https://github.com/microsoft/vscode/wiki/Iteration-Plans">monthly iteration
  plans</a>, and our <a href="https://github.com/microsoft/vscode/wiki/Running-the-
  Endgame">endgame plans</a>. This source code is available to everyone under the
  standard <a href="https://github.com/microsoft/vscode/blob/main/LICENSE.txt">MIT
  license</a>.</p>

  <h3>Visual Studio Code</h3>
  <hr/>
  <div class="container">
    
  </div>
  <p><a href="https://code.visualstudio.com">Visual Studio Code</a> is a
  distribution of the `Code - OSS` repository with Microsoft-specific
  customizations released under a traditional <a
  href="https://code.visualstudio.com/License/">Microsoft product license</a>.</p>
  <p><a href="https://code.visualstudio.com">Visual Studio Code</a> combines
  the simplicity of a code editor with what developers need for their core edit-
  build-debug cycle. It provides comprehensive code editing, navigation, and
  understanding support along with lightweight debugging, a rich extensibility
  model, and lightweight integration with existing tools.</p>
  <p>Visual Studio Code is updated monthly with new features and bug fixes. You
  can download it for Windows, macOS, and Linux on <a
  href="https://code.visualstudio.com/Download">Visual Studio Code's website</a>.
```

To get the latest releases every day, install the [Insiders build](https://code.visualstudio.com/insiders).

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-

- [Submit bugs and feature requests](https://github.com/microsoft/vscode/issues), and help us verify as they are checked in

- [Review source code changes](https://github.com/microsoft/vscode/pulls)

- [Review the documentation](https://github.com/microsoft/vscode-docs) and make pull requests for anything from typos to additional and new content

-

If you are interested in fixing issues and contributing directly to the code base, please see the document [How to Contribute](https://github.com/microsoft/vscode/wiki/How-to-Contribute), which covers the following:

-

- [How to build and run from source](https://github.com/microsoft/vscode/wiki/How-to-Contribute)

- [The development workflow, including debugging and running tests](https://github.com/microsoft/vscode/wiki/How-to-Contribute#debugging)

- [Coding guidelines](https://github.com/microsoft/vscode/wiki/Coding-Guidelines)

- [Submitting pull requests](https://github.com/microsoft/vscode/wiki/How-to-Contribute#pull-requests)

- [Finding an issue to work on](https://github.com/microsoft/vscode/wiki/How-to-Contribute#where-to-contribute)

- [Contributing to translations](https://aka.ms/vscodeloc)

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- For [Dev Containers](https://aka.ms/vscode-remote/download/containers), use the **Dev Containers: Clone Repository in Container Volume...** command which creates a Docker volume for better disk I/O on macOS and Windows.

- For Codespaces, install the [GitHub Codespaces](https://marketplace.visualstudio.com/items?itemName=GitHub.codespaces) extension in VS Code, and use the **Codespaces: Create New Codespace** command.

-

<p>Docker / the Codespace should have at least 4 Cores and 6 GB of RAM (8 GB recommended) to run full build. See the development container README for more information.</p>

```
<div class="section-header">
  <h2 class="block full-width">License</h2>
</div>
<hr/>
<p class="block full-width">Copyright (c) Microsoft Corporation. All rights reserved.<br/> Licensed under the <a href="LICENSE.txt" style="color:white;">MIT license</a>.</p>

<div class="emoji-container">
  <p class="emoji-block">👋</p>
  <p class="emoji-block">👉</p>
  <p class="emoji-block">👈</p>
</div>
</body>
</html>
```

3. Реалізовано стилістику для створеної сторінки, використовуючи CSS.

Код стилістики:

```
body {
  background-color: #F5F5F5;
}

h1 {
  background-color: #383377;
  color: white;
  text-align: center;
  padding: 25px;
  margin-bottom: 50px;
}

h2, h3 {
  font-family: 'Courier New', Courier, monospace;
  margin-left: 10%;
  margin-right: 10%;
}

h3 {
  font-size: 22px;
}

p {
  font-size: 18px;
```

```
    margin: 10px 0;
    margin-left: 10%;
    margin-right: 10%;
}

img {
    width: 50%;
    display: block;
    margin: 0 auto;
}

ul, ol {
    margin-left: 10%;
}

li {
    margin-left: 50px;
}

ul:last-child {
    align-content: center;
}

.section-header {
    margin-top: 40px;
}

.container {
    display: flex;
    justify-content: center;
}

.block {
    background-color: #333333;
    text-align: center;
    color: white;
    padding: 20px;
    margin-top: 50px;
}

.full-width {
    width: 100%;
    margin: 0;
}

.emoji-container {
    width: 100%;
    text-align: center;
    margin-top: 30px;
}
```

```
.emoji-block {
  background-color: #383377;
  border-radius: 50%;
  display: inline-flex;
  justify-content: center;
  align-items: center;
  margin: 0 40px 0 0;
  font-size: 25px;
  padding: 10px;
}
```

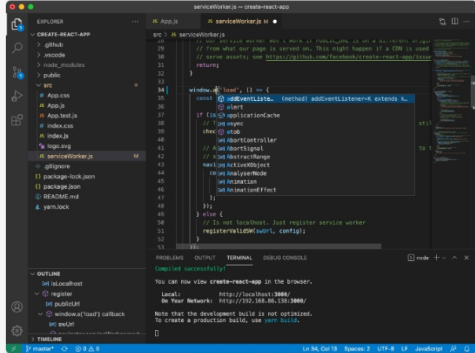
Результат роботи:

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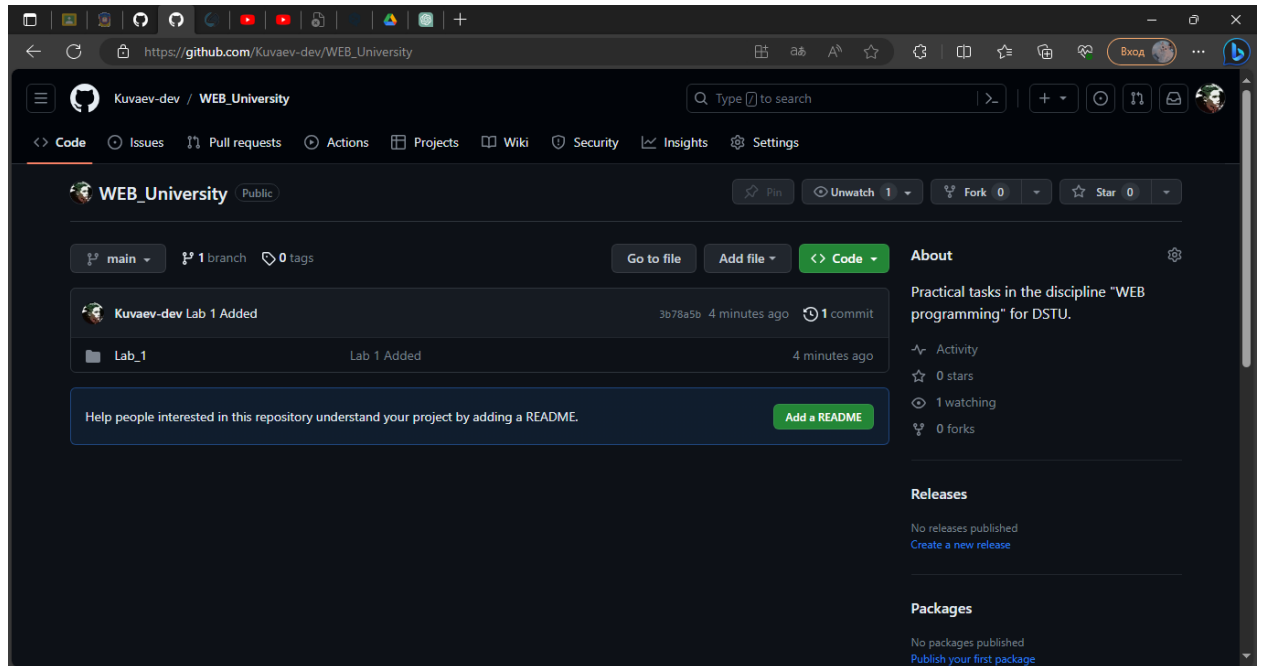
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4. Створено репозиторій GitHub для подальшого збереження усіх лабораторних робіт.



Висновок: У ході лабораторної роботи ми навчились створювати прості веб-сторінки, використовуючи основи HTML та CSS.