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# Developer Documentation

## Task

## • Provides a solution to a real-life problem.

## • Implements data storage and management functions. • Includes both server-side and client-side components following RESTful architecture. • The client-side component(s) are suitable for use on both desktop and mobile devices.

## Environment

* Home PC with an operating system capable of running executable files (e.g., Windows 7).
* HTML compiler, Code: Visual Studio Code development environment.

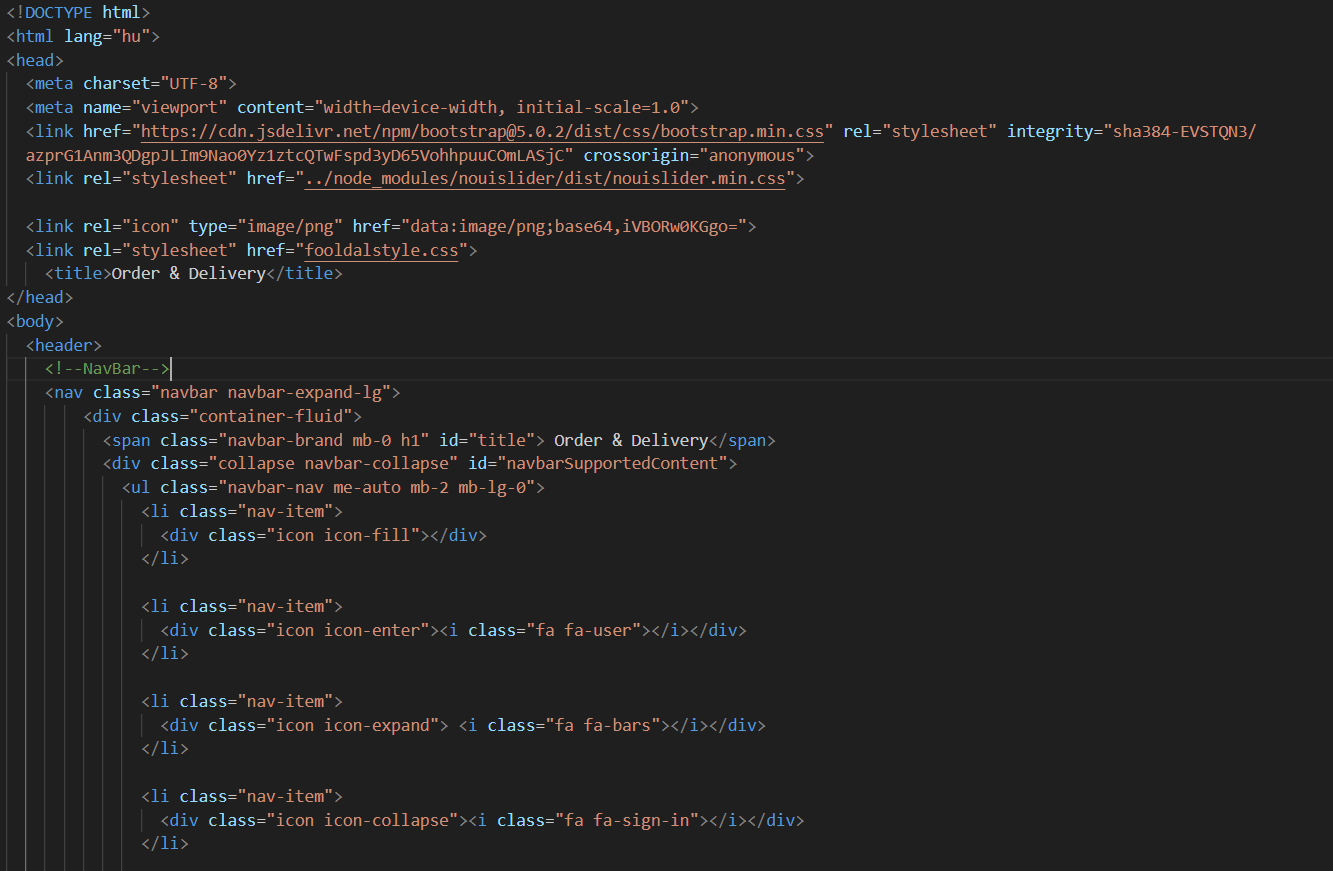
#### **Source Code**

The complete development material is available in the "Viszga" GitHub repository.

**Programming Languages Used**

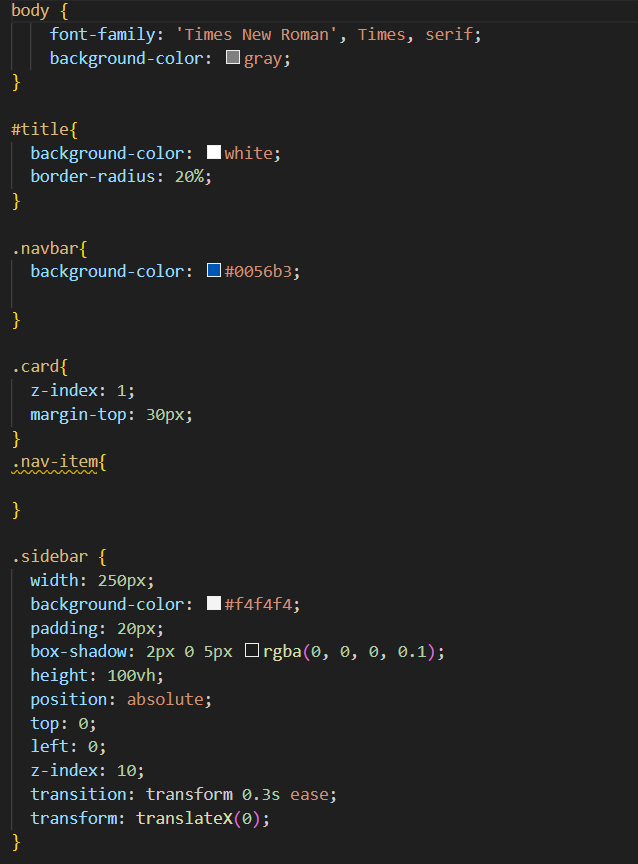
**HTML**

HTML (HyperText Markup Language) is a markup language developed for creating web pages and has become an internet standard supported by the W3C (World Wide Web Consortium). The current version is HTML5, which is a specific application of SGML (Standard Generalized Markup Language). It was intended to be replaced by XHTML, based on XML, but only a few websites have adopted it so far.



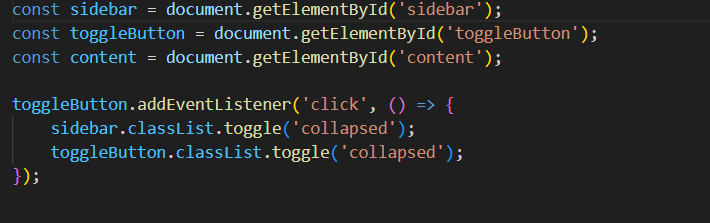
**CSS**

CSS (Cascading Style Sheets) is a stylesheet language used to define the appearance and layout of documents written in markup languages such as HTML or XML (including SVG, MathML, and XHTML). It is a cornerstone of the World Wide Web alongside HTML and JavaScript. CSS allows for the separation of content and presentation, improving accessibility and enabling different styles for various media types (e.g., screen, print, speech). The CSS specifications are maintained by the W3C.



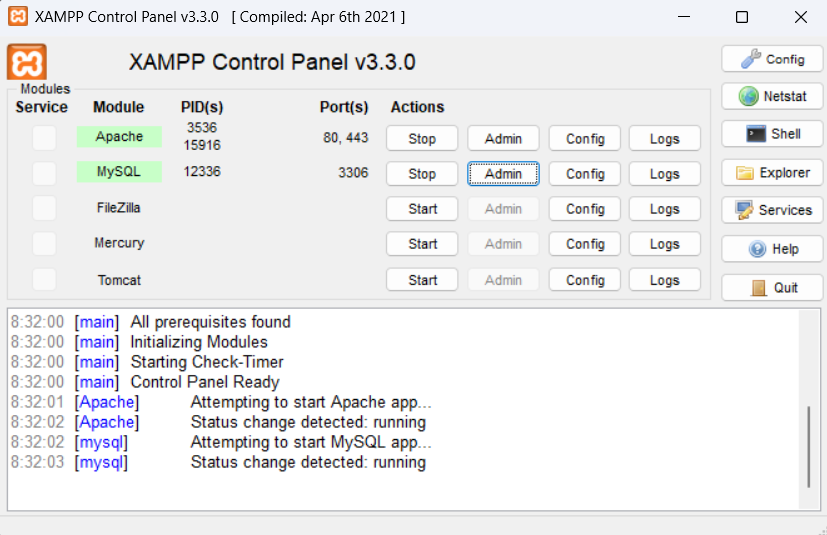
**JavaScript**

JavaScript (JS) is a programming language and a core technology of the web, alongside HTML and CSS. It is used on 99% of websites for client-side functionality. JavaScript is interpreted by dedicated browser engines and can also be executed on servers (e.g., Node.js). It follows the ECMAScript standard and supports multiple programming paradigms, including event-driven, functional, and imperative programming.



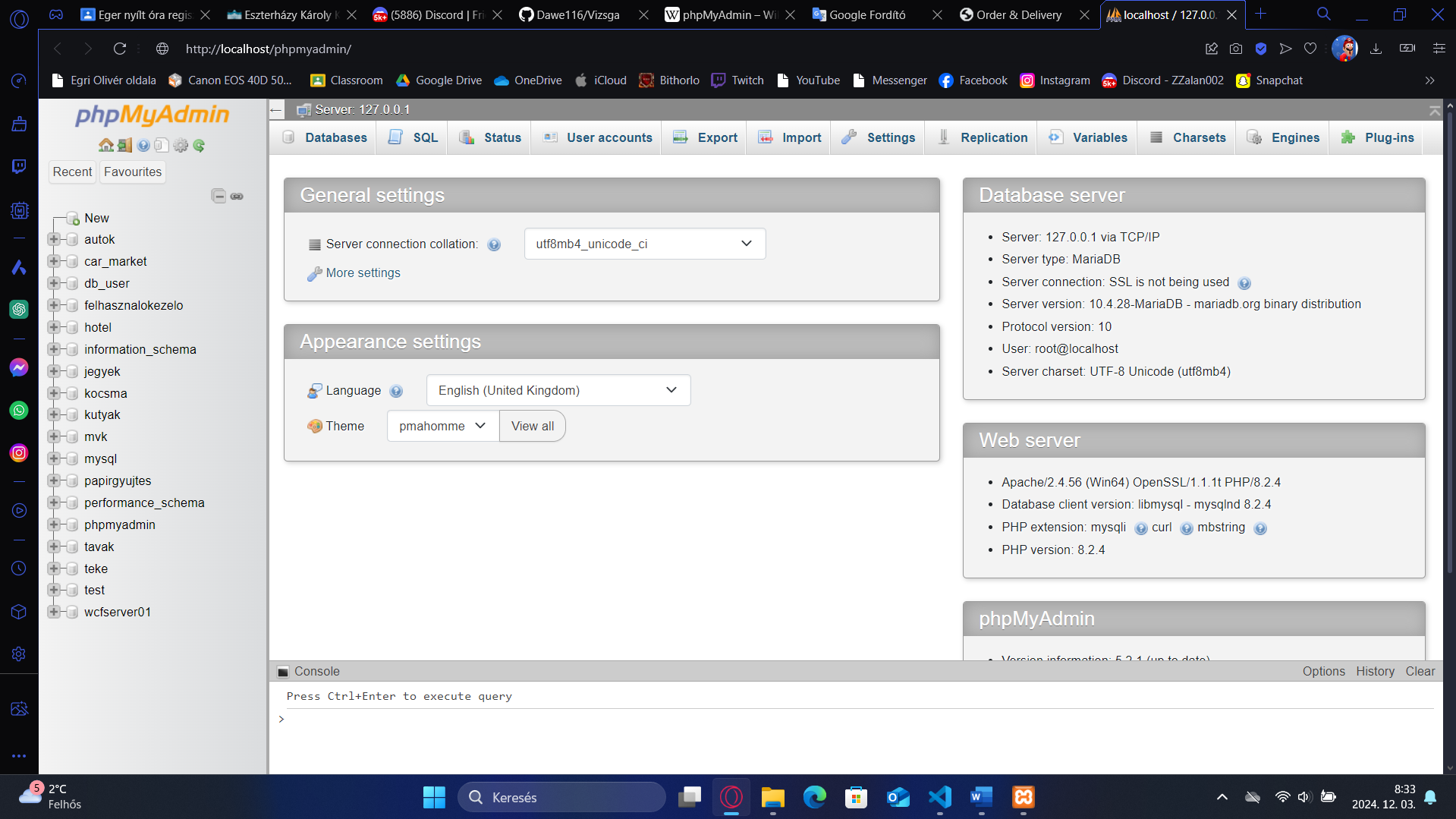
XAMPP

XAMPP is a free, open-source, cross-platform web server solution developed by Apache Friends. It primarily consists of the Apache HTTP Server, MariaDB database, and interpreters for PHP and Perl scripts. Since most live web server installations use the same components, XAMPP facilitates transitioning from local testing to live deployment. It simplifies the installation of common web applications like WordPress and Joomla! via Bitnami.



PHPMYADMIN

phpMyAdmin is an open-source tool written in PHP for managing MySQL databases via a web interface. It allows users to create, modify, and delete databases, tables, and fields, execute SQL commands, and manage keys. It can administer an entire MySQL server or individual databases, depending on user permissions.



The database management system (DBMS) is software that interacts with end users, applications, and the database itself to record and analyze data. The DBMS software also includes essential tools for managing the database. The combination of the database, the DBMS, and related applications is referred to as a database system. The term "database" is often used loosely to refer to the DBMS, the database system, or any application associated with the database.

## Solution

Program Structure:

**HTML code**

<!DOCTYPE html>

<html lang="hu">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

  <link rel="stylesheet" href="../node\_modules/nouislider/dist/nouislider.min.css">

  <link rel="icon" type="image/png" href="data:image/png;base64,iVBORw0KGgo=">

  <link rel="stylesheet" href="fooldalstyle.css">

    <title>Order & Delivery</title>

</head>

<body>

  <header>

    <!--NavBar-->

    <nav class="navbar navbar-expand-lg">

        <div class="container-fluid">

          <span class="navbar-brand mb-0 h1" id="title"> Order & Delivery</span>

          <div class="collapse navbar-collapse" id="navbarSupportedContent">

            <ul class="navbar-nav me-auto mb-2 mb-lg-0">

              <li class="nav-item">

                <div class="icon icon-fill"></div>

              </li>

              <li class="nav-item">

                <div class="icon icon-enter"><i class="fa fa-user"></i></div>

              </li>

              <li class="nav-item">

                <div class="icon icon-expand"> <i class="fa fa-bars"></i></div>

              </li>

              <li class="nav-item">

                <div class="icon icon-collapse"><i class="fa fa-sign-in"></i></div>

              </li>

              <li class="nav-item">

                <div class="icon icon-rotate"><i class="fa fa-phone"></i></div>

              </li>

            </ul>

            <form class="d-flex">

            </form>

          </div>

        </div>

      </nav>

      <!--NavBar vége-->

  </header>

      <!--Cards-->

      <div class="container-fluid">

        <div class="row">

          <div class="col-lg-3">

            <div class="card" style="width: 18rem;">

              <img src="./img/notavaible.jpg" class="card-img-top" alt="...">

              <div class="card-body">

                <h5 class="card-title">Card title</h5>

              </div>

            </div>

          </div>

          <div class="col-lg-3">

            <div class="card" style="width: 18rem;">

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          <div class="card-body">

            <h5 class="card-title">Card title</h5>

          </div>

        </div>

      </div>

    </div>

  </div>

      <!--Cards vége-->

            <!--Filter-->

            <div class="sidebar" id="sidebar">

              <h2>Szűrő</h2>

              <div class="filter-group">

                  <h3>Kategória: </h3>

                  <label><input type="checkbox" name="category" value="electronics"> Pizza</label>

                  <label><input type="checkbox" name="category" value="fashion"> Hamburger</label>

                  <label><input type="checkbox" name="category" value="home"> Tészták</label>

              </div>

              <div class="filter-group">

                  <h3>Árak: </h3>

                  <label><input type="checkbox" name="price" value="low"> 1000 - 5000 Ft</label>

                  <label><input type="checkbox" name="price" value="medium"> 5000 - 10000 Ft</label>

                  <label><input type="checkbox" name="price" value="high"> 10000 Ft + </label>

              </div>

              <div class="filter-group">

                  <h3>Éttermek</h3>

                  <label><input type="checkbox" name="brand" value="brandA"> MCDonalds</label>

                  <label><input type="checkbox" name="brand" value="brandB"> Burger King</label>

                  <label><input type="checkbox" name="brand" value="brandC"> Pizza Hut</label>

              </div>

          </div>

          <button class="toggle-button" id="toggleButton"><svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-list" viewBox="0 0 16 16">

            <path fill-rule="evenodd" d="M2.5 12a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5m0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5m0-4a.5.5 0 0 1 .5-.5h10a.5.5 0 0 1 0 1H3a.5.5 0 0 1-.5-.5"/>

          </svg></button>

            <!--Filter vége-->

    <script src="fooldaljs.js"></script>

</body>

</html>

**JS code**

const sidebar = document.getElementById('sidebar');

const toggleButton = document.getElementById('toggleButton');

const content = document.getElementById('content');

toggleButton.addEventListener('click', () => {

    sidebar.classList.toggle('collapsed');

    toggleButton.classList.toggle('collapsed');

});

**CSS code**

body {

    font-family: 'Times New Roman', Times, serif;

    background-color: gray;

}

#title{

  background-color: white;

  border-radius: 20%;

}

.navbar{

  background-color: #0056b3;

}

.card{

  z-index: 1;

  margin-top: 30px;

}

.nav-item{

}

.sidebar {

  width: 250px;

  background-color: #f4f4f4;

  padding: 20px;

  box-shadow: 2px 0 5px rgba(0, 0, 0, 0.1);

  height: 100vh;

  position: absolute;

  top: 0;

  left: 0;

  z-index: 10;

  transition: transform 0.3s ease;

  transform: translateX(0);

}

.sidebar.collapsed {

    transform: translateX(-100%);

}

.toggle-button {

    background-color: #007BFF;

    color: white;

    border: none;

    padding: 10px 20px;

    cursor: pointer;

    border-radius: 5px;

    position: absolute;

    top: 90px;

    left: 260px;

    transition: left 0.3s ease;

    z-index: 10;

}

.toggle-button.collapsed {

    left: 10px;

}

.toggle-button:hover {

    background-color: #0056b3;

}

.sidebar h2 {

    margin-top: 0;

}

.filter-group {

    margin-bottom: 20px;

}

.filter-group label {

    display: block;

    margin-bottom: 8px;

}

.filter-group input[type="checkbox"] {

    margin-right: 8px;

}

.apply-button {

    background-color: #007BFF;

    color: white;

    border: none;

    padding: 10px 20px;

    cursor: pointer;

    border-radius: 5px;

}

.apply-button:hover {

    background-color: #0056b3;

}

.content {

    color: black;

}

  h1 {

    font-family: "Lato", sans-serif;

    font-size: 36px;

    font-weight: 300;

    color: black;

  }

  .icon-container {

    margin-top: 30px;

    width: 100%;

    height: 60px;

  }

  .icon {

    cursor: pointer;

    position: relative;

    display: inline-block;

    width: 60px;

    height: 60px;

    margin-left: 12px;

    margin-right: 12px;

    border-radius: 30px;

    overflow: hidden;

  }

  .icon::before, .icon::after {

    content: "";

    position: absolute;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

    transition: all 0.25s ease;

    border-radius: 30px;

  }

  .icon i {

    position: relative;

    color: #0056b3;

    font-size: 30px;

    margin-top: 15px;

    transition: all 0.25s ease;

  }

  .icon-fill::before {

    transition-duration: 0.5s;

    box-shadow: inset 0 0 0 1px #16a085;

  }

  .icon-fill:hover::before {

    box-shadow: inset 0 0 0 60px #16a085;

  }

  .icon-enter::after {

    box-shadow: inset 0 0 0 1px #eb9532;

  }

  .icon-enter::before {

    border-radius: 0;

    margin-left: -100%;

    box-shadow: inset 0 0 0 60px #eb9532;

  }

  .icon-enter:hover::before {

    margin-left: 0;

  }

  .icon-expand::after {

    box-shadow: inset 0 0 0 1px #c82647;

  }

  .icon-expand::before {

    background: #c82647;

    box-shadow: inset 0 0 0 60px #0056b3;

  }

  .icon-expand:hover::before {

    box-shadow: inset 0 0 0 1px #2d2c3e;

  }

  .icon-collapse::before {

    border-radius: 0;

  }

  .icon-collapse:hover::before {

    box-shadow: inset 0 30px 0 0 #8cc63f, inset 0 -30px 0 0 #8cc63f;

  }

  .icon-collapse::after {

    box-shadow: inset 0 0 0 1px #8cc63f;

  }

  .icon-rotate {

    box-shadow: inset 0 0 0 1px #7e3661;

  }

  .icon-rotate::after, .icon-rotate::before {

    border: 0px solid transparent;

  }

  .icon-rotate:hover::before {

    transition: border-top-width 0.3s ease, border-top-color 0.3s ease;

    border-width: 60px;

    border-top-color: #7e3661;

  }

  .icon-rotate:hover::after {

    transition: border-left-width 0.3s ease, border-left-color 0.3s ease;

    border-width: 60px;

    border-left-color: #7e3661;

  }

  .icon-rotate:hover {

    transition: transform 0.001s ease 0.3s;

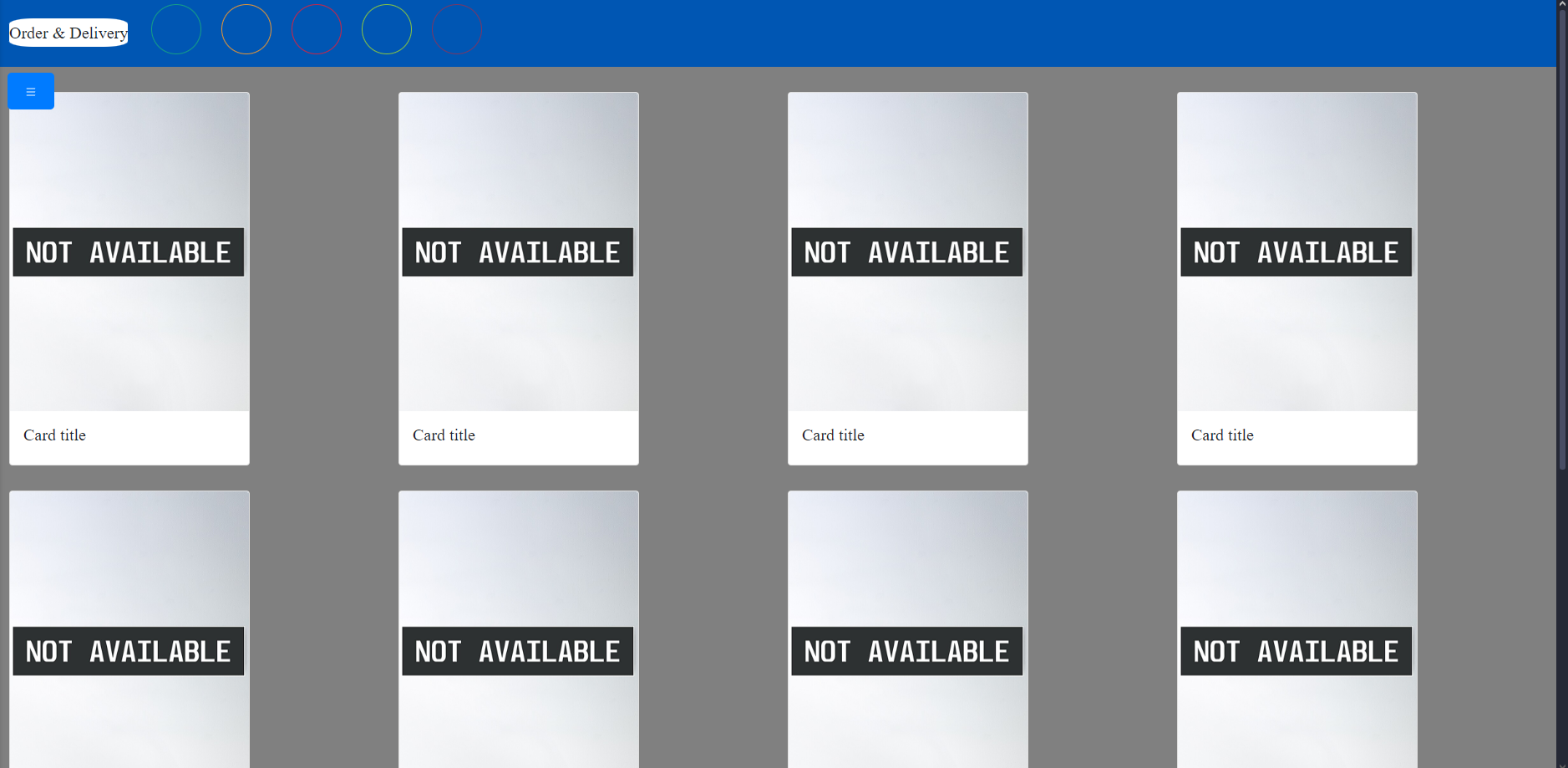
    background: #7e3661;

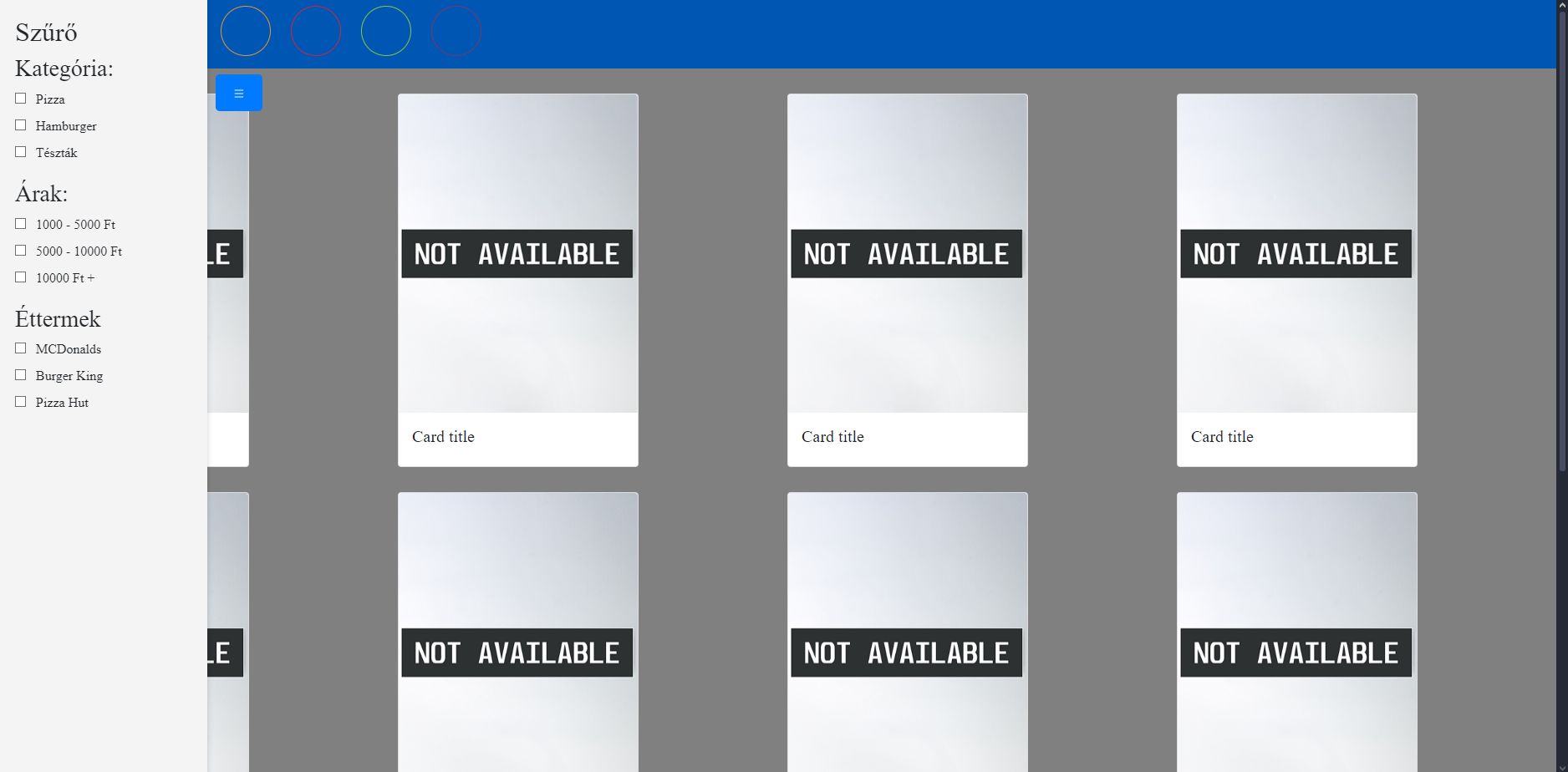
  }

  .icon-rotate i {

    z-index: 1;

  }

Initial project setup example:  
  




Expected future design of the project:

