Vidzeme University of Applied Sciences

**Faculty of Engineering**

Web Technologies and Secure Websites

group 05

large project work: A kebab place

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CONTENT

1 Project planning 4

2 Frontend Development (Client-Side) 4

2.1 HTML 5

2.1.1 Navbar.html 5

2.2 CSS & Bootstrap 5

2.2.1 Contact.html 6

2.2.2 Contact.html on a mobile device using responsive web design 7

3 JavaScript implementation 7

3.1.1 JavaScript function showing on which website are you by coloring the current pages button 7

4 Backend Development (Server-Side) 8

5 MySQL Database 8

5.1.1 Database structure 9

6 Functionalities 9

6.1.1 Dashboard.html 9

6.1.2 Order history 9

List of used resources 10

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# Project planning

**The purpose and objectives of the website:** To create an intuitive and accessible application for kebab business and their customers.

**Target audience:**

* Customers which are looking for an easy-to-use app to find their favorite kebab places.
* Kebab shop owners who want a digital platform to grow their business.

**Features and functionalities:**

* Easy to navigate front end
* Backend with user-friendly interactions in mind
* CRUD operations for system administrators
* Organized structure for future scalability
* Display of products from the database

**Roles and responsibilities of each member:**

In this large project work, each team member does anything they want to contribute to the project, the main mission is to successfully finish the project. The roles get distributed depending on time and keeping in mind each other’s strong suits.

# Frontend Development (Client-Side)

We took one of our first group projects as a template, to base this application. We have created multiple html pages, which will make the application more user-friendly.

## HTML

We created multiple pages: ‘’index.html, about.html, home.html, contact.html” and many more to make the application full of features to ensure that it looks like the application is proper and adequate. Most of the HTML pages are separate pages, which can be accessed either by a regular user or an admin with permission. The only exception is navbar.html, which is present on every page, by using a JavaScript function.

### Navbar.html

A screenshot of a phone

AI-generated content may be incorrect.

## CSS & Bootstrap

With the help of CSS and Bootstrap, we’ve improved the design of our site, so the site itself seems more easily to interact with, and we also kept in mind the resizing of the app for phone users, so the app automatically adjusts to the size of your screen. CSS has been used for responsive web design, the pages are styled with its help to format the pages, so they are user-friendly even for mobile devices. A huge usage of bootstrap is to relinquish the amount of useless CSS lines, where it’s possible to add bootstrap instead of CSS. For example, Contact.html is mostly styled using bootstrap.

### Contact.html

A screenshot of a contact us

AI-generated content may be incorrect.

### Contact.html on a mobile device using responsive web design

A screenshot of a computer

AI-generated content may be incorrect.

# JavaScript implementation

We implemented JavaScript mainly for such tasks, which other programming languages can’t. At the very start of this project, we created a separate folder and a separate file for it. Then we connected it to each HTML file. We made a JavaScript script which automatically, changes the design of the navigation bar dependent on the page, for example, if you’re at the home page, the home page button will be colored a bit more darkly than the other buttons. Another uses for JavaScript include fetching data from databases and simplifying otherwise tedious html processes. If user pays for the items, they get redirected to either a successful page or fail page, it is decided, by if the order is placed successfully or not, using JavaScript & else.

### JavaScript function showing on which website are you by coloring the current pages button

A screenshot of a phone

AI-generated content may be incorrect.A screenshot of a phone

AI-generated content may be incorrect.

# Backend Development (Server-Side)

We have created a database which contains user information, which is necessary to log in as a guest or login in as a system administrator, once user registers, their register data will be entered into the database, upon logging in the database will fetch the data, if it matches, the user will successfully log in. We have implemented CRUD operations for the table ‘’menu’’, in which an administrator is able to edit, delete, and add new food items to the menu. This implementation makes it much more easier to switch the contents of menu.

# MySQL Database

We have created a database structure which corresponds with our plan. We have created tables which contain food lists and user lists. We’ve used multiple SQL queries for data manipulation using CRUD operations. Data gets inserted into the users table, if a user registers, then once registered the user can log in using their credentials, and the database will fetch the new query, and if the data matches, user will successfully log in. Orders table logs in receipts, when users proceed with payment. Menu table contains data about the products, which administrators can edit from dashboard.html.

### Database structure

A screenshot of a computer

AI-generated content may be incorrect.

# Functionalities

We’ve added login and register options to the index.html, which ensures that a user must be logged in, since it would be unfruitful if a user was able to order anything without an account, leaving the business vulnerable to fraud. The contact page can be accessed by anyone, even if they haven’t logged in, but of course we have added filters, required fields, which means that there will be less spam. All registered users are now stored in a database, which means that they can log in using their credentials, if the credentials they entered were put in database by registering, the user should be able to successfully log in. The menu pages displayed foods are also controlled by a database, meaning that it is quite easy to modify the menu, if you’re an administrator. Accessing the dashboard as an admin lets you manage the menu; admin can add a new item or edit or delete an already existing one. After a successful purchase, the user can view their order history, seeing the status of the order.

### Dashboard.html

A screenshot of a menu

AI-generated content may be incorrect.

### Order history

A screenshot of a phone

AI-generated content may be incorrect.

# List of used resources

<https://www.w3schools.com/cssref/atrule_media.php>

<https://www.w3schools.com/bootstrap/>

<https://www.geeksforgeeks.org/php/php-database-connection/>