



CEN 308 SOFTWARE ENGINEERING

PROJECT DOCUMENTATION

Skincare Blog Website – Derma Dialogue

Prepared by:
Merjema Mujić
Ajla Selimović

Proposed to:
Nermina Durmić, Assist. Prof. Dr.
Aldin Kovačević, Teaching Assistant

20.06.2023

Table of Contents

1. Introduction.....	3
1.1. About the Project.....	3
1.2. Project Functionalities and Screenshots	3
2. Project Structure.....	5
2.1. Technologies	5
2.2. Database Entities	5
2.3. Design Patterns.....	5
2.4. Tests	6
3. Conclusion	6

1. Introduction

This document contains information about our skincare blog website project. The Derma Dialogue website aimed at providing valuable information and insights into the world of skincare. Skincare is a topic that affects people of all ages and backgrounds. In this documentation, we will outline the key features, technologies used, and the overall goals of the project.

1.1. About the Project

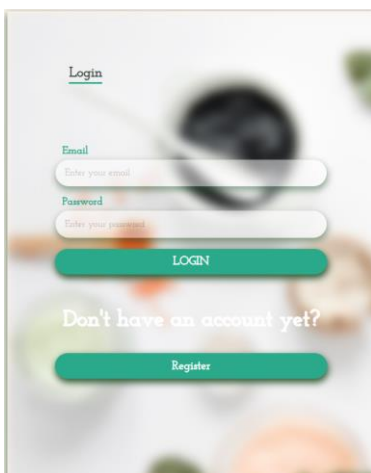
Our idea for developing the Derma Dialogue website comes with a goal of raising further awareness about the importance of skincare. We made effort to design a contemporary aesthetic website that is appealing to the eye and easy to navigate. The content on the website focus on skin care tips, popular products and the most beneficial products according to skin type.

Link to the app: <https://benevolent-basbousa-7edc64.netlify.app/frontend/index.html>

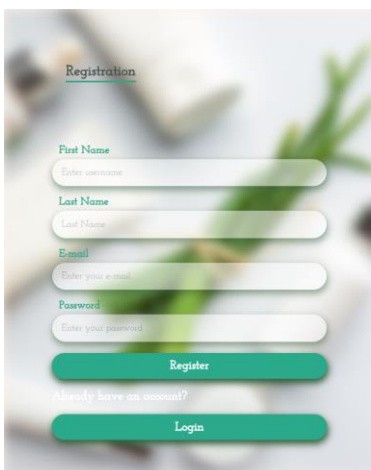
1.2. Project Functionalities and Screenshots

In the project we developed login and registration for users, also implemented basic CRUD operations.

- **Login**

A screenshot of the login form. It features a title 'Login' at the top. Below it are two input fields: 'Email' with a placeholder 'Enter your email' and 'Password' with a placeholder 'Enter your password'. A green 'LOGIN' button is positioned below the password field. At the bottom, there is a link 'Don't have an account yet?' followed by a green 'Register' button. The background is a blurred image of skincare products.

- **Registration**

A screenshot of the registration form. It features a title 'Registration' at the top. Below it are four input fields: 'First Name' with a placeholder 'Enter username', 'Last Name' with a placeholder 'Last Name', 'Email' with a placeholder 'Enter your email', and 'Password' with a placeholder 'Enter your password'. A green 'Register' button is positioned below the password field. At the bottom, there is a link 'Already have an account?' followed by a green 'Login' button. The background is a blurred image of skincare products.

- **Blog read**



Aloe Vera, the modest houseplant is a miracle, wonder plant, often hiding in plain sight. Having been around and used as a medicinal herb, it nourishes the body from the inside, it is rich in nutrients, aids in improving digestion and even boost immunity. Aloe Vera can be used topically too, i.e., its gel can be used to enhance one's skin, especially the face and the hair. Here are five reasons to apply Aloe Vera gel on your face, skin, and hair:

skincare tips

To maintain healthy skin, dermatologists recommend the following tips: Wear sunscreen daily. ... Stay out of tanning beds. ... Simplify your skin care routine. ... Choose skin care products formulated for your skin type. ... Treat your lips. ... Keep your hands off your face. ... Check your skin regularly.

• Blog create

Add Blog Post

Blog Name:

Description:

Type:

• Blog update

Edit Blog Post

Title

Description

To maintain healthy skin, dermatologists recommend the following tips:
Wear sunscreen daily. ...
Stay out of tanning beds. ...
Simplify your skin care routine. ...

- **Blog delete**

Latest Blog Posts

skincare tips

To maintain healthy skin, dermatologists recommend the following tips: Wear sunscreen daily. ... Stay out of tanning beds. ... Simplify your skin care routine. ... Choose skin care products formulated for your skin type. ... Treat your lips. ... Keep your hands off your face. ... Check your skin regularly.

[Edit](#)[Delete](#)

- **Contact form**

Contact Form

×

First Name:

Last Name:

Email:

Subject:

[Close](#)[Save](#)

2. Project Structure

2.1. Technologies

We used HTML, CSS, and Javascript for frontend, as well as PHP and FlightPHP framework for backend part. For database MySQL is used.

For coding standards, we used HMTL Style Guide and Coding Conventions to style our HTML document for frontend, and for the backend part of the application we used PHP PSR Coding Style.

2.2. Database Entities

In the skin_care database we have 3 tables:

- users
- posts
- skincare_support

2.3. Design Patterns

For this part we used Module and Singleton Design Patterns.

- **module pattern**: used in the frontend, in the following files:
 - frontend/ajax/expertHelp/contactUs.js
 - frontend/ajax/getAllSkinCare/skinCareCrud.js

- frontend/ajax/userAuth/registrationValidation.js
- **singleton pattern**: used in the backend, in the following files:
 - frontend/ajax/userAuth/login.js
 - backend/Config.class.php

2.4. Tests

We have written 4 Selenium tests for the app.

- DermaDialogueRegisterTest – tests if user can register to the app successfully
- DermaDialogueHomeTest – tests home page
- DermaDialogueContactUsTest – tests if user can fill out and send contact form successfully
- DermaDialogueAddingBlogTest – tests if user can add blog, title and type of the blog

Tests are located in project github repository: <https://github.com/merjemamujic/DermaDialogue>

3. Conclusion

In the end, "Derma Dialogue" is a skincare blog website designed to provide a valuable resource for individuals seeking reliable and informative content related to skincare. Throughout our work on this project, we have explored the key features and learned new technologies using them in development. We plan to continue working on this project in the future, improving some features and potentially developing new ones.