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Estonia café guide

Web Applications in C# Project Proposal

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Infotehnoloogia teaduskond

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Eesti kohvikute giid

Veebirakendused C# baasil projekti ettepanek

Juhendaja: Andres Käver

Tallinn 2024

Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

Author: Diana Rybalko

21.02.2024

Abstract

The Estonia Cafe Guide web platform is a web-based service that revolutionizes the cafe discovery process in Estonia. It serves as a digital meeting ground for coffee enthusiasts to find, review, and connect with cafes throughout the country. Users can craft profiles to express their favourite experiences, while cafes can highlight their unique offerings and ambiance.

The platform's core features include:

User registration: For using all possibilities of this web platform.

Advanced search and filter: To find cafes by location, type, and categories.

Cafe occasion matching: To discover the perfect spot for any event.

Reviews and ratings: For informed decision-making based on community feedback.

Favourites: To bookmark beloved cafes for future visits.

This tool goes beyond being a simple guide; it's an interactive companion that enriches the coffee culture in Estonia. It strives to be the heart of the cafe scene, enhancing the way patrons interact with and enjoy their coffee experiences.

This thesis is written in English and is 20 pages long, including 2 chapters.

Annotatsioon

Eesti kohvikute giid

Eesti Kohvikute Juhendi veebiplatvorm on veebipõhine teenus, mis muudab Eestis kohvikute leidmise protsessi. See on digitaalne kohtumispaik kohvisõpradele, et leida, arvustada ja ühenduda üle kogu riigi paiknevate kohvikutega. Kasutajad saavad koostada profiile, et väljendada oma kohvieelistusi ja lemmikelamusi, samal ajal kui kohvikud saavad esile tõsta oma ainulaadseid pakkumisi ja õhkkonda.

Platvormi põhijooned hõlmavad:

Kasutaja registreerimine: Selle veebiplatvormi kõigi võimaluste kasutamiseks.

Täiustatud otsing ja filtreerimine: Kohvikute leidmiseks asukoha, tüübi ja kategooriate järgi.

Kohvikute puhuks sobitamine: Ideaalse koha avastamiseks ükskõik milliseks sündmuseks.

Arvustused ja hinnangud: Informeeritud otsuste tegemiseks kogukonna tagasiside põhjal.

Lemmikud: Armastatud kohvikute järjehoidjate jaoks tulevasteks külastusteks.

See tööriist on enam kui lihtsalt juhend; see on interaktiivne kaaslane, mis rikastab kohvikultuuri Eestis. Ta püüdleb selle poole, et olla kohvikustseeni süda, parandades viisi, kuidas külastajad suhtlevad ja naudivad oma kohvielamusi.

Lõputöö on kirjutatud inglise keeles ning sisaldab teksti 20 leheküljel, 2 peatükki.

List of abbreviations and terms

ERD

Entity Relationship Diagram

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Introduction

The digital era has revolutionized the way individuals interact with spaces and services, and the world of culinary experiences is not exception. Recognizing a unique opportunity within Estonia's diverse and rich cafe culture, a web-based service is introduced that connects cafe enthusiasts with a wide range of coffee houses across the nation. The Estonia Cafe Guide Web Platform is tailored to create a community where individuals can explore, review, and indulge in the cafe experiences that Estonia has to offer.

Cafe-goers will be able to create personalized profiles where they can search for cafes according to their preferences collecting favourite cafe moments, and culinary adventures. Likewise, cafes will have the opportunity to craft their own narrative through profiles that highlight their unique offerings, ambiance, and culinary specialties. This interactive ecosystem will facilitate users in discovering cafes that align perfectly with their desired occasion, be it a casual brunch, an artistic escape, or a business meeting.

Through an intuitive search and filter system, the platform will enable users to find cafes based on a variety of criteria such as location, menu offerings, ambiance type, and user ratings. Cafes will benefit from increased visibility and real-time feedback from their visitors, while users will enjoy the simplicity of discovering and connecting with cafes that match their mood or occasion.

The platform will support cafe owners and visitors alike in scheduling events, celebrating special occasions, and promoting the shared love of coffee culture. Payment gateways, event calendars, and progress tracking for loyalty programs will be further developed and enrich the user experience, making the Estonia Cafe Guide Web Platform the quintessential digital companion for all things coffee in Estonia.

In essence, this platform is not just about finding a place to drink coffee. It's about crafting a journey through Estonia's cafes, for every cup, every customer, and every experience. This Guide is set to become the heartbeat of Estonia's cafe scene.

Features of application

A platform that connects café-lovers will have the following features:

1. Registration: Individuals can register on the platform and choose a certain role whether they are a user or a café owner. They will provide basic information such as name, email, and a profile photo (optional).

2. Search and filter: Users can search for cafes using a search bar or navigation bar based on various attributes:

Location: Cafes can be filtered by cities, allowing users to explore options within specific areas or regions within Estonia.

Name: Cafes can be searched by name. Inside each café users can browse through the menu offerings, with details like item descriptions and prices to help them decide where to dine.

Average rating: Café can be filtered by visitors ratings, giving to users opportunity to choose the best café.

Occasion: Users can choose cafes which best suits their occasion, for example casual hangouts, study sessions, leisure reading, business meetings etc.

Category: Categories can be self-service, online ordering, wheelchair accessible etc.

Type: Among cafe types to choose are a bakery café, a book café, a work friendly café etc.

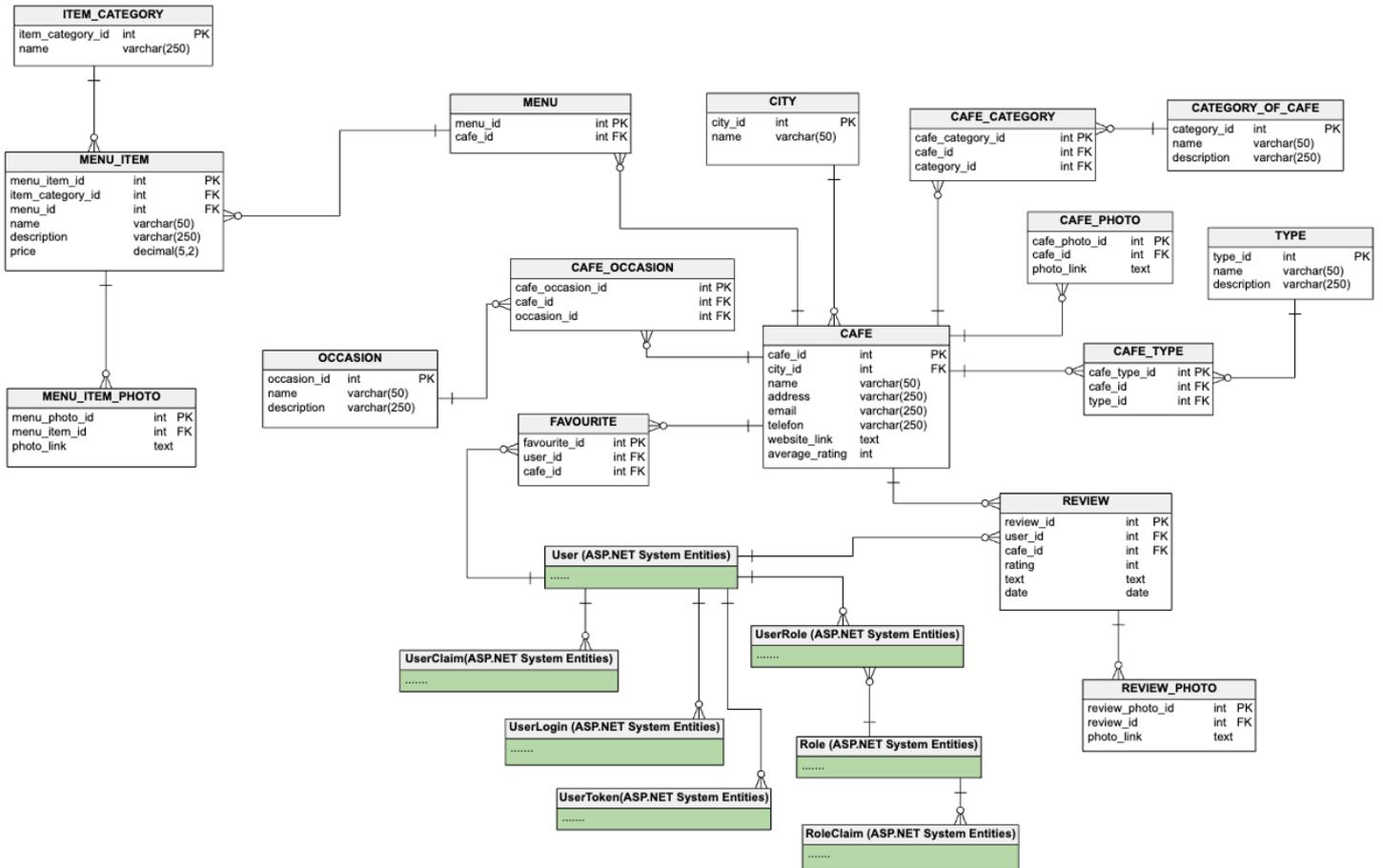
3. Reviews and Ratings: After visiting a cafe, users can leave reviews and ratings based on their experience, which includes a numerical rating, written feedback, and the option to upload photos. This helps other users make correct decisions.

4. Favourites: Users can mark certain cafes as favourites, creating a personalized list of preferred spots that they can return to or schedule visits for in the future.

5. Will be developed in the future

Payment gateways, event calendars, and progress tracking for loyalty programs.

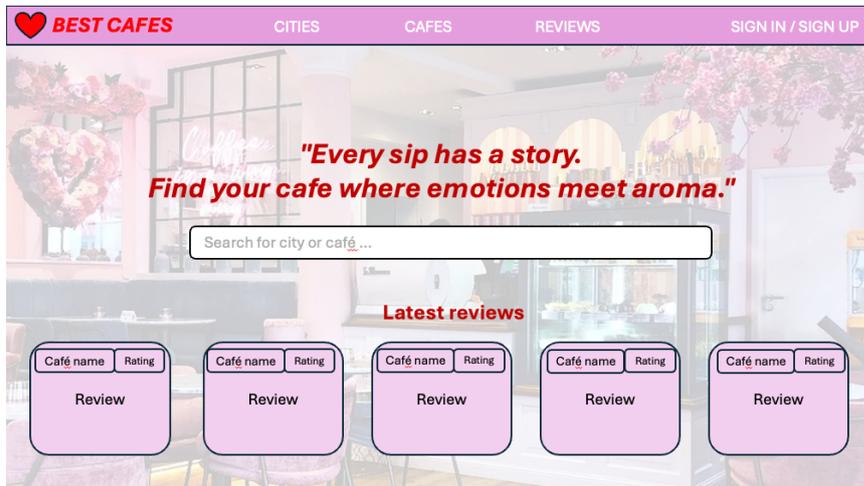
1 ERD schema



2 Application Design

2.1 Design of application when user is not authorized

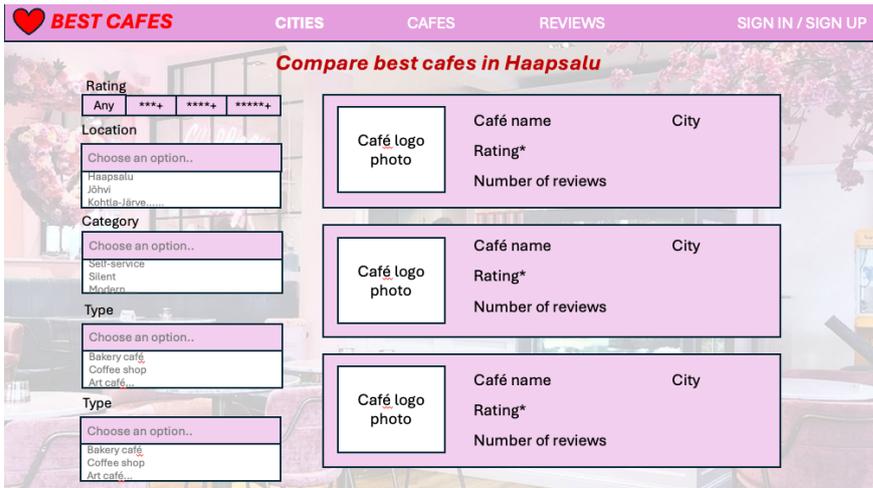
2.1.1 Main page



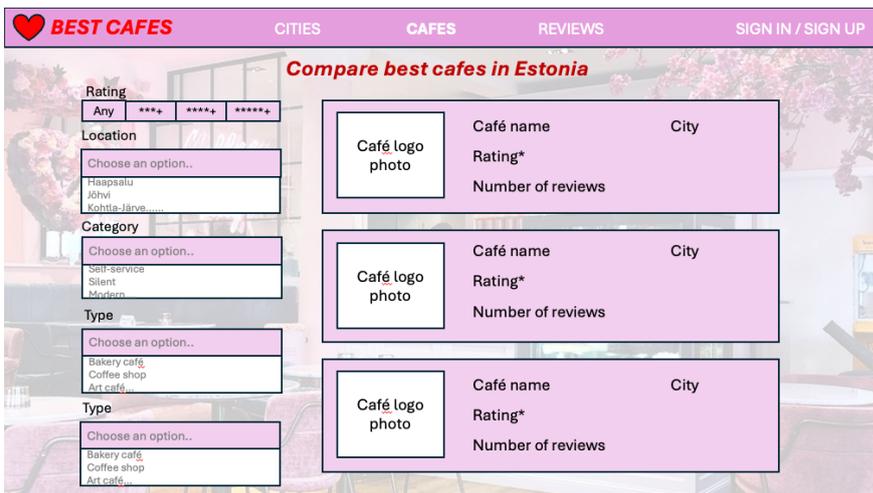
2.1.2 View of the page to choose city



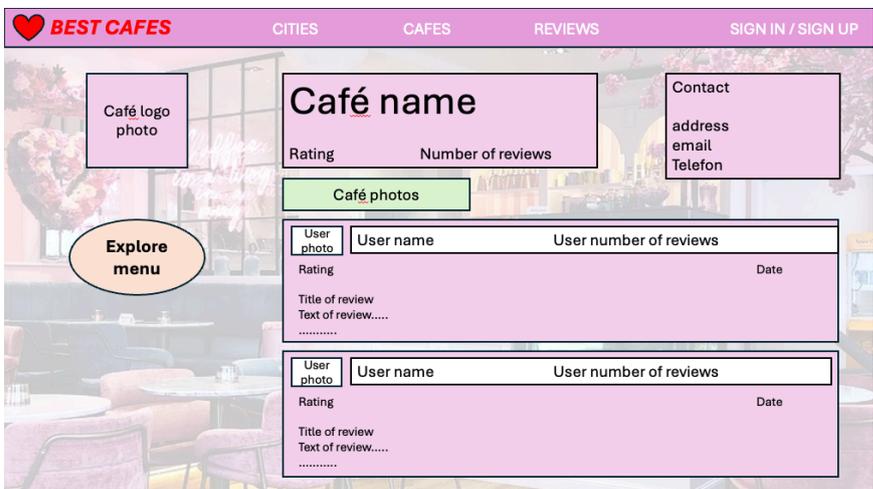
2.1.3 View of the page when city is chosen and there appear list of cafes



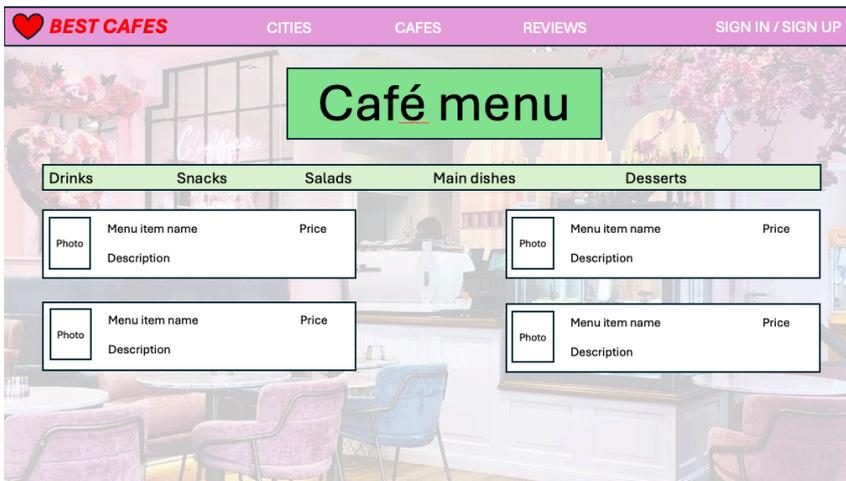
2.1.4 View of the page when cafes button is clicked on navigation bar



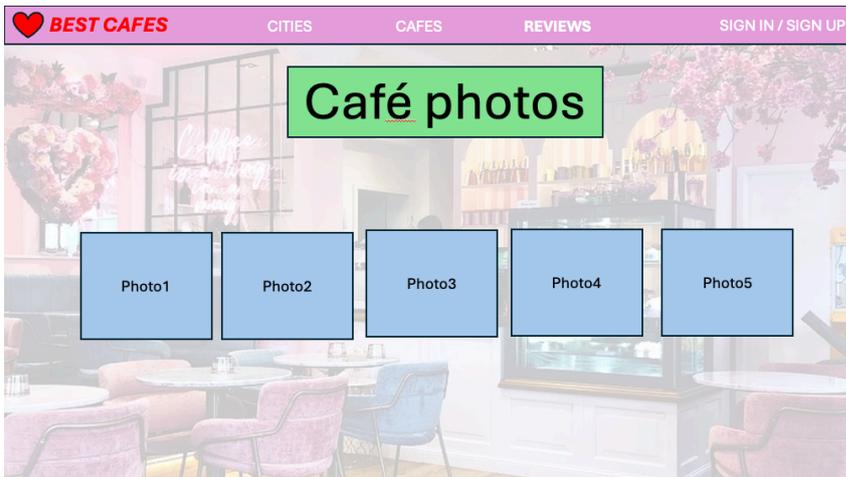
2.1.5 View of the page of a café



2.1.6 View of the page with café menu



2.1.7 View of the page with café photos



2.1.8 View of the page when button reviews is clicked on navigation bar



2.1.9 Sign in form, sign up form for visitor and for café owner

The screenshot shows the 'SIGN IN / SIGN UP' page of the 'BEST CAFES' website. The page has a pink header with the logo and navigation links: CITIES, CAFES, REVIEWS, and SIGN IN / SIGN UP. There are three main forms:

- Sign in:** Includes fields for Username and Password, and a Sign in button.
- Sign up for visitor:** Includes fields for FirstName, LastName, Email, Username, and Password, and a Sign up button.
- Sign up for cafe:** Includes fields for Name, City, Address, Email, Telefon, Website link, Username, and Password, and a Sign up button.

2.2 Design of application when user is authorized, there are appear additional options

2.2.1 Main page

The screenshot shows the main page of the 'BEST CAFES' website for an authorized user. The page has a pink header with the logo and navigation links: CITIES, CAFES, REVIEWS, and a user profile section with links for Photo, Name, My profile, My reviews, Favourites, and Sign out. The main content area features a quote: "Every sip has a story. Find your cafe where emotions meet aroma." Below the quote is a search bar labeled "Search for city or café...". Underneath the search bar is a section titled "Latest reviews" with five review cards. Each card has a header with "Café name" and "Rating" and a main body with the word "Review".

2.2.5 View of the page where user can add review on café

The screenshot shows the 'Add a review' page. At the top, there is a navigation bar with 'BEST CAFES' and tabs for 'CITIES', 'CAFES', and 'REVIEWS'. On the right, there are buttons for 'Photo' and 'Name', and a user menu with 'My profile', 'My reviews', 'Favourites', and 'Sign out'. The main content area is titled 'Add a review' and contains the following form fields:

- Café name:
- Rating:
- Review title:
- Date of experience:
- Review text:
- Add photos:

A 'SUBMIT' button is located at the bottom right of the form.

2.2.6 View of the page of user profile

The screenshot shows the user profile page. At the top, there is a navigation bar with 'BEST CAFES' and tabs for 'CITIES', 'CAFES', and 'REVIEWS'. On the right, there are buttons for 'Photo' and 'Name', and a user menu with 'My profile', 'My reviews', 'Favourites', and 'Sign out'. The main content area is titled 'Café-lover profile' and contains the following form fields:

- Profile photo:
- Name:
- Email:
- Username:
- Photo:
- Change password:
-

A 'SUBMIT' button is located at the bottom right of the form.

2.2.7 View of the page of café owner profile

The screenshot shows the café owner profile page. At the top, there is a navigation bar with 'BEST CAFES' and tabs for 'CITIES', 'CAFES', and 'REVIEWS'. On the right, there are buttons for 'Photo' and 'Name', and a user menu with 'My profile', 'My reviews', 'Favourites', and 'Sign out'. The main content area is titled 'Café owner profile' and contains the following form fields:

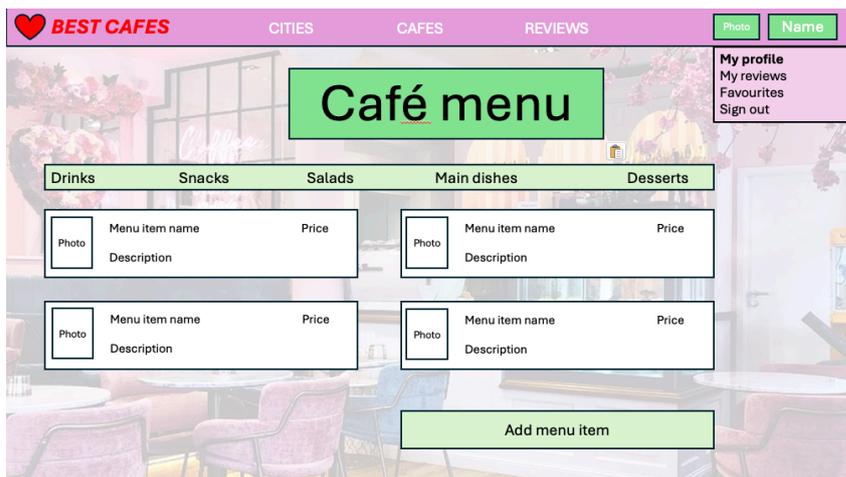
- Profile photo:
- Café name:
- City:
- Address:
- Email:
- Telefon:
- Website link:
- Username:
- Add profile photo:

Below the form, there are two buttons: 'Photos' and 'Menu'. At the bottom, there is a 'Change password' section with two input fields: 'Enter old password..' and 'Enter new password..'. A 'SUBMIT' button is located at the bottom right of the form.

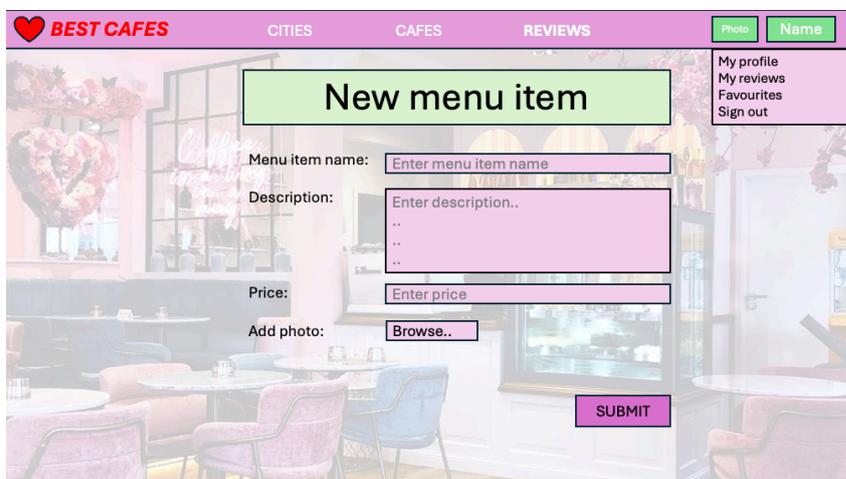
2.2.8 View of the page where café owner can add new photos



2.2.9 View of the page where café owner can add new menu items



2.2.10 View of the page with adding new menu item form



2.2.11 View of the page where user can see review and add his own review

BEST CAFES CITIES CAFES REVIEWS Photo Name

My reviews Total number of reviews

My profile
My reviews
 Favourites
 Sign out

Add a review

User photo	Cafe name	Rating	★
	User name	User number of reviews	
	Review title		
	Review text	
	Date of experience:		

User photo	Cafe name	Rating	★
	User name	User number of reviews	
	Review title		
	Review text	
	Date of experience:		

2.2.12 View of the page with users favourite cafes

BEST CAFES CITIES CAFES REVIEWS Photo Name

Favourite cafes ★

My profile
 My reviews
Favourites
 Sign out

Rating
 Any ★★★+★★★★+★★★★+

Location
 Choose an option...
 Haapsalu
 Jõhvi
 Kohla-Järve.....

Category
 Choose an option...
 Self-service
 Silent
 Modern

Type
 Choose an option...
 Bakery café
 Coffee shop
 Art café...

Type
 Choose an option...
 Bakery café
 Coffee shop
 Art café...

Café logo photo	Café name	City
	Rating*	Number of reviews

Café logo photo	Café name	City
	Rating*	Number of reviews

Café logo photo	Café name	City
	Rating*	Number of reviews

Summary

The Estonia Cafe Guide Web Platform is a pioneering web-based service designed to bridge cafe enthusiasts with the vast array of coffee houses throughout Estonia. This digital platform seeks to foster a vibrant community where users can discover, review, and enjoy the rich cafe culture that Estonia offers. By enabling cafe-goers to create personalized profiles, the platform facilitates the exploration of cafes tailored to individual preferences, encompassing a variety of occasions from casual brunches to business meetings.

Key features of the platform include:

User Registration: Allows individuals to sign up as either users or cafe owners, providing basic information to start their journey.

Advanced Search and Filtering: Empowers users to find cafes based on location, name, average rating, occasion, category, and type, ensuring a match with their specific needs or moods.

Reviews and Ratings: Offers a mechanism for users to share their experiences through numerical ratings, written feedback, and photo uploads, aiding others in making informed decisions.

Favourites: Enables users to bookmark their preferred cafes, facilitating easy access and future visits.

Future developments aim to introduce payment gateways, event calendars, and loyalty program tracking, further enriching the user experience. The Estonia Cafe Guide Web Platform is not just about discovering coffee spots; it's an invitation to journey through Estonia's cafe scene, designed to be the ultimate digital companion for coffee lovers across the nation.

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I Diana Rybalko

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