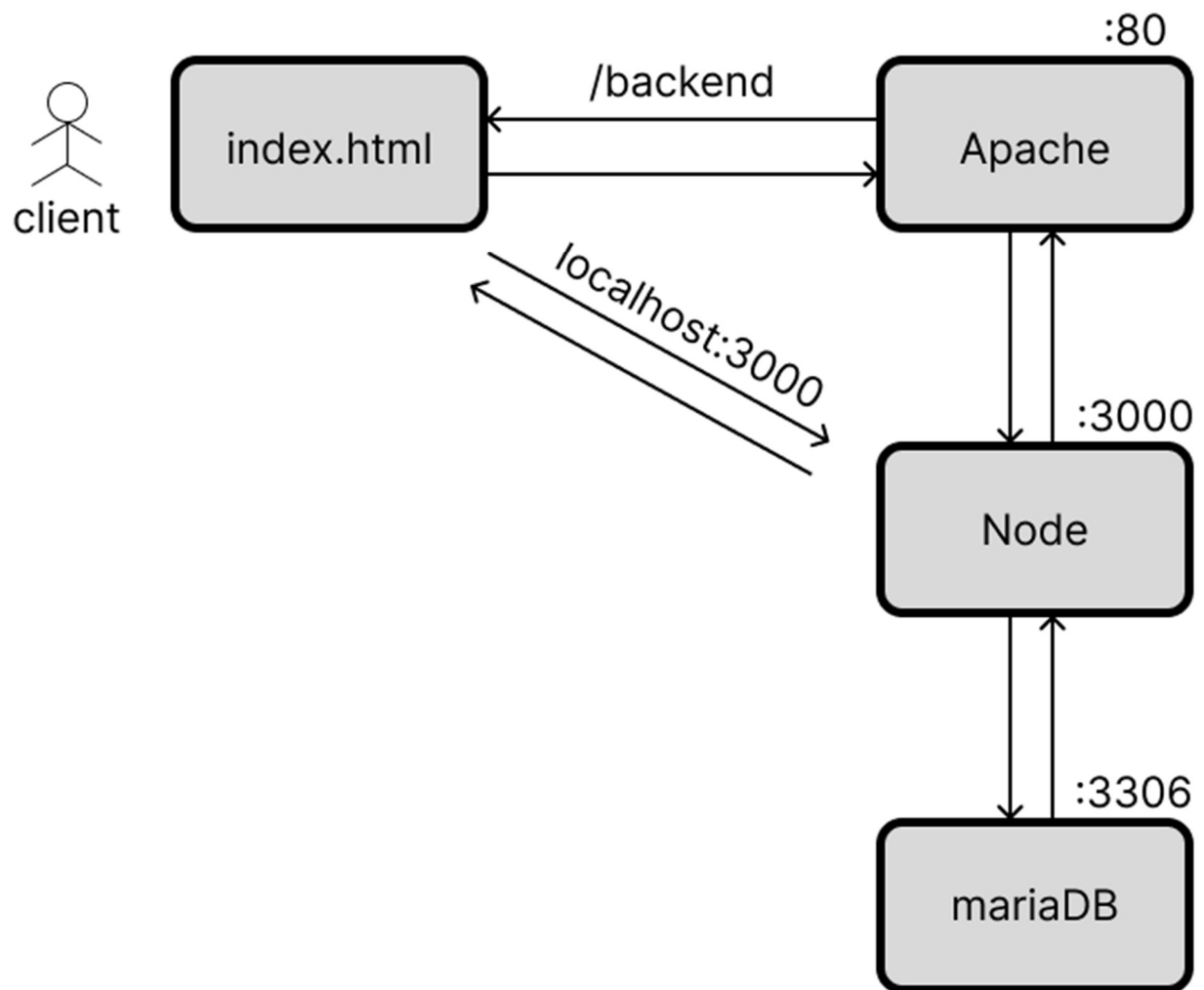


Software Design Document

Architektura aplikace



Popis API

- Typ API: REST (Representational State Transfer)
- Formát dat: JSON (JavaScript Object Notation)
- Základní URL: <http://localhost:300/backend>

GET /ping

- Ověřuje, zda je backend dostupný

POST /backend/contact

- Ukládá zprávy z kontaktního formuláře do databáze
- Tabulka messages

POST /backend/bookNow

- Ukládá zprávy z rezervačního formuláře pro ubytování do databáze
- Tabulky reservations, customers a rooms

POST /backend/restaurantReservation

- Ukládá zprávy z rezervačního formuláře pro restauraci do databáze
- Tabulky reservations, customers a tables

GET /admin/messages

- Načítá zprávy z databáze do „admin panelu“
- Tabulka messages

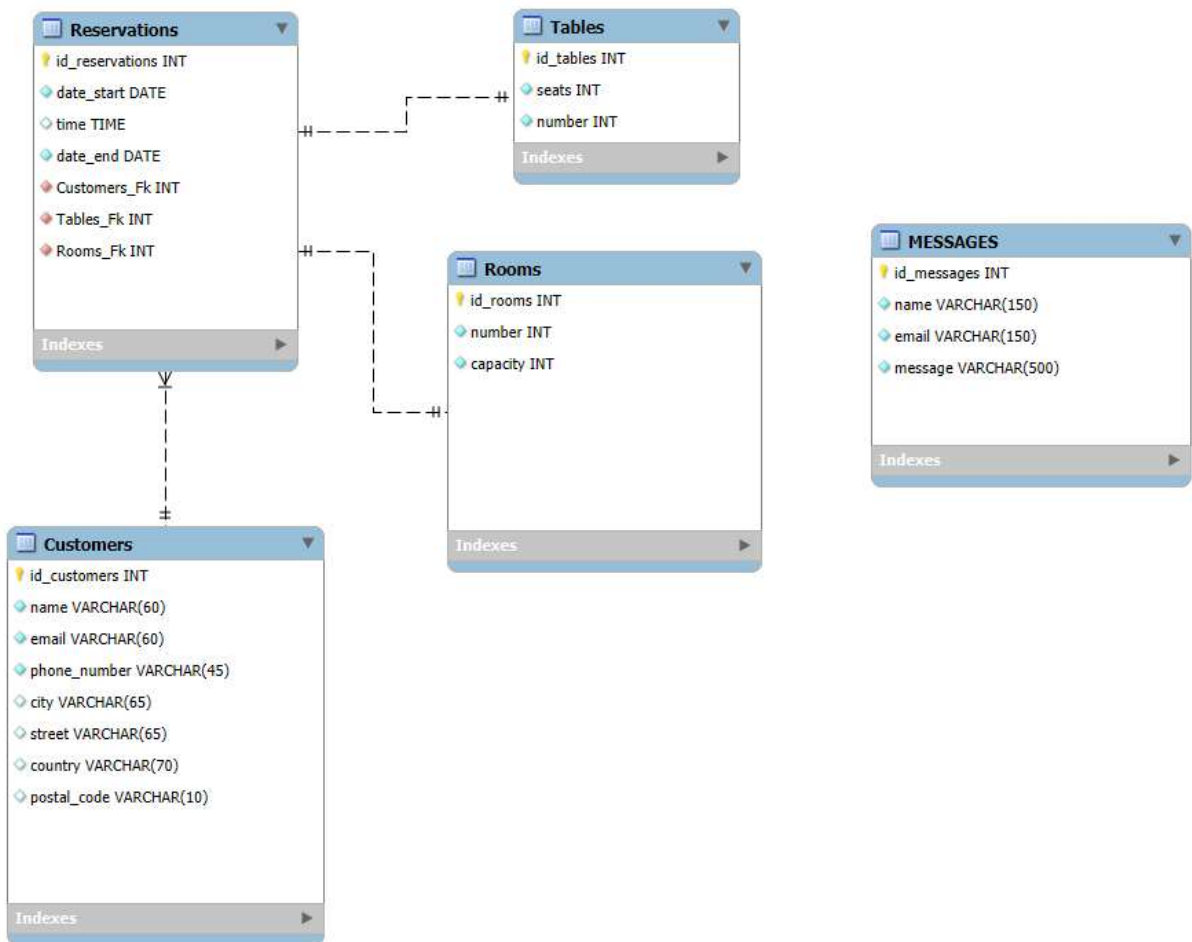
GET /admin/accommodation

- Načítá informace o rezervaci ubytování z databáze do „admin panelu“
- Tabulky reservations, customers a rooms

GET /admin/restaurant

- Načítá informace o rezervaci stolu z databáze do „admin panelu“
- Tabulky reservations, customers a tables

ERD pro databázi



Funkce backendu

1. Zpracování REST API požadavků

- Backend běží na adrese localhost:3000 a poskytuje endpointy přes /backend

2. Ukládání zpráv z kontaktního formuláře

- Data jsou ukládány do tabulky „Messages“
- Endpoint: POST /backend/contact

3. Rezervace ubytování

- Backend najde volný pokoj podle kapacity a termínu, vytvoří zákazníka v tabulce „Customers“ a poté uloží rezervaci do tabulky „Reservations“
- Endpoint: POST /backend/bookNow

4. Rezervace stolu

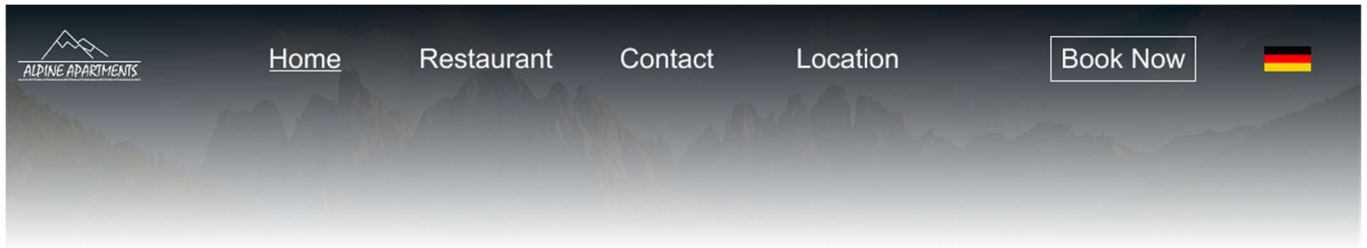
- Backend najde volný stůl podle počtu osob a termínu, vytvoří zákazníka v tabulce „Customers“ a poté uloží rezervaci do tabulky „Reservations“
- Endpoint: POST /backend/restaurantReservation

5. Získání dat pro personál

- Backend poskytuje pro administraci data z databáze pomocí tří endpointů GET
- Endpoint: GET /backend/admin/message (Získá všechny zprávy z kontaktního formuláře)
- Endpoint: GET /backend/admin/restaurant (Získá všechny rezervace stolů)
- Endpoint: GET /backend/admin/accommodation (Získá všechny rezervace ubytování)

6. Testovací endpoint

- Testovací endpoint: GET /backend/ping
- Vrací zprávu “Backend is alive“ pro ověření funkčnosti backendu



WELCOME TO ALPINE APARTMENTS

Inspired by the beauty of the Alpine nature and the desire to harmoniously blend modern design with the uniqueness of the location, Alpine Apartments in Sölden, Austria, were born. This unique complex is a gem nestled in the heart of the Tyrolean Alps and the result of the diligent and precise work of top architects. The entire architectural concept resonates with the idea of providing our guests with perfect relaxation in intimate connection with nature, yet in the conditions of maximum 21st-century luxury. Clean lines, moderation, noble natural materials, originality, high-quality workmanship, and omnipresent respect for nature are the attributes of Alpine Apartments, of which we are so proud.

We have prepared 30 unique apartments for you, where you will feel like royalty, as well as a stylish restaurant and bar for pleasant social gatherings and to satisfy your gourmet desires. You can enjoy a wide range of pampering procedures in the well-equipped wellness center. For those who wish to combine pleasure with utility, we offer thoughtfully and technically well-equipped conference halls and lounges with 100 seats. All this is crowned by the perfect service of our professional team.

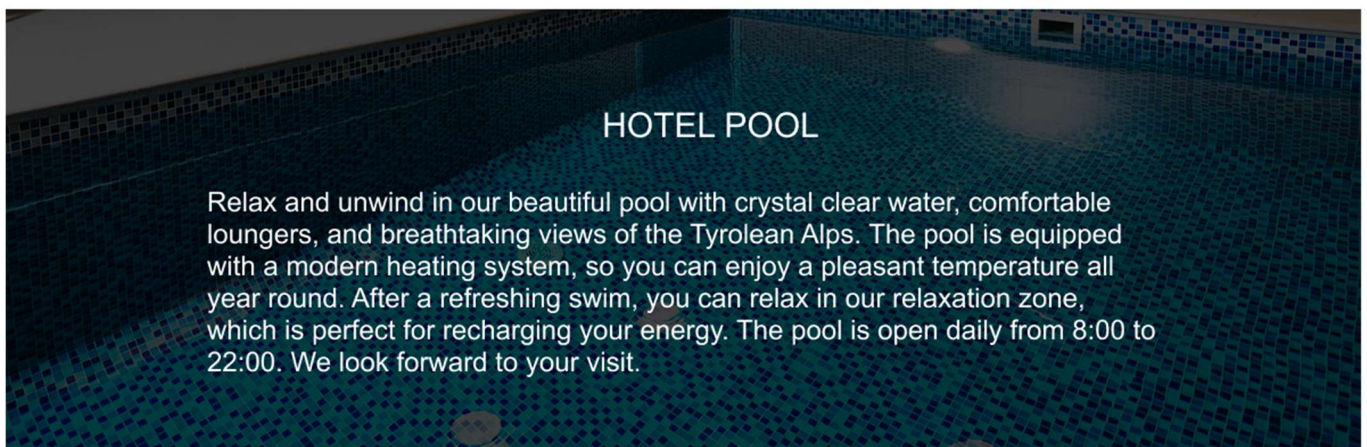
At Alpine Apartments in Sölden, you will feel great regardless of age, purpose of visit, or personal disposition. Guests of all generations, romantic couples, families with children, active athletes, and hedonists, nature walk lovers, romantics, and pragmatists will all find something to enjoy. Welcome to all who wish to draw strength from the beautiful Alpine nature and at the same time want to be pampered.



OUR ROOMS

Our rooms at Alpine Apartments are designed to provide maximum comfort and relaxation. We offer various types of rooms to meet the needs of every guest. All rooms are equipped with comfortable beds, modern bathrooms, high-speed Wi-Fi, and flat-screen TVs. You can look forward to a stylish interior, carefully designed using natural materials. For your convenience, we also offer room service and a minibar.

[BOOK A ROOM](#)



HOTEL POOL

Relax and unwind in our beautiful pool with crystal clear water, comfortable loungers, and breathtaking views of the Tyrolean Alps. The pool is equipped with a modern heating system, so you can enjoy a pleasant temperature all year round. After a refreshing swim, you can relax in our relaxation zone, which is perfect for recharging your energy. The pool is open daily from 8:00 to 22:00. We look forward to your visit.

RESTAURANT

Enjoy a unique gastronomic experience in our elegant restaurant, where modern cuisine blends with traditional Alpine influences. Our menu is crafted from fresh local ingredients and offers authentic and delicious dishes. The pleasant environment with panoramic views of the Tyrolean Alps creates the perfect atmosphere for romantic dinners and family gatherings.

[MORE INFO](#)

LOCATION

Sölden is a picturesque mountain town in the heart of the Tyrolean Alps, located about 90 kilometers from Innsbruck. It offers stunning views, modern ski slopes, and a vibrant atmosphere year-round.

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