Topic: Travel agency

Project name:

Saryagash-Sanatory

Team members:

Adil Ormanov, Alan Kuspanov,

Berdiyar Akbergen

SE-2311

ICT

Instructor: Mr. Olzhas

1. A brief discussion on project relevance/motivations (why is it worth doing it?) and its main challenges;

In the contemporary world, characterized by heightened stress levels, individuals actively seek avenues to preserve and improve their health and overall well-being. Sanatoriums, with their specialized treatments, spa facilities, and serene environments, offer a unique space conducive to a healthy lifestyle. The development of a booking website emerges as a solution to facilitate convenient access to these health services, thereby enriching people's lives and fostering the growth of local tourism.

Our project is driven by the objective of boosting tourism in the southern regions, with a specific focus on the Saryagash region in Kazakhstan. Saryagash stands out as one of the most sought-after resorts in the country, featuring numerous sanatoriums, vibrant natural landscapes, and a plethora of tourist attractions. Despite these offerings, the region faces a challenge in its IT infrastructure development. In response to this gap, we have developed a user-friendly website dedicated to the booking and reviewing of sanatoriums, aiming to bridge the technological divide.

The simplicity of our website is deliberately designed to cater to our target audience, ensuring accessibility for individuals seeking the health benefits and recreational opportunities offered by the sanatoriums in Saryagash.

The key issue our website addresses is the challenge of selecting the most suitable sanatorium, as not all establishments align with the diverse expectations of clients. By providing a platform for real user reviews, our website empowers people to make informed decisions when choosing a sanatorium. The ability to read authentic reviews allows potential visitors to align their preferences and expectations with the offerings of each sanatorium, enhancing the overall experience for tourists.
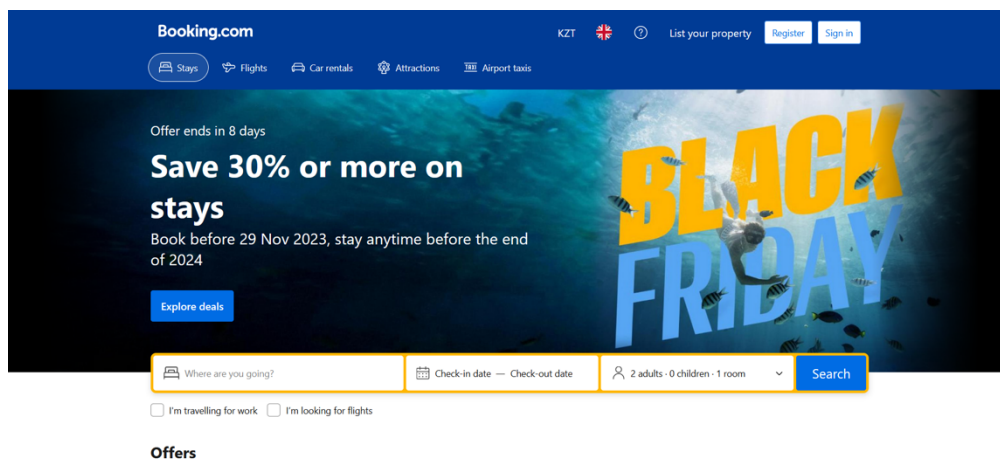
In conclusion, our website serves as a valuable tool for the promotion of health tourism in the southern regions of Kazakhstan, particularly in Saryagash. By addressing the IT infrastructure gap and offering a user-friendly platform for booking and reviewing sanatoriums, our project contributes to the overall well-being of individuals and the growth of local tourism. Through this initiative, we aim to showcase the unique offerings of the region and create a positive impact on the tourism landscape.

2. Analysis of the existing websites: advantages and disadvantages of existing products with similar functionality;
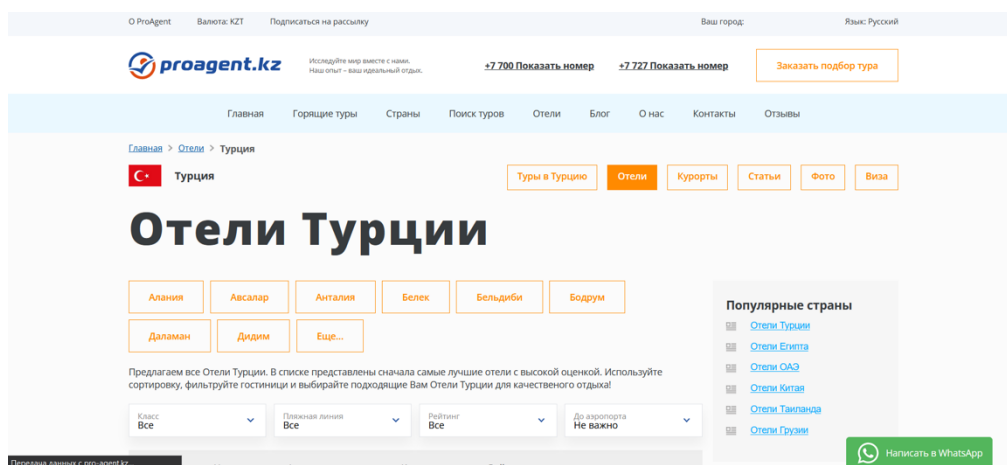
Our idea is not a fundamentally original solution. Services similar to our site exist and they have commercial success. For example you can name Booking.com and Proagent.kz.

After analyzing our `competitor` we came to a conclusion that our project has potential. Since Booking.com is one of the largest services of booking rooms and you can rent flats without any criteria but it specialised on global market and diverse audience.

Disadvantages: it doesnt offer a large selection of recreational hotels and it isnt specialized in Kazakstan tourism and Booking.com isnt popular in southern Kazakstan.

Second website Proagent.kz even though it is Kazakh site it is specialized in foreign tourism. And just like Booking.com it isnt specialized in internal tourism and sanatoriums.

3. Technical specifications of the project: description of all the technical solutions that are going to be used in your project.

This project became a challenge to us. We used Html, JS tools and we used NodeJS and MongoBd to create server. And Website Sanatorium Saryagash consists of landing page, Registration page and a local server. Figma design on CSS. Then we create local server. We used CMD and used libraries

• express.json(): Middleware For processing JSON Queries.

• mongoose: For inteacting with MongoDB.

• bcrypt: For hashing passwords.

• jsonwebtoken: For creating tokens JWT for authentification.

Then we linkid our server with mongoDB. Tested the end product

4 Background material section: investigating background material and related Work/literature.

"Web Design with HTML, CSS, JavaScript and jQuery Set" by Jon Duckett

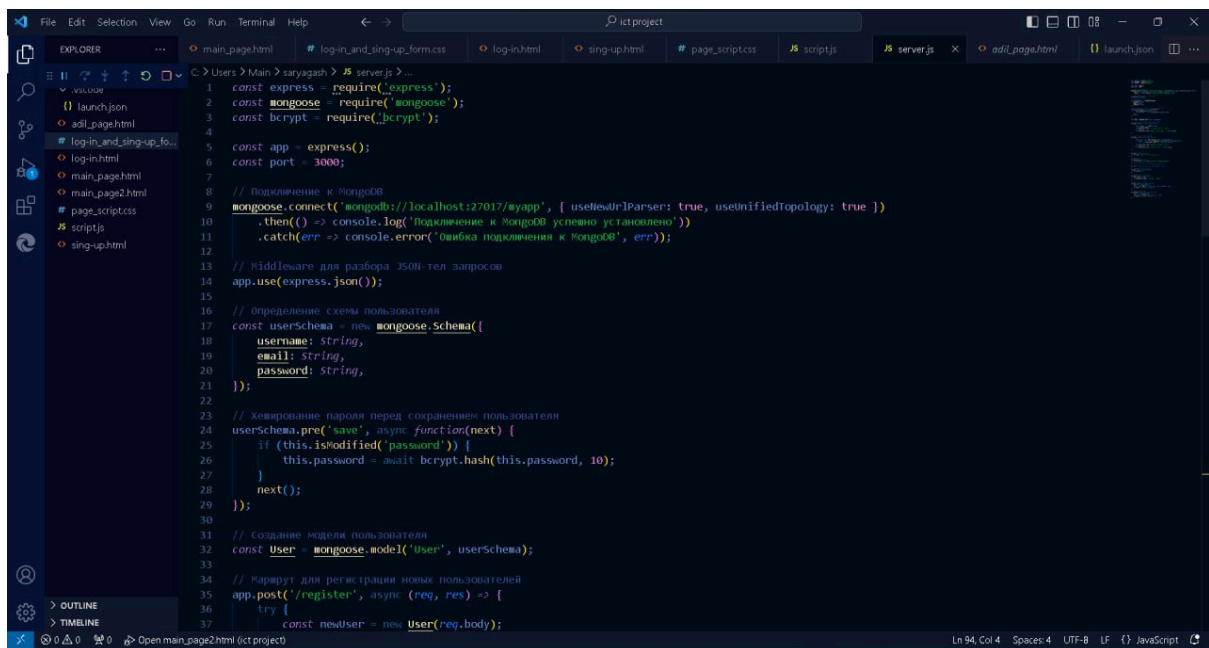**"The Elements of User Experience" by Jesse James Garrett**
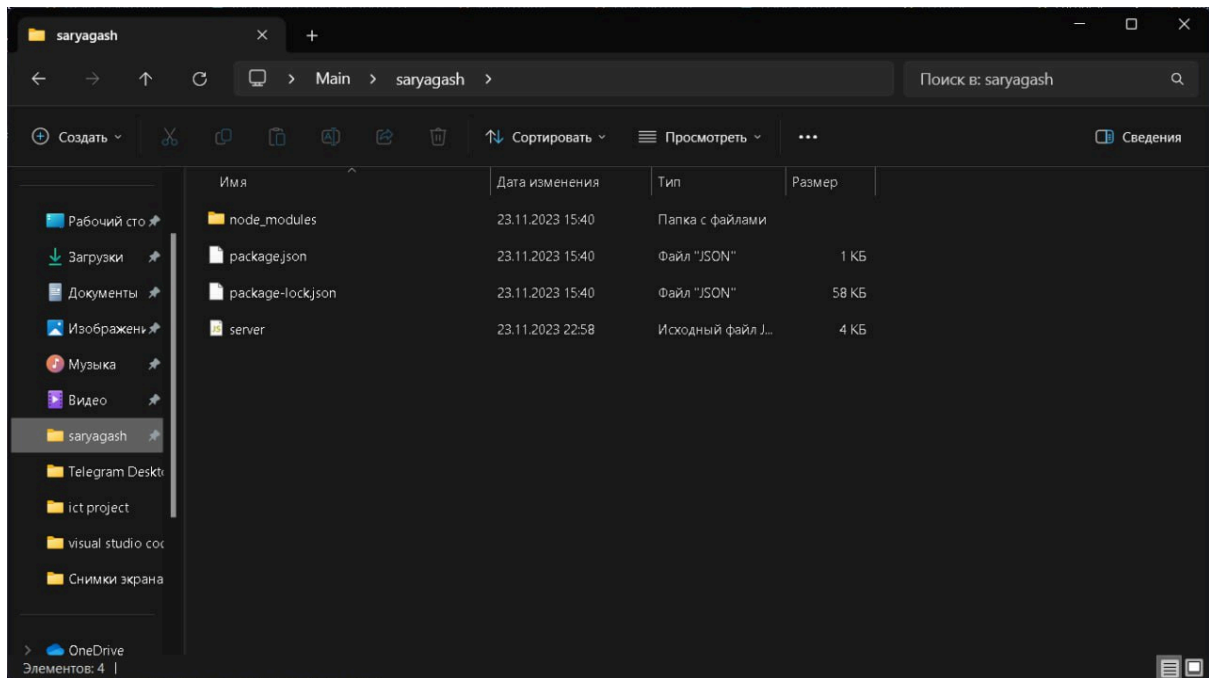
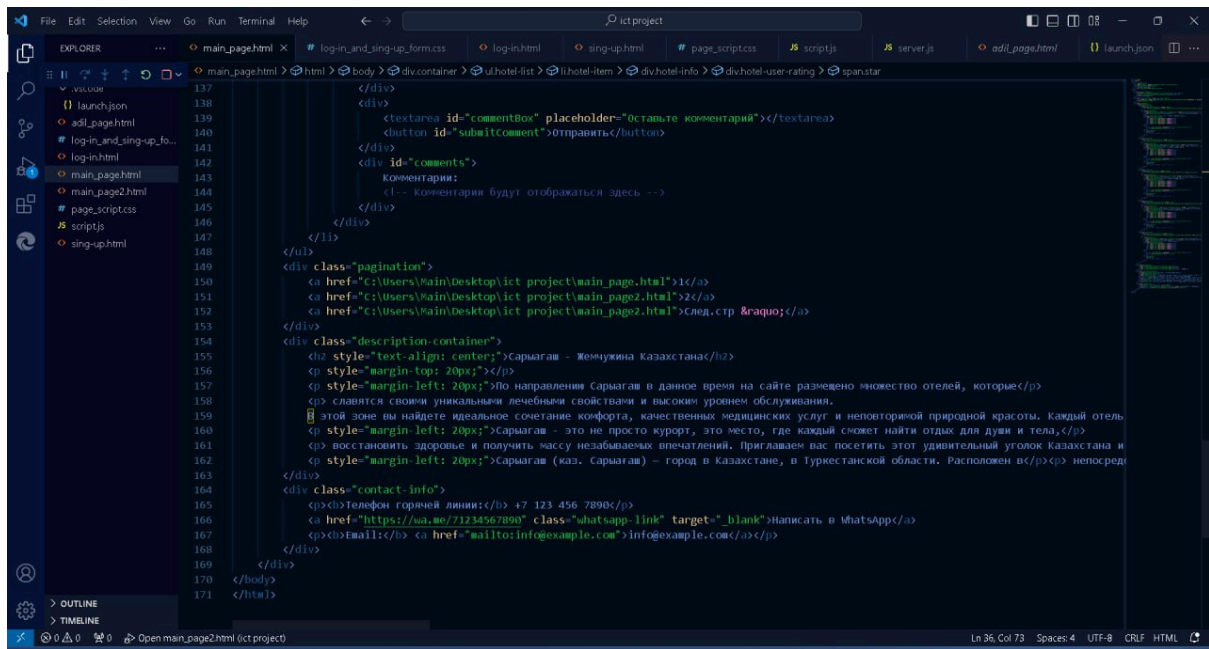**"Eloquent JavaScript" by Marijn Haverbeke**

"Node.js Web Development" by David Herron
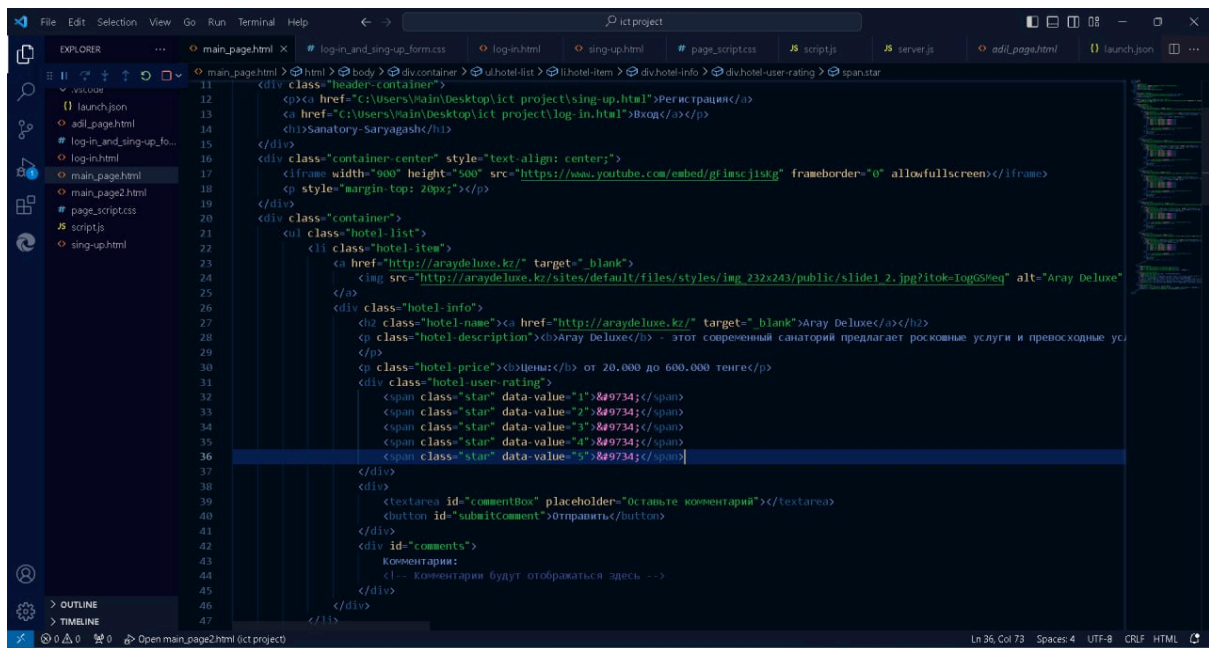
6. Product Description and Features:

1. Search Options
2. Real user Reviews and Ratings of communities
3. Simple and effective interface
4. User registration and profile pages
5. Adult target audience
6. User Support
7. Multi-language Support

7.


```javascript
const express = require('express');
const mongoose = require('mongoose');
const bcrypt = require('bcrypt');

const app = express();
const port = 3000;

// Подключение к MongoDB
mongoose.connect('mongodb://localhost:27017/myapp', { useNewUrlParser: true, useUnifiedTopology: true })
    .then(() => console.log('Подключение к MongoDB успешно установлено'))
    .catch(err => console.error('Ошибка подключения к MongoDB', err));

// Middleware для разбора JSON-тел запросов
app.use(express.json());

// Определение схемы пользователя
const userSchema = new mongoose.Schema({
    username: String,
    email: String,
    password: String,
});

// Хеширование пароля перед сохранением пользователя
userSchema.pre('save', async function(next) {
    if (this.isModified('password')) {
        this.password = await bcrypt.hash(this.password, 10);
    }
    next();
});

// Создание модели пользователя
const User = mongoose.model('User', userSchema);

// Маршрут для регистрации новых пользователей
app.post('/register', async (req, res) => {
    try {
        const newUser = new User(req.body);
```

8. Description of steps performed during development:

1. Select topic and analyze current market
2. Assigned each team member their workload
3. Create initial site design mock up
4. Create main page
5. Create User Registration
6. Create design for the page and registration form
7. Create server local
8. Link a local server with the site
9. Testing site
10. Showcase site

9. Reflection

We leveraged our collective past experiences throughout the project development. Each team member harnessed their individual strengths, contributing in unique ways. Alan applied his expertise from web and graphic design courses to improve on the user experience and interface, Berdiyar utilized his proficiency in HTML and JS, and Adil shaped the project's concept based on his background and origins from Southern Kazakhstan. This collaborative approach allowed us to tap into diverse skill sets, resulting in a well-rounded project.

10 Conclusion:

The project has undergone various phases, challenges, and triumphs. This reflection aims to encapsulate the key aspects of the development process, highlighting the accomplishments, lessons learned, and potential areas for improvement.

Project Objectives and Scope: The primary objective of the hotel booking site was to provide users with a seamless and user-friendly platform for reserving accommodations. The scope included designing an intuitive user interface, implementing a secure payment system, integrating real-time availability updates, and ensuring cross-browser compatibility.

Key Achievements:

1. **User Interface Design:** The development team successfully crafted a visually appealing and intuitive user interface. The design focused on simplicity, ensuring that users could easily navigate through the site and make reservations with minimal effort.
2. **Functionality and Features:** The implementation of essential features such as search functionality, room categorization, and booking management has been a success. The site also incorporates a responsive design to cater to users accessing it from various devices.
3. We HTML, CSS, Javascript, NodeJS, MongoDB.

Challenges Faced:

Optimization for Performance: Achieving optimal performance, especially during peak usage times, was an ongoing concern. Continuous monitoring and performance tuning were necessary to provide a seamless experience for users.

Lessons Learned:

1. **Effective Communication:** Clear and open communication within the development team proved vital for resolving issues promptly and ensuring everyone was on the same page.
2. **Adaptability:** The ability to adapt to changing requirements and unforeseen challenges was crucial. Flexibility in the development process allowed the team to overcome obstacles and deliver a more robust final product.
3. **Thorough Testing:** Rigorous testing, including unit testing, integration testing, and user acceptance testing, is indispensable for identifying and rectifying issues early in the development cycle.

Conclusion: In conclusion, the sanatorium booking site development project has been a rewarding experience marked by successful achievements and valuable lessons. The dedication of our development team, coupled with effective planning and problem-solving, has resulted in a functional and user-friendly platform. Moving forward, ongoing support and iterative improvements will be essential to ensure the site's continued success and relevance in the modern online hospitality market.

Вход

231631@astanait.edu.kz

••••••••••••••••

ВХОД

или

GOOGLE

Регистрация

Alan

23523@astanait.edu.kz

••••••••••••

••••••••••••

РЕГИСТРАЦИЯ

или

GOOGLE

Регистрация Вход

Sanatory-Saryagash

СаяхатTime – Сарыагаш - Жемчужина Юга / Meet Me In QAZAQStan

Поделить...

Посмотреть на ▶ YouTube

Aray Deluxe

Aray Deluxe - этот современный санаторий предлагает роскошные услуги и превосходные условия для полноценного

Aray Deluxe

Aray Deluxe - этот современный санаторий предлагает роскошные услуги и превосходные условия для полноценного отдыха. Спокойная атмосфера, изысканные номера и высококлассное обслуживание создадут незабываемый опыт для каждого гостя.

Цены: от 20.000 до 600.000 тенге

☆ ☆ ☆ ☆ ☆

Good sanatorium, i will be mis this place | Отправить

Комментарии:

Oksi

Oksi - Санаторий Oksi является оазисом спокойствия и релаксации. Он предлагает широкий выбор процедур для оздоровления, уютные номера и теплое гостеприимство, обеспечивая идеальные условия для восстановления тела и духа.

Цены: от 27.500 до 75.000 тенге

☆ ☆ ☆ ☆ ☆

Оставьте комментарий | Отправить

Комментарии:

Ak-Tilek

Ak-Tilek - Ak-Tilek известен своими термальными источниками и качественными оздоровительными программами. Этот санаторий предлагает комфортное проживание и профессиональные услуги для тех, кто ищет уединение и здоровье.

Цены: от 20.000 до 58.000 тенге

1 2 След.стр »

Сарыагаш - Жемчужина Казахстана

По направлению Сарыагаш в данное время на сайте размещено множество отелей, которые славятся своими уникальными лечебными свойствами и высоким уровнем обслуживания. В этой зоне вы найдете идеальное сочетание комфорта, качественных медицинских услуг и неповторимой природной красоты. Каждый отель в Сарыагаше предоставляет своим гостям возможность насладиться уникальным климатом, лечебными водами и разнообразными оздоровительными процедурами.

Сарыагаш - это не просто курорт, это место, где каждый сможет найти отдых для души и тела, восстановить здоровье и получить массу незабываемых впечатлений. Приглашаем вас посетить этот удивительный уголок Казахстана и убедиться в его чудодейственной силе на собственном опыте!

Сарыагаш (каз. Сарыагаш) — город в Казахстане, в Туркестанской области. Расположен в непосредственной близости от казахстанско-узбекистанской границы, в 10 км от столицы Узбекистана — Ташкента. Территория города составляет 39,2 км² и продолжает расширяться в связи с увеличением населения. В Сарыагаше есть источники минеральных вод; располагаются заводы по их бутилированию. Город известен как центр санаторно-курортного лечения. Кроме того, развито производство элитных сортов виноградных вин. Из полезных ископаемых имеются запасы газа, урана, золота и других элементов таблицы Менделеева.

Телефон горячей линии: +7 123 456 7890

Написать в WhatsApp

Email: info@example.com