САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО

Дисциплина: Фронт-энд разработка

Отчет

Лабораторная работа №3

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K33402

Проверил:
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Санкт-Петербург

2023 г.

Задача

Мигрировать ранее написанный сайт на фреймворк Vue.JS.
Минимальные требования:

- Должен быть подключён роутер
- Должна быть реализована работа с внешним API
- Разумное деление на компоненты
- Использование composable

Ход работы:

Создаю App.vue – главный компонент, с его помощью я отображаю страницу. Header, Footer – постоянные, RouterView же меняется, в зависимости от страницы.

App.vue ● | ServiceCard.vue | services.vue ● | about.vue

src > App.vue > Vetur > {} "App.vue" > style > header

```vue
<script setup>
import MyHeader from './components/MyHeader.vue'
import MyFooter from './components/MyFooter.vue'
import { provide, ref } from 'vue'
const IsLogined = ref()
provide('IsLogined', IsLogined)
</script>

<template>
  <MyHeader :IsLogined="IsLogined" />
  <router-view></router-view>
  <MyFooter />
</template>

<style scoped>
header {
  background-color: #02011e;
}
</style>
```

Создаю компоненты, которые будут отображать каждую страницу.

MyHeader - шапка сайта

MyFooter - Футер сайта

ServiceCard - конструктор карточки услуги

CardList - Вывод всех карточек услуг на страницу услуг

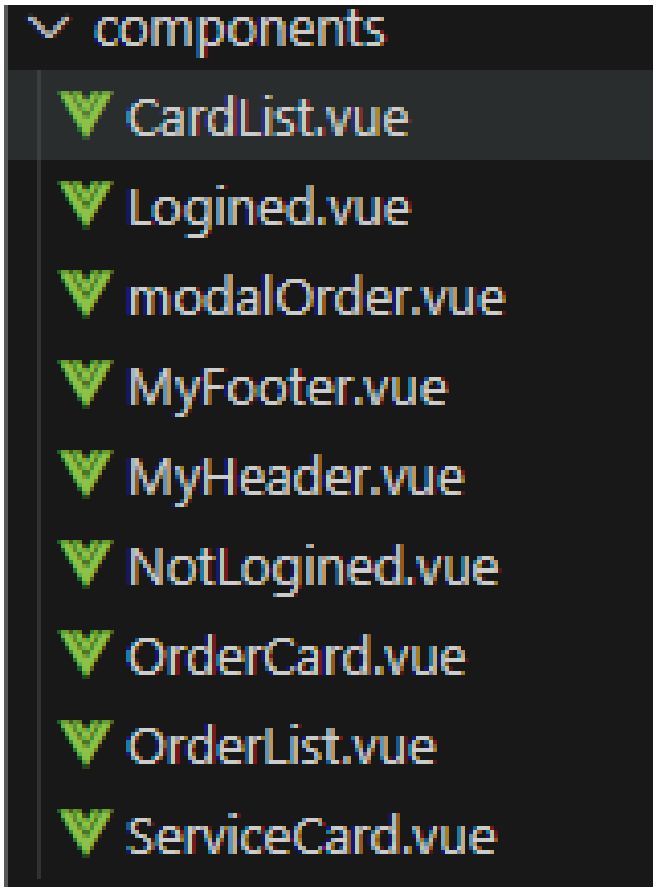
OrderCard - конструктор карточки заказа

OrderList - Вывод всех карточек заказов в профиль

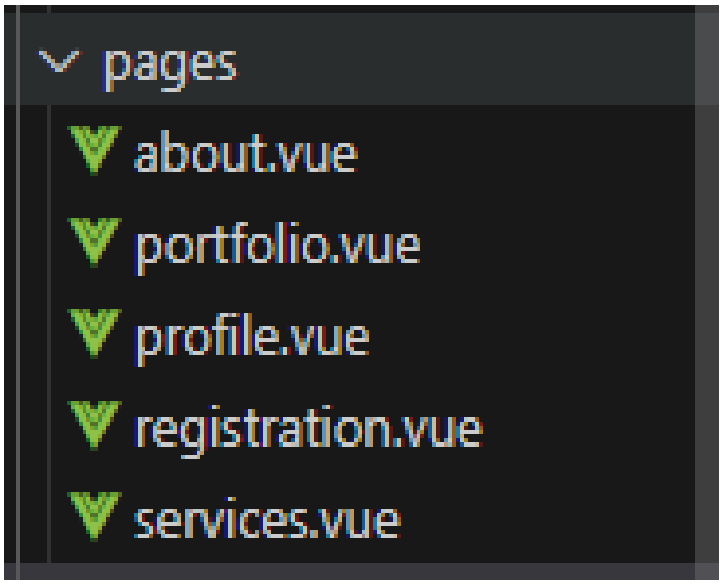
Logined - компонент шапки, отображаемый, когда пользователь залогинен

NotLogined - компонент шапки, отображаемый, когда пользователь не залогинен

Modal order - модальное окно заказа услуги



Создаю pages для всех страничек.



About.vue:

```vue
<template>
  <div class="container-fluid textabout">
    <div class="d-flex flex-row justify-content-evenly align-items-center">
      <div class="d-flex flex-column border-top">
        <h1 style="text-align: center; padding-top: 10px">About me</h1>
        <h2 style="text-align: center">I`m front-end developer from Saints-Petersburg</h2>
        <h3 style="line-height: 1.5; padding-top: 15px">
          I`m striving to create innovative and visually appealing user interfaces<br />
          with over two years of experience in frontend development.<br />
          I have a deep understanding of modern web technologies, standards and trends,<br />
          as well as experience in working in a team to achieve outstanding results
        </h3>
        <router-link
          to="/services"
          type="button"
          class="buybutton text-uppercase"
          href="services.html"
          style="padding-top: 33px"
        >
          <h3>View my services</h3>
        </router-link>
      </div>
      <img class="myphoto" src="/myphoto.jpg" />
    </div>
  </div>
</template>
<style scoped>
1 reference
.textabout {
  min-height: 100vh;
  padding-top: 100px;
}
1 reference
.myphoto {
  max-width: 900px;
  max-height: 700px;
}
0 references
.aboutmetext {
  padding-top: 150px;
}
1 reference
.buybutton {
  display: block;
  background-color: #02011e;
  color: #8738f8;
  margin: auto;
  width: 66%;
  height: 100px;
```

portfolio.vue:

```
<script setup></script>
<template>
  <div class="container-fluid" style="height: auto; padding-top: 50px; padding-left: 100px">
    <h1>Samarov Ilya</h1>
    <h5>Male, 20-year-old</h5>
    <br />
    +7(911)2975849 - <span class="port-subt">preffered method of communication</span> <br />
    samarov2012@gmail.com
    <br />
    <br />
    Lives: St. Petersburg Citizenship: Kazakhstan, work permit: Russia <br />
    Not ready to move, ready for business trips
    <br />
    <br />
    <br />
    <div class="port-subh">
      Desired position and salary
      <hr width="50%" />
      <br />
    </div>
    <h6>Frontend Developer</h6>
    Specializations: <br />
    - Programmer, Developer Employment: full-time <br />
    Work schedule: full day<br />
    Desirable travel time to work: not relevant<br /><br />
    <div class="port-subh">
      Work experience - 2 months
      <hr width="50%" />
      <br />
    </div>
    <div class="row">
      <div class="col-1 port-subt">
        July 2022 - August 2022 <br />
        2 months
      </div>
      <div class="col-11">
        <h5>Kaspi Bank</h5>
        <h6>Programmer-developer</h6>
        Internship, writing code with the team.<br />
      </div>
    </div>

    <br /><br />
    <div class="port-subh">
      Education
      <hr width="50%" />
    </div>
    Higher<br /><br />
```

Profile.vue:

```vue
<script setup>
import OrderList from '../components/OrderList.vue'
import useApi from '@/composable/useApi'
import { onMounted } from 'vue'
const { ordersApi, orders } = useApi()
const username = JSON.parse(localStorage.getItem('user')).id
onMounted(ordersApi)
</script>

<template>
  <div class="container-fluid" style="min-height: 100vh; padding: 30px">
    <h3>Welcome, {{ username }}!</h3>
    <h4>Here you can see your orders</h4>
    <OrderList :orders="orders" />
  </div>
</template>
```

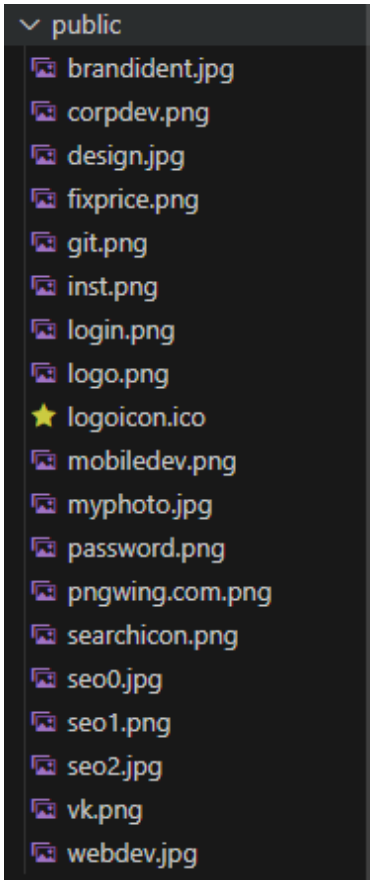
Registration.vue

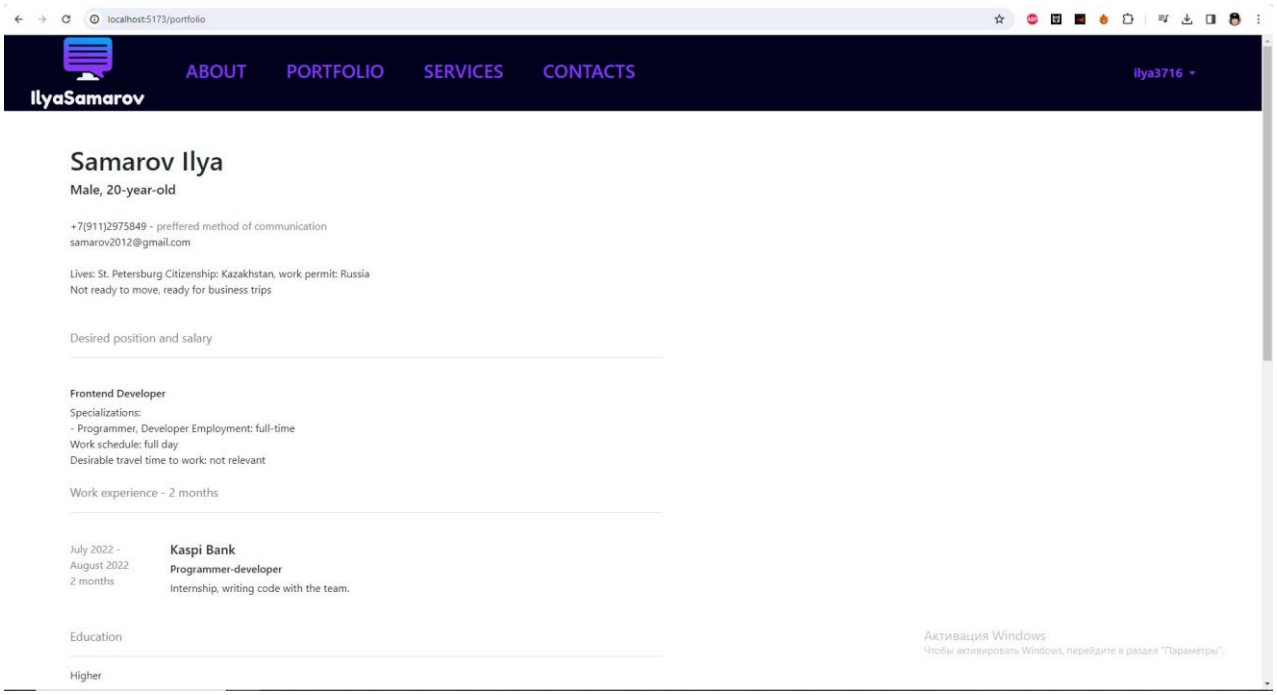
```vue
<script setup>
import useApi from '@/composable/useApi'

const { registerApi } = useApi()
</script>

<template>
  <div class="container-fluid register">
    <h1 style="padding-top: 75px">Welcome to the registration page!<br /></h1>
    <h4 style="padding-bottom: 30px">
      <br />Thanks for using my website, I hope you enjoy my services and we can cooperate!
    </h4>
    <hr />
    <form @submit="registerApi">
      <div class="d-flex flex-column justify-content-center border-right" style="padding-left: 33%">
        <div class="d-flex flex-column RegObj">
          <label for="regusername">Username</label>
          <input
            type="text"
            name="id"
            id="regusername"
            style="width: 25%; min-width: 150px"
            autocomplete="off"
            required
          />
        </div>
        <div class="d-flex flex-column RegObj">
          <label for="regemail">Email</label>
          <input
            type="email"
            name="email"
            id="regemail"
            style="width: 25%; min-width: 150px"
            autocomplete="on"
            required
          />
        </div>
        <div class="d-flex flex-column RegObj">
          <label for="regpass">Password</label>
          <input
            type="password"
            name="password"
            id="regpass"
            style="width: 25%; min-width: 150px"
            autocomplete="on"
            required
          />
        </div>
        <button type="submit" class="regbtn">Register</button>
      </div>
    </form>
```

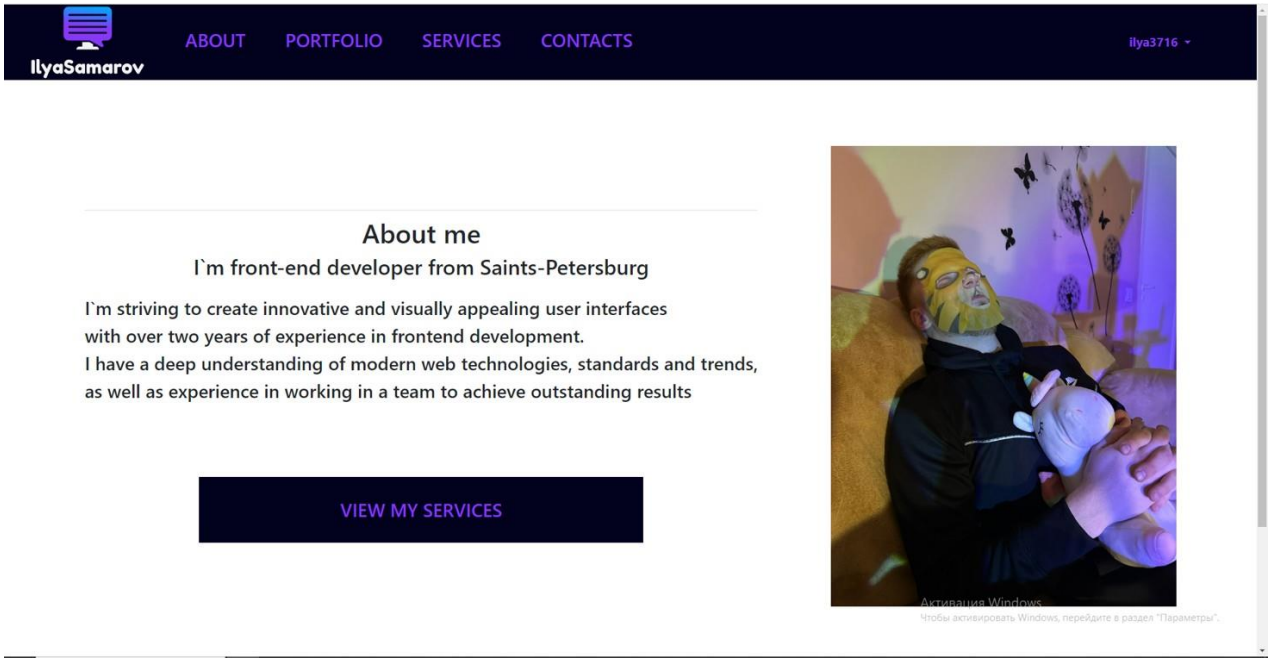
Создаю Роутер, добавляю взаимодействие с ним в index.js

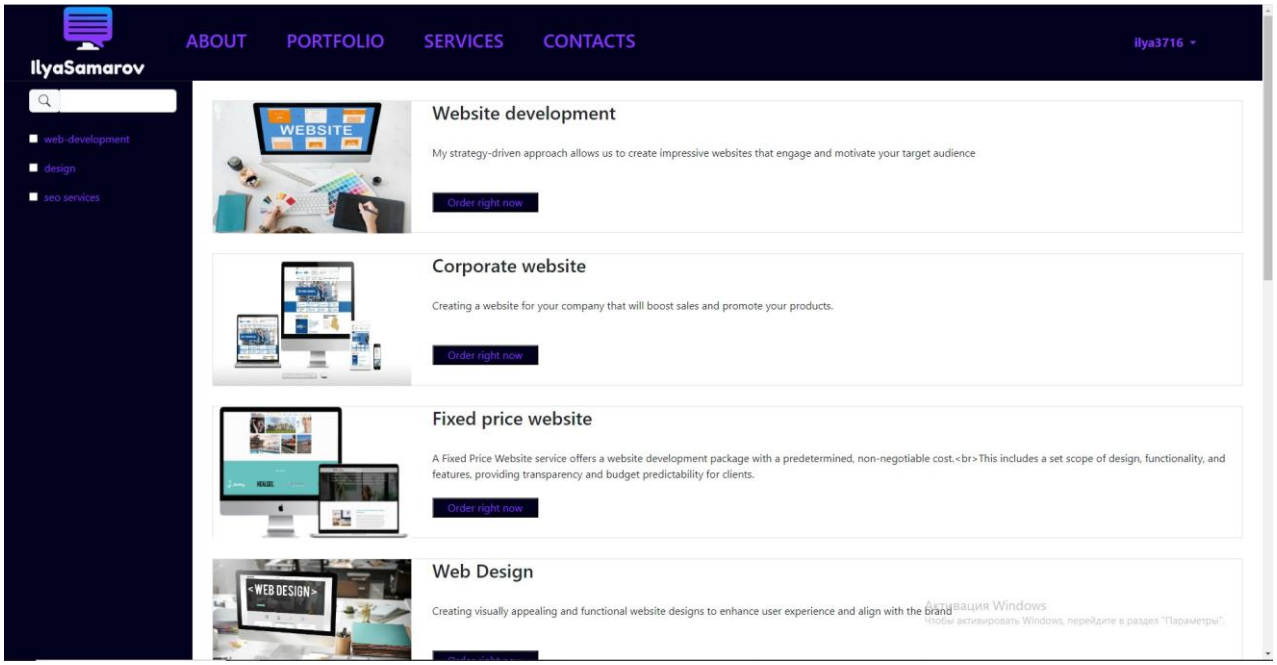
```
const routes = [
  { path: '/services', name: 'services', component: services },
  { path: '/about', name: 'about', component: about },
  { path: '/portfolio', name: 'portfolio', component: portfolio },
  { path: '/registration', name: 'registration', component: registration },
  { path: '/profile', name: 'profile', component: profile }
]

const router = createRouter({
  history: createWebHistory(),
  routes
})
```

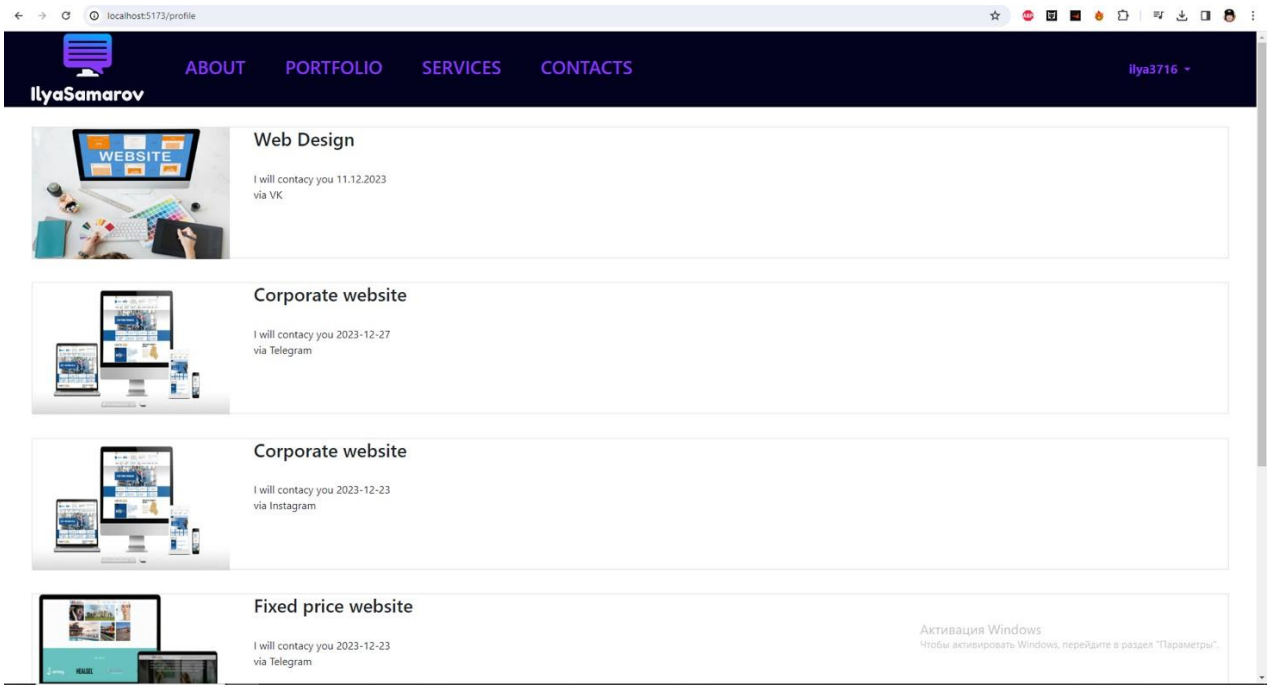
Добавляю картинки

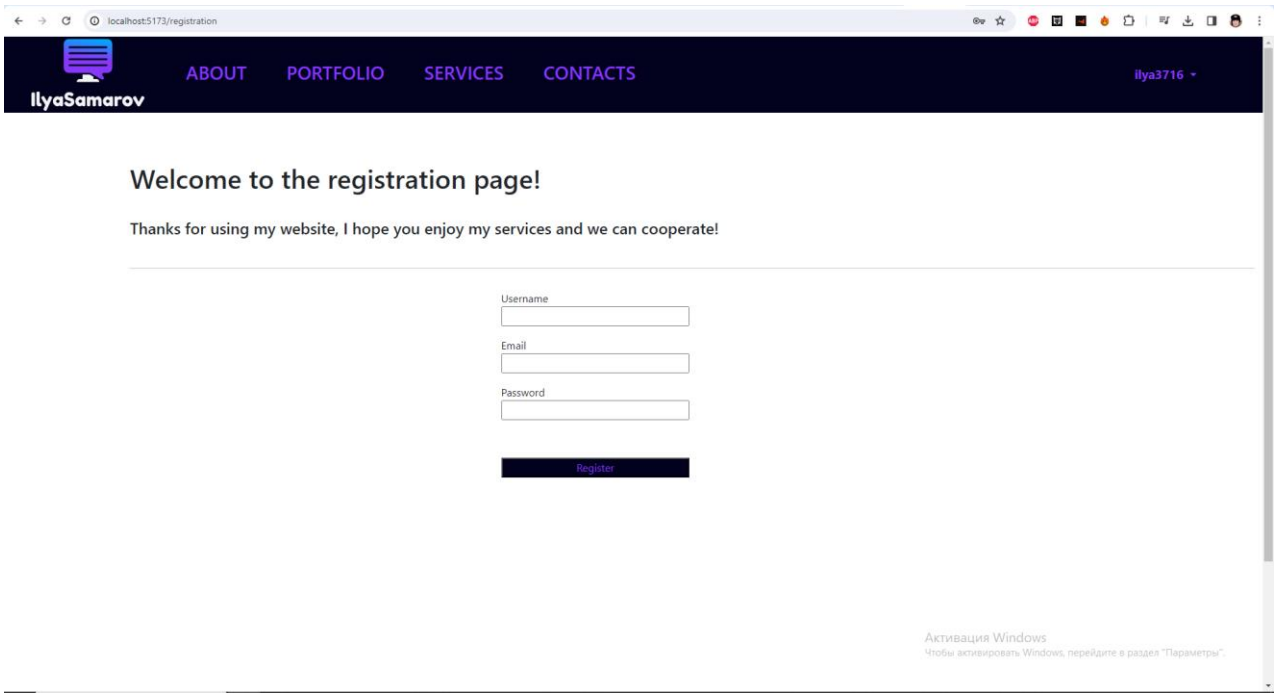



localhost:5173/portfolio
IlyaSamarov
ABOUT
PORTFOLIO
SERVICES
CONTACTS
ilya3716
Samarov Ilya
Male, 20-year-old
+7(911)2975849 - preffered method of communication
samarov2012@gmail.com
Lives: St. Petersburg Citizenship: Kazakhstan, work permit: Russia
Not ready to move, ready for business trips
Desired position and salary
Frontend Developer
Specializations:
- Programmer, Developer Employment: full-time
Work schedule: full day
Desirable travel time to work: not relevant
Work experience - 2 months
July 2022 - August 2022
2 months
Kaspi Bank
Programmer-developer
Internship, writing code with the team.
Education
Higher
Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".


IlyaSamarov
ABOUT
PORTFOLIO
SERVICES
CONTACTS
ilya3716
About me
I`m front-end developer from Saints-Petersburg
I`m striving to create innovative and visually appealing user interfaces
with over two years of experience in frontend development.
I have a deep understanding of modern web technologies, standards and trends,
as well as experience in working in a team to achieve outstanding results
VIEW MY SERVICES
Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".


IlyaSamarov
ABOUT
PORTFOLIO
SERVICES
CONTACTS
ilya3716
web-development
design
seo services
Website development
My strategy-driven approach allows us to create impressive websites that engage and motivate your target audience
Order right now
Corporate website
Creating a website for your company that will boost sales and promote your products.
Order right now
Fixed price website
A Fixed Price Website service offers a website development package with a predetermined, non-negotiable cost.
This includes a set scope of design, functionality, and features, providing transparency and budget predictability for clients.
Order right now
Web Design
Creating visually appealing and functional website designs to enhance user experience and align with the brand
Активация Windows


localhost:5173/profile
IlyaSamarov
ABOUT
PORTFOLIO
SERVICES
CONTACTS
ilya3716
Web Design
I will contacy you 11.12.2023
via VK
Corporate website
I will contacy you 2023-12-27
via Telegram
Corporate website
I will contacy you 2023-12-23
via Instagram
Fixed price website
I will contacy you 2023-12-23
via Telegram
Активация Windows


localhost:5173/registration
IlyaSamarov
ABOUT
PORTFOLIO
SERVICES
CONTACTS
Ilya3716
Welcome to the registration page!
Thanks for using my website, I hope you enjoy my services and we can cooperate!
Username
Email
Password
Register
Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

Также в логике сайта был использован composable: useApi.js:

```
import axios from 'axios'
import { ref } from 'vue'
import bootstrap from 'bootstrap/dist/js/bootstrap.bundle.min.js'
import { router } from '@/main'
const currentName = ref([])
const currentSrc = ref([])
const orders = ref([])
const items = ref([])
const SearchQuery = ref('')
const filters = ref([])
export default function useApi() {
  const loginApi = (loginData, username) => {
    axios
      .post('http://localhost:3000/login', loginData)
      .then(function (response) {
        const { data } = response
        const { accessToken, user } = data
        localStorage.accessToken = accessToken
        localStorage.user = JSON.stringify(user)

        username.value = user
        const btnClose = document.getElementById('btnClose')
        btnClose.click()
      })
      .catch(function (error) {
        console.log(error)
        alert('email or password is incorrect')
      })
  }

  const ordersApi = async () => {
    const username = JSON.parse(localStorage.getItem('user')).id
    let url = `http://localhost:3000/orders?username=${username}`
    const { data } = await axios.get(url)
    orders.value = data
  }

  const servicesApi = async () => {
    try {
      let url = `http://localhost:3000/services?q=${SearchQuery.value}`
      for (let check of filters.value) {
        url += `&Group=${check}`
      }

      const { data } = await axios.get(url)
      items.value = data
    } catch (err) {
      console.log(err)
    }
  }
```

```
const orderApiPost = async (event) => {
  event.preventDefault()
  const date = document.getElementById('startDate').value
  const type = document.getElementById('comType').value
  var user = localStorage.getItem('user')
  var profileUsername = JSON.parse(user).id
  await axios.post('http://localhost:3000/orders', {
    Head: currentName.value,
    date: date,
    type: type,
    imgSrc: currentSrc.value,
    username: profileUsername
  })
  alert('Ordered!')
  currentName.value = ''
  currentSrc.value = ''
  document.getElementById('closeOrderModal').click()
}

const registerApi = async (event) => {
  event.preventDefault()

  const inputs = Array.from(event.target.querySelectorAll('input'))
  const loginData = {}

  for (const input of inputs) {
    loginData[input.name] = input.value
  }

  console.log('login data', loginData)
  try {
    await axios.post('http://localhost:3000/users', loginData)
    router.push('/services')
    new bootstrap.Modal(document.getElementById('modal-reg')).show()
  } catch (err) {
    alert(err.response.data)
  }
}

return {
  loginApi,
  ordersApi,
  orders,
  servicesApi,
  items,
  SearchQuery,
  filters,
  currentName,
  currentSrc,
  orderApiPost,
```

useLogin.js:

```
import { ref } from 'vue'
import { router } from '@/main'
import useApi from '@/composable/useApi'

const { loginApi } = useApi()
const username = ref(localStorage.getItem('user'))
export default function useLogin() {
  const login = async (event) => {
    event.preventDefault()
    const inputs = Array.from(event.target.querySelectorAll('input'))
    const loginData = {}

    for (const input of inputs) {
      loginData[input.name] = input.value
    }
    loginApi(loginData, username)
  }

  const logout = () => {
    localStorage.clear()
    username.value = ''
  }

  const profile = () => {
    router.push('/profile')
  }

  const openReg = () => {
    router.push('/registration')
    document.getElementById('btnClose').click()
  }

  return {
    username,
    login,
    logout,
    profile,
    openReg
  }
}
```