САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО

Дисциплина: Фронт-энд разработка

Отчет

Лабораторная работа 3 Разработка одностраничного веб-приложения (SPA) с использованием фреймворка Vue.JS

Выполнил:

Мартьянова Ольга

Группа К3344d

Проверил: Добряков Д. И.

Санкт-Петербург

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Задача

Мигрировать ранее написанный сайт на фреймворк Vue.JS.

Ход работы

Сайт перенесенн на фреймворк Vue.js.

Некоторые использованные компоненты:

1. Навбар:

2. Карточка продуктов

```
import { computed } from 'vue'
import { useUserStore } from '@/stores/user'
import { useThemeStore } from '@/stores/theme'
import { useNutritionStore } from '@/stores/nutrition'
const userStore = useUserStore()
const themeStore = useThemeStore()
const theme = computed(themeStore.getThemeData)
const nutritionStore = useNutritionStore()
const props = defineProps({
 product: {
   required: true
const isFavorite = computed(() => !!userStore.user.favorites.find((e) => e === props.product.name))
const add = async () => {
  userStore.addToFavorites(props.product.name)
 nutritionStore.data = null
const remove = async () => {
  userStore.removeFromFavorites(props.product.name)
/
</script>
<template>
  <div class="my-card card"
     '--background-color': `${theme.backgroundColor}`,
'--text-color': `${theme.textColor}`,
'--border-color': `${theme.borderColor}`,
   Calorie content(for 100gr): {{ product.calories }}
           Proteins: {{ product.protein_g }}
           Fats: {{ product.fat_total_g }}
           Carbohydrates: {{ product.carbohydrates_total_g }}
           <button v-if="isFavorite" class="btn btn-custom remove-btn" @click="remove">
              <svg class="icon">
                <use xlink:href="../svg/sprite.svg#deleteIcon"></use>
             Remove from favorites
           <button v-else class="btn btn-custom add-btn" @click="add">
              <svg class="icon">
                <use xlink:href="../svg/sprite.svg#addIcon"></use>
              Add to favorites</button>
  </template>
```

3. Карточки с информацией пользователя

Созданные страницы:

1. Основная

```
/*script setup
import NavigationBar from '@/components/NavigationBar.vue'

/*script>

/*cemplate>

/*cemplate>

/*colors="background-image">

/*NavigationBar />

/*nain class="main-container">

/*h2 class="display-4 text-center">

/*p2 class="lead">

/*p2 class="lead">

/*p2 class="lead">

/*p3 crouter-link to="/auth" class="btn btn-custom">

/*p3 class="lead">

/*p4 class="lead">

/*p5 class="lea
```

2. Регистрация

```
<script setup>
import RegForm from '@/components/RegForm.vue'
import NavigationBar from '@/components/NavigationBar.vue'
import { useThemeStore } from '@/stores/theme
import { computed } from 'vue'
const themeStore = useThemeStore()
const theme = computed(themeStore.getThemeData)
</script>
<template>
   class="light-background"
    :style="{
       --background-image': `url(${theme.backgroundImage})`,
      '--text-color': `${theme.textColor}
    <div class="reg-container">
     <div class="col-lg-6 col-md-8">
     <h2 class="reg-title">Registration</h2>
        <RegForm />
          :style="{
             '--background-color': `${theme.backgroundColor}`,
            '--border-color': `${theme.borderColor}`
         Already have an account? <router-link to="/auth">Log in</router-link>
</template>
```

3. Авторизация

4. Личный кабинет

```
<script setup>
import NavigationBar from '@/components/NavigationBar.vue'
import DataCard from '@/components/DataCard.vue'
import RationList from '@/components/RationList.vue'
import { ref, computed, onBeforeMount } from 'vue'
import { processInfoData } from '@/modules/infoData'
import { processParams } from '@/modules/paramsData'
import { useThemeStore } from '@/stores/theme'
import { useUserStore } from '@/stores/user'
import { useRouter } from 'vue-router'
import ProductCard from '@/components/ProductCard.vue'
const themeStore = useThemeStore()
const userStore = useUserStore()
const router = useRouter()
const infoData = ref(null)
const paramData = ref(null)
const rationList = ref(null)
const theme = computed(themeStore.getThemeData)
onBeforeMount(async () => {
    await userStore.fetch()
    userStore.getFavorites()
    router.replace('/auth')
  const userData = userStore.user
  if (!userData) {
    router.replace('/auth')
    return
  infoData.value = processInfoData(userData)
  paramData.value = processParams(userData)
```

```
rationList.value = userData.daily_rations
console.log(rationList);
}

const onEditClick = () => {
    router.push('/account/edit')
}

**Cemplate>

**Cemplate>

**Cemplate>

**Civ class="light-background"
:style="{
    '--background-image': `url(${theme.backgroundImage})`,
    '--text-color': `${theme.textColor}`}
}

**NavigationBar />

**Cmain class="col-md-8">

**Chackard title="Info" :data="infoData">

**Cobatcard title="info" :data="infoData">

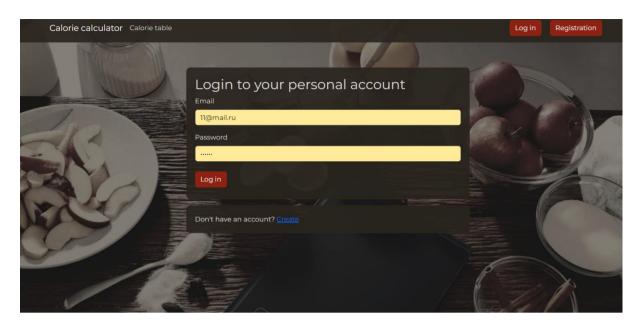
**Cobatcar
```

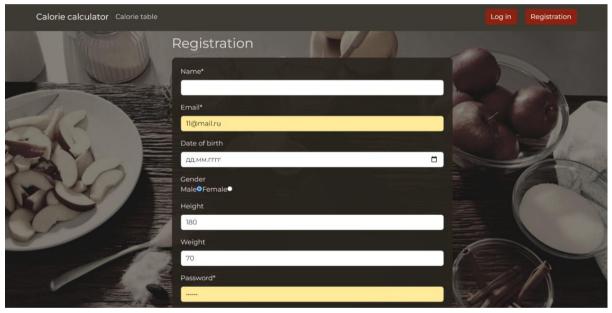
5. Таблица калорийности

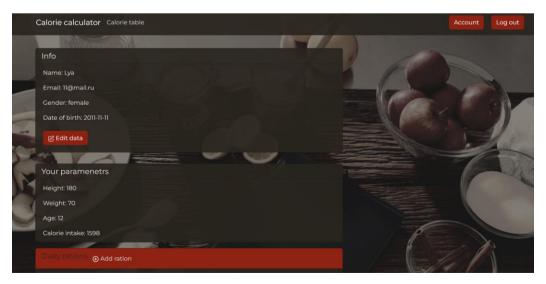
```
<script setup>
import { computed, onBeforeMount } from 'vue'
import NavigationBar from '@/components/NavigationBar.vue'
import SearchBar from '@/components/SearchBar.vue'
import FilterButton from '@/components/FilterButton.vue'
import { useThemeStore } from '@/stores/theme'
import { useNutritionStore } from '@/stores/nutrition'
import ProductCard from '@/components/ProductCard.vue'
import { useUserStore } from '@/stores/user'
import { useRouter } from 'vue-router'
const nutritionStore = useNutritionStore()
const userStore = useUserStore()
const router = useRouter()
const themeStore = useThemeStore()
const theme = computed(themeStore.getThemeData)
onBeforeMount(async () => {
    await userStore.fetch()
    nutritionStore.data = null
     if (!userStore.user) {
       router.replace('/auth')
    router.replace('/auth')
</script>
```

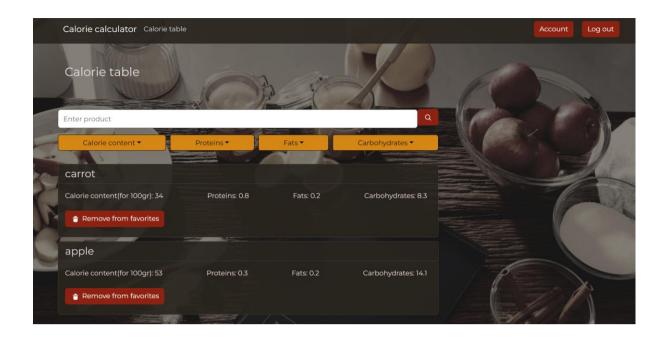
Итого получилось:











Вывод

Ранее написанный проект был мигрирован на Vue.js с сохранением всего задуманного ранее функционала