Министерство науки и высшего образования РФ

Государственное образовательное учреждение высшего профессионального образования

Белгородский Государственный Технологический Университет им В. Г. Шухова

Кафедра программного обеспечения вычислительной техники и автоматизированных систем.

Лабораторная работа №2 по дисциплине

«Технологии web-программирования»

Клиентское программирование. Vue js.

Выполнил:
студент группы ПВ-42
Волобуев И.К.
Проверил:
Картамышев С.В.

Белгород 2020 г.

Цель работы: познакомиться с основами разработки на языке JavaScript. Познакомится с основами разработки frontend приложения, в частности с использованием клиентских фреймворков (Vue js). Научиться переносить вёрстку в отдельные компоненты.

Выполнение.

Home.vue

```vue
<template>
  <div>
    <div class="background_container">
    <div class="content_container">
      <div class="style_welcome_head__container">
        <div class="style_welcome_head__style">
          <h1 class="style_welcome_head__title style_welcome_head__title_margin">MovieBlog</h1>
          <h2 class="style_welcome_head__text">The best resource about world of cinema</h2>
        </div>
      </div>
      <div class="style_random_button__container">
        <button class="myButton">Random Movie</button>
      </div>
      <div class="style_top_5__container">
        <h2 class="style_welcome_head__style style_welcome_head__text">Top 5 movies</h2>
        <div class="style_top_5__poster_container">
          <div class="styles_posterColumn__width" v-for="item in items" :key=item.id>
            <router-link to="/film/{item.id}">
              <img class="film-poster styles_pic__size styles_pic__back image"
                   v-bind:src="item.poster" alt="">
            </router-link>
          </div>
        </div>
      </div>
    </div>
    </div>
  </div>
</template>

<script>
export default {
  name: 'Home',
  data() {
    return {
      items: [
        {
          id: 1,
          poster: 'https://images-na.ssl-images-amazon.com/images/I/71W2aEcrxxL._AC_SL1334_.jpg'
        },
        {
          id: 2,
          poster: 'https://st.kp.yandex.net/im/poster/4/3/4/kinopoisk.ru-The-Godfather-434475.jpg'
        },
        {
```

```
            id: 3,
            poster: 'https://st.kp.yandex.net/im/poster/2/5/8/kinopoisk.ru-
Pulp-Fiction-2589679.jpg'
        },
        {
            id: 4,
            poster: 'https://st.kp.yandex.net/im/poster/8/1/7/kinopoisk.ru-The-
Lord-of-the-Rings_3A-The-Return-of-the-King-817079.jpg'
        },
        {
            id: 5,
            poster: 'https://st.kp.yandex.net/im/poster/2/4/4/kinopoisk.ru-
Lock_2C-Stock-and-Two-Smoking-Barrels-2443231.jpg'
        }
      ]
    }
  }
}
</script>
```

AuthReg.vue

```
<template>
  <div class="styles_bg styles_page">
  <div class="myFont">
  <div>
    <h1 class="welcome">Welcome to MovieBlog</h1>
  </div>
  <form class="form-signin">
      <div v-if="current_state === 1">
        <div class="input_box">
          <div class="input">
            <label for="inputEmail">Login</label>
            <input type="text" id="inputEmail" v-model="login" class="form-
control" style="margin-left: 3px" placeholder="Login" required autofocus>
          </div>
          <div class="input">
            <label for="inputPassword">Password</label>
            <input type="password" id="inputPassword" v-model="password"
class="form-control" style="margin-left: 3px"  placeholder="Password"
required>
          </div>
        </div>
        <div class="checkbox mb-3">
          <label>
            <input type="checkbox" value="remember-me"> Remember me
          </label>
        </div>
        <button class="myButton" type="submit" v-
on:click="signIn_button_clicked">Sign in</button>
        <button class="myButton" type="button" v-
on:click="create_acc_button_clicked">Create account</button>
      </div>
      <div v-else>
        <div class="input_box">
          <div class="input">
            <label for="inputEmail">Login</label>
            <input type="text" id="inputNewEmail" class="form-control"
style="margin-left: 3px" placeholder="Login" required autofocus>
          </div>
          <div class="input">
            <label for="inputPassword">Password</label>
```

```html
                <input type="password" id="inputNewPassword" class="form-control" style="margin-left: 3px"  placeholder="Password" required>
            </div>
            <div class="input">
                <label for="inputPassword">Repeat Password</label>
                <input type="password" id="inputNewPasswordRepeat" class="form-control" style="margin-left: 3px"  placeholder="Password" required>
            </div>
        </div>
        <button class="myButton" type="submit" v-on:click="back_button_clicked">Back</button>
        <button class="myButton" type="button" v-on:click="registration_button_clicked">Registration</button>
      </div>
    </form>
  </div>
  </div>
</template>

<script>
import user from "../components/user/user";
export default {
  name: "AuthReg",
  methods: {
    create_acc_button_clicked(){
      this.current_state = 2
    },
    back_button_clicked(){
      this.current_state = 1
    },
    registration_button_clicked(){
      //some ajax
    },
    signIn_button_clicked(){
      if (this.validate()){
        const result = {
          login: 'user',
          accessToken: 'a123'
        }
        user.auth(result)
      }
    },
    validate(){
      this.errors = {}
      if (this.login.trim().length === 0) {
        this.errors.email = 'Заполните Email.'
      }
      if (this.password.trim().length === 0) {
        this.errors.password = 'Заполните Пароль.'
      }
      return Object.keys(this.errors).length === 0
    }
  },
  data(){
    return {
      login: '',
      password: '',
      errors: {},
      current_state: 1
    }
  }
}
</script>
```

Content.vue

```
<template>
  <div class="styles_root__main_container">
    <div class="styles_contentContainer__main_props">
      <div class="styles_container__props">
        <div class="styles_container__props_margin">
          <div class="styles_posterColumn__width styles_column__el_position">
            <div class="styles_poster__position">
              <div class="styles_poster__pic_padding">
                <a>
                  <img class="film-poster styles_pic__size styles_pic__back
image"
                       v-bind:src="movie.poster" alt>
                </a>
              </div>
            </div>
          </div>
          <div class="styles_column__el_position styles_info_container__pos">
            <div class="styles_container_info__padding">
              <div class="styles_container__props_margin">
                <div class="styles_title__pos">
                  <h1 class="styles_title__margin styles_title__font
styles_title__color" itemprop="name">{{movie.name}}</h1>
                </div>
              </div>
              <div class="styles_container__props_margin">
                <div class="styles_column__el_position styles_info__pos">
                  <h3 class="styles_title_info__pos
styles_title_info__font_size styles_title_info__font_style
styles_title__color">
                    About Movie
                  </h3>
                  <div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                      <div class="styles_title__props">Year</div>
                      <div
class="styles_value__props">{{movie.release.year}}</div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                      <div class="styles_title__props">Country</div>
                      <div v-for="country in movie.country"
:key="country.id">
                        <div v-if="movie.country.indexOf(country) !==
movie.country.length-1">
                          <div
class="styles_value__props">{{country.name}},</div>
                        </div>
                        <div v-else>
                          <div
class="styles_value__props">{{country.name}}</div>
                        </div>
                      </div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                      <div class="styles_title__props">Genre</div>
                      <div v-for="genre in movie.genre" :key="genre.id">
                        <div v-if="movie.genre.indexOf(genre) !==
movie.genre.length-1">
                          <div
```

```html
                                class="styles_value__props">{{genre.name}},</div>
                            </div>
                            <div v-else>
                                <div
class="styles_value__props">{{genre.name}}</div>
                            </div>
                        </div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                        <div class="styles_title__props">Director</div>
                        <div v-for="director in movie.director"
:key="director.id">
                            <div v-if="movie.director.indexOf(director) !==
movie.director.length-1">
                                <div
class="styles_value__props">{{director.name}},</div>
                            </div>
                            <div v-else>
                                <div
class="styles_value__props">{{director.name}}</div>
                            </div>
                        </div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                        <div class="styles_title__props">Writer</div>
                        <div v-for="writer in movie.writer" :key="writer.id">
                            <div v-if="movie.writer.indexOf(writer) !==
movie.writer.length-1">
                                <div
class="styles_value__props">{{writer.name}},</div>
                            </div>
                            <div v-else>
                                <div
class="styles_value__props">{{writer.name}}</div>
                            </div>
                        </div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                        <div class="styles_title__props">Producer</div>
                        <div v-for="producer in movie.producer"
:key="producer.id">
                            <div v-if="movie.producer.indexOf(producer) !==
movie.producer.length-1">
                                <div
class="styles_value__props">{{producer.name}},</div>
                            </div>
                            <div v-else>
                                <div
class="styles_value__props">{{producer.name}}</div>
                            </div>
                        </div>
                    </div>
                    <div class="styles_rowInformation__color
styles_rowInformation__position">
                        <div class="styles_title__props">Operator</div>
                        <div v-for="operator in movie.operator"
:key="operator.id">
                            <div v-if="movie.operator.indexOf(operator) !==
movie.operator.length-1">
                                <div
class="styles_value__props">{{operator.name}},</div>
```

```html
              </div>
              <div v-else>
                <div
class="styles_value__props">{{operator.name}}</div>
              </div>
            </div>
          </div>
          <div class="styles_rowInformation__color
styles_rowInformation__position">
            <div class="styles_title__props">Compositor</div>
            <div v-for="compositor in movie.compositor"
:key="compositor.id">
              <div v-if="movie.compositor.indexOf(compositor) !==
movie.compositor.length-1">
                <div
class="styles_value__props">{{compositor.name}},</div>
              </div>
              <div v-else>
                <div
class="styles_value__props">{{compositor.name}}</div>
              </div>
            </div>
          </div>
          <div class="styles_rowInformation__color
styles_rowInformation__position">
            <div class="styles_title__props">Budget</div>
            <div class="styles_value__props">{{movie.budget}}
$</div>
          </div>
          <div class="styles_rowInformation__color
styles_rowInformation__position">
            <div class="styles_title__props">Box office</div>
            <div class="styles_value__props">{{ movie.box_office }}
$</div>
          </div>
          <div class="styles_rowInformation__color
styles_rowInformation__position">
            <div class="styles_title__props">Release</div>
            <div class="styles_value__props">{{movie.release.day}}
{{movie.release.month}} {{movie.release.year}}</div>
          </div>
          <div class="styles_rowInformation__color
styles_rowInformation__position">
            <div class="styles_title__props">Duration</div>
            <div
class="styles_value__props">{{movie.duration}}</div>
          </div>
        </div>
      </div>
      <div class="styles_column__el_position styles_actors__pos">
        <div class="styles_actors__pad ">
          <h3 class="styles_actors_title__margin
styles_title_info__font_style styles_title__color">
            Starring
          </h3>
          <ul class="styles_actor_list__margin">
            <li class="styles_actor__props" v-
bind:key="star.id" v-for="star in movie.starring">{{star.name}}</li>
          </ul>
        </div>
      </div>
    </div>
  </div>
</div>
```

```html
        </div>


      </div>
      <div class="styles_container__back styles_container__disp">
        <div class="styles_container__props">
          <h3 class="styles_actors_title__margin
styles_title_info__font_style styles_title__color">Synopsis</h3>
            <div class="styles_synopsis__font">
              <p>{{movie.synopsis}}</p>
            </div>
          </div>
        </div>
      <div class="styles_raiting__marg styles_container__props">
        <h3 class="styles_actors_title__margin styles_title_info__font_style
styles_rootDark__QT0qE">Raiting</h3>
        <form class="styles_form__disp " id="star_list">
          <label class="styles_radio__star_container
styles_root__star_container"  v-bind:key="index" v-for="index in 10" v-
bind:data-value=index>
            <input type="radio" class="styles_input__disp" name="star" v-
bind:value="index" v-on:click="send_mark(index)">
            <span class="styles_iconContainer__pos"
@mouseover="over_star(index)" @mouseleave="out_star()">
              <span v-if="index <= movie.rating && actual_mark === 0"
class="styles_icon__marg styles_defaultIcon__star styles_baseIcon__star
styles_filledIcon__star"></span>
              <span v-else-if="index <= actual_mark" class="styles_icon__marg
styles_defaultIcon__star styles_baseIcon__star
styles_hoveredIcon__star"></span>
              <span v-else class="styles_icon__marg styles_defaultIcon__star
styles_baseIcon__star styles_defaultIcon__star"></span>
            </span>
          </label>
        </form>
        <div v-if="user.isAuth() && movie.user_mark !== 0">Ваша оценка
{{movie.user_mark}}</div>
      </div>
      <div class="styles_raiting_container__margin styles_container__back
styles_container__disp">
        <div class="styles_container__props">
          <h3 class="styles_actors_title__margin
styles_title_info__font_style styles_title__color">Trailer</h3>
          <div class="styles_trailerContainer__margin_align">
            <iframe width="560" height="315" v-bind:src=movie.trailer
allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope;
picture-in-picture" allowfullscreen></iframe>
          </div>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
import User from "../components/user/user";
export default {
  name: "Content",
  methods: {
    send_mark(mark){
      console.log('Отправлена оценка ' + mark)
      this.movie.user_mark = mark
    },
    over_star(star_index){
```

```javascript
        this.actual_mark = star_index
    },
    out_star(){
        this.actual_mark = 0
    }
},
data() {
    return{
        user: User,
        actual_mark: 0,
        movie: {
            name: 'TENET',
            poster: 'https://images-na.ssl-images-
amazon.com/images/I/71W2aEcrxxL._AC_SL1334_.jpg',
            release: {
                day: 3,
                month: 'September',
                year: 2020
            },
            country: [
                {
                    id: 1,
                    name: 'Great Britain'
                },
                {
                    id: 2,
                    name: 'USA'
                }
            ],
            genre: [
                {
                    id: 1,
                    name: 'Fantasy'
                },
                {
                    id: 2,
                    name: 'Action'
                }
            ],
            director: [
                {
                    id: 1,
                    name: 'Christopher Nolan'
                }
            ],
            writer: [
                {
                    id: 1,
                    name: 'Christopher Nolan'
                }
            ],
            producer: [
                {
                    id: 2,
                    name: 'Ivo Felt'
                },
                {
                    id: 3,
                    name: 'Thomas Hayslip'
                },
                {
                    id: 1,
                    name: 'Christopher Nolan'
                }
```

```javascript
          ],
          operator: [
            {
              id: 4,
              name: 'Hoyte Van Hoytema'
            }
          ],
          compositor: [
            {
              id: 5,
              name: 'Ludwig Gorannson'
            }
          ],
          starring: [
            {
              id: 6,
              name: 'John David Washington'
            },
            {
              id: 7,
              name: 'Robert Pattinso'
            },
            {
              id: 8,
              name: 'Elizabeth Debicki'
            }
          ],
          budget: 205000000,
          box_office: 300000000,
          duration: '2:30:00',
          synopsis: 'Armed with only one word—Tenet—and fighting for the
survival of the entire world, the Protagonist journeys through a twilight
world of international espionage on a mission that will unfold in something
beyond real time.\n' +
              '\n' +
              'Not time travel. Inversion.',
          rating: 8.5,
          trailer: 'https://www.youtube.com/embed/L3pk_TBkihU',
          user_mark: 1
        }
      }
    }
  }
}
</script>
```

Profile.vue

```html
<template>
  <div class="styles_root__main_container">
    <div class="styles_contentContainer__main_props">
      <div class="styles_container_props">
        <div class="styles_container__props_margin">
          <div class="profileInfoWrapLeft">
            <div class="styles_avatar__user_box">
              <img v-bind:src="user.avatar" alt="">
            </div>
          </div>
          <div class="profileInfoWrapRight">
            <h2 class="styles_font__nickname">{{user.name}}</h2>
          </div>
        </div>
      </div>
    </div>
  </div>
</template>
```

```html
        <div class="styles_history_votes">
            <h2 class="styles_font__nickname">History of votes</h2>
            <div class="styles_profile_film_list">
              <div class="styles_profile_top_list">
                <div class="styles_profile_list_num">№</div>
                <div class="styles_profile_list_name">Movie</div>
                <div class="styles_profile_list_mark">User mark</div>
              </div>
              <div v-for="movie in user.movies" :key="movie.id" class="styles_item">
                <div class="styles_profile_list_num">{{user.movies.indexOf(movie)+1}}</div>
                <router-link to="/film/{movie.id}">
                  <div class="styles_profile_list_name">{{movie.name}}</div>
                </router-link>
                <div class="styles_profile_list_mark">{{movie.user_mark}}</div>
              </div>
            </div>
        </div>

    </div>
</template>

<script>
export default {
name: "Profile",
  data(){
  return{
    user: {
        name: 'user',
        avatar: '',
        movies: [
          {
            id: 1,
            name: 'TENET',
            user_mark: 9
          },
          {
            id: 2,
            name: 'Pulp fiction',
            user_mark: 2
          }
        ]
    }
    }
  }
}
</script>
```

router.js

```js
import Vue from 'vue'
import Router from 'vue-router'
import Home from '../views/Home'
import Content from "../views/Content";
import AuthReg from "../views/AuthReg";
import Profile from "../views/Profile";

Vue.use(Router)
```

```
const router = new Router({
    mode: 'history',
    routes: [
        {
            path: '/',
            name: 'Home',
            component: Home
        },
        {
            path: '/film/:url',
            name: 'Content',
            component: Content
        },
        {
            path: '/auth',
            name: 'AuthReg',
            component: AuthReg
        },
        {
            path: '/profile/:id',
            name: 'Profile',
            component: Profile
        }
    ]
})

export default router
```

App.vue

```
<template>
  <div id="app">
    <header>
      <nav class="styles_header__props styles_headerContainer__color"
style="--header-height:108px">
        <div class="styles_header__inner_props">
          <div class="styles_header_width_height">
            <div class="styles_position__logo_Header">
              <router-link class="styles_font__logo_Header" v-
bind:to="{name: 'Home'}">MovieBlog</router-link>
              <router-link v-if="!user.isAuth() &&
$router.currentRoute.path !== '/auth'" class="styles_font__signIn_Header
styles__signIn_Button" v-bind:to="{name: 'AuthReg'}">Sign In</router-link>
              <div v-else-if="user.isAuth()"
class="styles_font__signIn_Header styles__signIn_Button">
                <div class="styles_font__signIn_Header
styles__profile_logout_Button" v-on:click="user.logout()">Logout</div>
                <router-link class="styles_font__signIn_Header
styles__profile_logout_Button" to="/profile/{user.id}">Profile</router-link>
              </div>
            </div>
          </div>
        </div>
      </nav>
    </header>

    <main role="main">
      <router-view/>
    </main>

    <footer class="container styles_footer__props
styles_headerContainer__color">
```

```html
      <div class="styles_footer__font">
        <p class="float-right"><a href="#">Back to top</a></p>
        <p>&copy; 2020 BSTU. &middot; <a href="#">Privacy</a> &middot; <a
href="#">Terms</a></p>
      </div>
    </footer>
  </div>
</template>

<script>
import User from "./components/user/user";

export default {
  name: 'app',
  data(){
    return{
      user: User
    };
  }
}
</script>
```

main.js

```js
import Vue from 'vue'
import App from './App'
import router from "./router";

Vue.config.productionTip = false

new Vue({
    router,
    render: h => h(App)
}).$mount('#app')
```