

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Фронт-энд разработка

Отчет

Практическая работа 5

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Задание

В рамках данных работы необходимо изучить основные команды пакетного менеджера NPM и научиться запускать проект на Vue.

Ход работы

Установка глобально vue и vue-cli:

```
C:\Users\User>npm install -g @vue/cli
npm WARN deprecated source-map-url@0.4.1: See https://github.com/lydell/source-map-url#deprecated
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated source-map-resolve@0.5.3: see https://github.com/lydell/source-map-resolve#deprecated
npm WARN deprecated apollo-server-errors@3.3.1: The 'apollo-server-errors' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-datasource@3.3.2: The 'apollo-datasource' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-plugin-base@3.7.1: The 'apollo-server-plugin-base' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-types@3.7.1: The 'apollo-server-types' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-reporting-protobuf@3.3.3: The 'apollo-reporting-protobuf' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/usage-reporting-protobuf' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-env@4.2.1: The 'apollo-server-env' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/utils.fetcher' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-express@3.11.1: The 'apollo-server-express' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated subscriptions-transport-ws@0.11.0: The 'subscriptions-transport-ws' package is no longer maintained. We recommend you use 'graphql-ws' instead. For help migrating Apollo software to 'graphql-ws', see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws. For general help using 'graphql-ws', see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
npm WARN deprecated apollo-server-core@3.11.1: The 'apollo-server-core' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This package's functionality is now found in the '@apollo/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.

added 849 packages, and audited 850 packages in 35s

64 packages are looking for funding
  run `npm fund` for details

4 vulnerabilities (2 moderate, 2 high)

To address all issues (including breaking changes), run:
  npm audit fix --force
```

Инициализация проекта и выбор параметров установки:

```
C:\Users\User\Documents\WEB\ITMO ICT_webDevelopment_2022-2023\students\k33401\Baldina_Daria\LR_4>npm init vue@latest
Need to install the following packages:
  create-vue@3.5.0
ok to proceed? (y) y

Vue.js - The Progressive JavaScript Framework

/ Project name: ... vue-project-library
/ Add TypeScript? ... No / Yes
/ Add JSX Support? ... No / Yes
/ Add Vue Router for Single Page Application development? ... No / Yes
/ Add Pinia for state management? ... No / Yes
/ Add Vitest for Unit Testing? ... No / Yes
/ Add an End-to-End Testing Solution? » No
/ Add ESLint for code quality? ... No / Yes
/ Add Prettier for code formatting? ... No / Yes

Scaffolding project in C:\Users\User\Documents\WEB\ITMO ICT_webDevelopment_2022-2023\students\k33401\Baldina_Daria\LR_4\vue-project-library...
Done. Now run:

  cd vue-project-library
  npm install
  npm run dev
```

Переход в папку проекта и установка зависимостей:

```
C:\Users\User\Documents\WEB\ITMO_ICT_WebDevelopment_2022-2023\students\k33401\Baldina_Daria\LR_4>cd vue-project-library
C:\Users\User\Documents\WEB\ITMO_ICT_WebDevelopment_2022-2023\students\k33401\Baldina_Daria\LR_4\vue-project-library>npm install
npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead
added 145 packages, and audited 146 packages in 11s
33 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
```

Изменения в файле package.json:

```
{ } package.json U •
vue-project-library > { } package.json > { } scripts > lint
1  {
2    "name": "vue-project-library",
3    "version": "0.0.0",
4    "private": true,
5    "scripts": {
6      "start": "vite --port 8080",
7      "dev": "vite",
8      "build": "vite build",
9      "preview": "vite preview",
10     "lint": "eslint . --ext .vue,.js,.jsx,.cjs,.mjs --fix --ignore-path .gitignore"
11   },
12   "dependencies": {
13     "pinia": "^2.0.28",
14     "vue": "^3.2.45",
15     "vue-router": "^4.1.6"
16   },
17   "devDependencies": {
18     "@vitejs/plugin-vue": "^4.0.0",
19     "eslint": "^8.22.0",
20     "eslint-plugin-vue": "^9.3.0",
21     "vite": "^4.0.0"
22   }
23 }
```

Запуск проекта с помощью команды npm start:

```
VITE v4.0.2  ready in 1112 ms
→ Local:   http://localhost:8080/
→ Network: use --host to expose
→ press h to show help
```



You did it!

You've successfully created a project with
Vite + Vue 3.

[Home](#) | [About](#)



Documentation

Vue's [official documentation](#) provides you with all information you need to get started.



Tooling

This project is served and bundled with [Vite](#). The recommended IDE setup is [VSCode](#) + [Volar](#). If you need to test your components and web pages, check out [Cypress](#) and [Cypress Component Testing](#). More instructions are available in [README.md](#).



Ecosystem

Get official tools and libraries for your project: [Pinia](#), [Vue Router](#), [Vue Test Utils](#), and [Vue Dev Tools](#). If you need more resources, we suggest paying [Awesome Vue](#) a visit.



Community

Got stuck? Ask your question on [Vue Land](#), our official Discord server, or [StackOverflow](#). You should also subscribe to [our mailing list](#) and follow the official [@vuejs](#) twitter account for latest news in the Vue world.



Support Vue

As an independent project, Vue relies on community backing for its sustainability. You can help us by [becoming a sponsor](#).

Вывод: в ходе выполнения данной домашней работы я познакомилась с основными командами пакетного менеджера npm, установила vue и vue-cli, а также научилась запускать проект на Vue.