

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ  
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

**Дисциплина:** Фронт-энд разработка

Отчет

Домашняя работа 5: Изучение основ работы с менеджером  
зависимостей npm

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## Задача

Необходимо изучить основные команды пакетного менеджера NPM и научиться стартовать проект на Vue.

## Ход работы

### Установка vue и vue-cli

```
$ npm install -g @vue/cli
npm WARN deprecated source-map-url@0.4.1: See https://github.com/lydell/source-map-url#depre
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated apollo-datasource@3.3.2: The `apollo-datasource` package is part of Apollo
  October 22nd 2023). See https://www.apollographql.com/docs/apollo-server/previous-versions/
npm WARN deprecated apollo-server-errors@3.3.1: The `apollo-server-errors` package is part of
  f-life October 22nd 2023). This package's functionality is now found in the `@apollo/server`
  rver/previous-versions/ for more details.
npm WARN deprecated source-map-resolve@0.5.3: See https://github.com/lydell/source-map-resol
npm WARN deprecated apollo-server-plugin-base@3.7.1: The `apollo-server-plugin-base` package
  ted (end-of-life October 22nd 2023). This package's functionality is now found in the `@apol
  /apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-types@3.7.1: The `apollo-server-types` package is part of
  life October 22nd 2023). This package's functionality is now found in the `@apollo/server` p
  er/previous-versions/ for more details.
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated apollo-server-express@3.11.1: The `apollo-server-express` package is par
  d-of-life October 22nd 2023). This package's functionality is now found in the `@apollo/serv
  -server/previous-versions/ for more details.
npm WARN deprecated apollo-reporting-protobuf@3.3.3: The `apollo-reporting-protobuf` package
  ted (end-of-life October 22nd 2023). This package's functionality is now found in the `@apol
  lographql.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 Apo
  October 22nd 2023). This package's functionality is now found in the `@apollo/utils.fetcher
  erver/previous-versions/ for more details.
npm WARN deprecated subscriptions-transport-ws@0.11.0: The `subscriptions-transport-ws` pack
  -ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollograp
  rom-subscriptions-transport-ws For general help using `graphql-ws`, see https://github.co
npm WARN deprecated apollo-server-core@3.11.1: The `apollo-server-core` package is part of A
  pollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023). This packa
  ge's functionality is now found in the `@apollo/server` package. See https://www.apollograph
  ql.com/docs/apollo-server/previous-versions/ for more details.

changed 849 packages, and audited 850 packages in 2m
```

### Инициализация проекта и выбор параметров установки

```
$ npm init vue@latest

Vue.js - The Progressive JavaScript Framework

✓ Project name: ... vue-project
✓ 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
```

## Установка зависимостей

```
$ npm install
npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead

added 145 packages, and audited 146 packages in 15s

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

found 0 vulnerabilities
```

## Изменения в файле package.json

```
{ package.json > ...
1  {
2    "name": "vue-project",
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     "axios": "^1.2.1",
14     "bootstrap": "^5.2.3",
15     "pinia": "^2.0.28",
16     "pinia-persists": "^1.2.0",
17     "vue": "^3.2.45",
18     "vue-router": "^4.1.6"
19   },
20   "devDependencies": {
21     "@vitejs/plugin-vue": "^4.0.0",
22     "eslint": "^8.22.0",
23     "eslint-plugin-vue": "^9.3.0",
24     "vite": "^4.0.0"
25   }
26 }
```

## Запуск проекта

```
VITE v4.0.2 ready in 1560 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 лабораторной работы я изучила основные команды npm и создала проект на Vue.