

**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;

```
nurgunpopov@MacBook-Pro-Nurgun ~ % sudo npm install -g @vue/cli
Password:
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-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-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-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/usage-reporting-protobuf` 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-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 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.
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.

added 853 packages in 3m

64 packages are looking for funding
  run `npm fund` for details
nurgunpopov@MacBook-Pro-Nurgun ~ %
```

Рисунок 1: Команда – `sudo npm install -g @vue/cli`.

- Инициализация проекта;

```
nurgunpopov@MacBook-Pro-Nurgun ~ % 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
✔ 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 /Users/nurgunpopov/vue-project...

Done. Now run:

  cd vue-project
  npm install
  npm run dev

nurgunpopov@MacBook-Pro-Nurgun ~ %
```

Рисунок 2: Команда – npm init vue@latest.

- Установка зависимостей;

```
nurgunpopov@MacBook-Pro-Nurgun vue-project % sudo npm install
[Password:
npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead

added 146 packages, and audited 147 packages in 1m

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

found 0 vulnerabilities
nurgunpopov@MacBook-Pro-Nurgun vue-project %
```

Рисунок 3: Команда – sudo npm install.

- Изменения в файле package.json в секции scripts.

```
{ } package.json > ...
1   {
2     "name": "vue-project",
3     "version": "0.0.0",
4     "private": true,
5     > Отладка
6     "scripts": {
7       "start": "vite --port 8080",
8       "dev": "vite",
9       "build": "vite build",
10      "preview": "vite preview",
11      "lint": "eslint . --ext .vue,.js,.jsx,.cjs,.mjs --fix --ignore-path .gitignore"
12    },
13    "dependencies": {
14      "pinia": "^2.0.28",
15      "vue": "^3.2.45",
16      "vue-router": "^4.1.6"
17    },
18    "devDependencies": {
19      "@vitejs/plugin-vue": "^4.0.0",
20      "eslint": "^8.22.0",
21      "eslint-plugin-vue": "^9.3.0",
22      "vite": "^4.0.0"
23    }
24  }
```

Рисунок 4: package.json.

- Запуск проекта;

```
[nurgunpopov@MacBook-Pro-Nurgun vue-project % sudo npm start

[Password:

> vue-project@0.0.0 start
> vite --port 8080

VITE v4.1.1 ready in 568 ms

→ Local:   http://localhost:8080/
→ Network: use --host to expose
→ press h to show help
```

Рисунок 5: Команда – sudo npm start.

- Браузер.

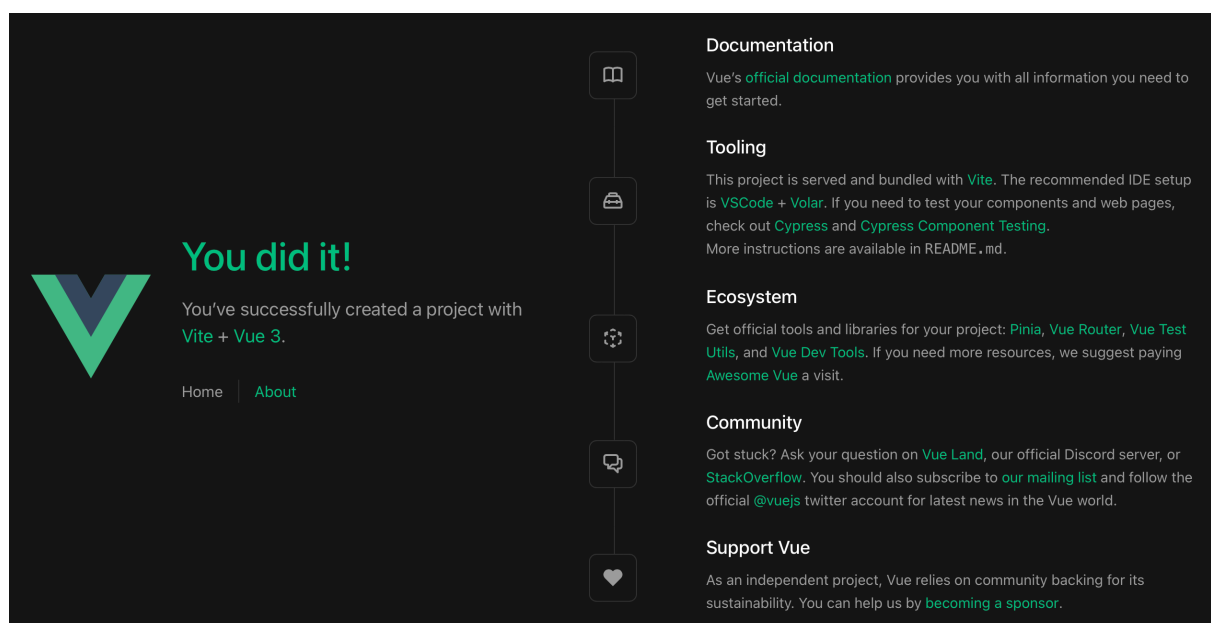


Рисунок 6: localhost:8080.

Вывод

В результате выполненной работы: были изучены основные команды npm, был освоен запуск проекта на Vue.