

САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО

Дисциплина: Фронт-энд разработка Отчет

Домашняя работа №5

Выполнил:

Казанков Илья

К33402

Проверил:

Добряков Д. И.

Санкт-Петербург

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Задача

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

Ход работы

Установили node.js и npm.

Так как у меня уже были установлены, проверяем их командами:

node --version

npm version

```
● PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> node --version
v20.11.1
● PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> npm version
{
  npm: '10.5.0',
  node: '20.11.1',
  acorn: '8.11.2',
  ada: '2.7.4',
  ares: '1.20.1',
  base64: '0.5.1',
  brotli: '1.0.9',
  cjs_module_lexer: '1.2.2',
  cldr: '43.1',
  icu: '73.2',
  llhttp: '8.1.1',
  modules: '115',
  napi: '9',
  nghttp2: '1.58.0',
  nghttp3: '0.7.0',
  ngtcp2: '0.8.1',
  openssl: '3.0.13+quic',
  simdutf: '4.0.4',
  tz: '2023c',
  undici: '5.28.3',
  unicode: '15.0',
  uv: '1.46.0',
  uvwasi: '0.0.19',
  v8: '11.3.244.8-node.17',
  zlib: '1.2.13.1-motley-5daffc7'
}
● PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> 
```

Далее установим vue глобально:

```
npm install -g @vue/cli
```

```
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> npm install -g @vue/cli
npm WARN deprecated @babel/plugin-proposal-class-properties@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-cla
npm WARN deprecated @babel/plugin-proposal-nullish-coalescing-operator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-tr
npm WARN deprecated source-map-url@0.4.1: See https://github.com/lydell/source-map-url#deprecated
npm WARN deprecated url@0.11.0: Please see https://github.com/lydell/url#deprecated
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 and October 22nd 2024, respectively). See
on more details.
npm WARN deprecated @babel/plugin-proposal-optional-chaining@7.21.0: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-ope
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 and October 22nd 2024, respectivel
ackage. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-plugin-base@3.7.2: The 'apollo-server-plugin-base' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, r
/server' package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
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-types@3.8.0: The 'apollo-server-types' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively)
kage. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated shortid@2.2.16: Package no longer supported. Contact Support at https://www.npmjs.com/support for more info.
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 and October 22nd 2024, respectively). Th
package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-reporting-protobuf@3.4.0: The 'apollo-reporting-protobuf' package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, r
/usage-reporting-protobuf' 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 'graphq
options/#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 vue@2.7.16: Vue 2 has reached EOL and is no longer actively maintained. See https://v2.vuejs.org/eol/ for more details.

added 859 packages in 49s

74 packages are looking for funding
  run `npm fund` for details
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo>
```

Инициализируем наш
проект: `npm init vue@latest`

```
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> npm init vue@latest

Vue.js - The Progressive JavaScript Framework

✔ Project name: ... lab5
✔ 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
✔ Add Vue DevTools extension for debugging? (experimental) ... No / Yes

Scaffolding project in C:\Users\ikaza\OneDrive\Рабочий стол\itmo\lab5...

Done. Now run:

  cd lab5
  npm install
  npm run dev

PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo>
```

Установим зависимости:

```
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> npm install

removed 1080 packages, and audited 257 packages in 4s

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

found 0 vulnerabilities
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo> 
```

Установим vite:

npm install vite -g

```
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo\lab5> npm install vite -g

added 10 packages in 10s

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

Запускаем командой npm start:

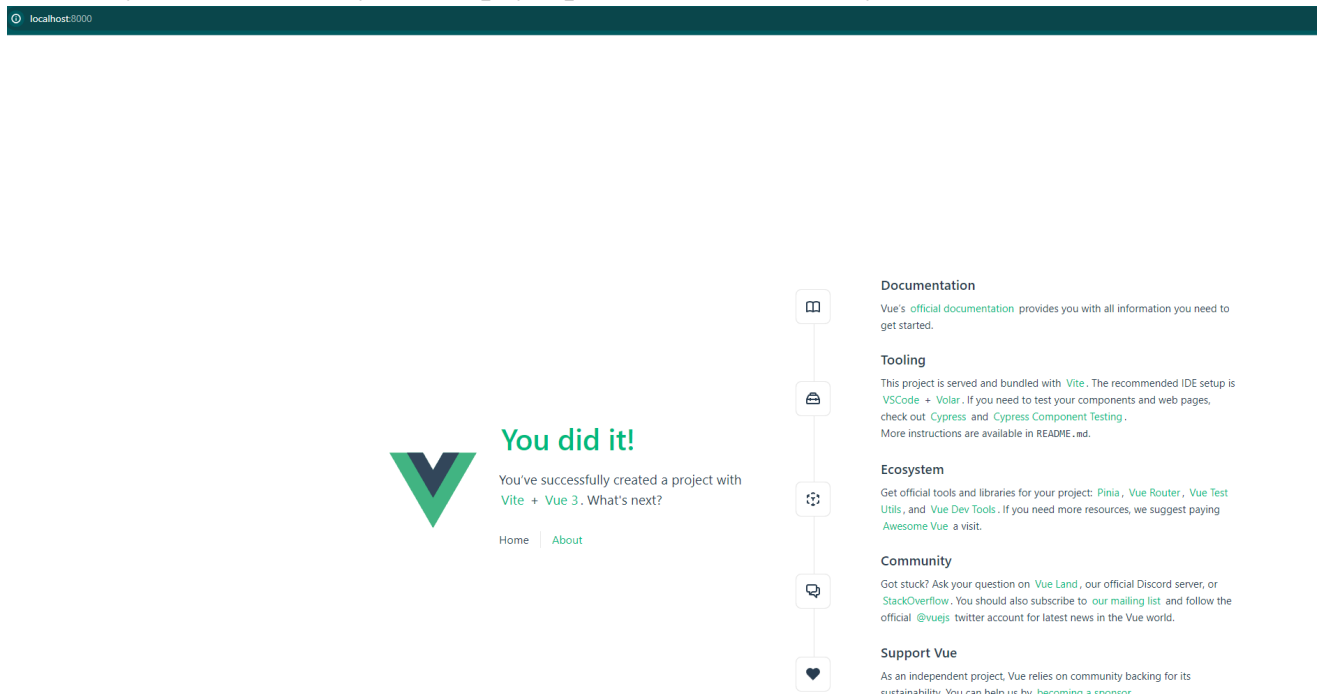
```
PS C:\Users\ikaza\OneDrive\Рабочий стол\itmo\lab5> npm start

> lab5@0.0.0 start
> vite --port 8000

VITE v5.1.6 ready in 597 ms

  → Local:   http://localhost:8000/
  → Network: use --host to expose
  → press h + enter to show help
```

После успешного запуска в браузере появляется следующее.



Вывод

В процессе выполнения этой домашней работы были успешно установлены Node.js и npm, а также запущен проект на фреймворке Vue.