

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ  
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

**Дисциплина:** Фронт-энд разработка

Отчет

Домашняя работа 5: Изучение основ работы с  
менеджером зависимостей npm

Выполнил:

Конев Антон

K33402

Проверил:

Добряков Д. И.

Санкт-Петербург

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## Задание

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

## Ход работы

### Установка глобально vue и vue-cli

```
Ant@DESKTOP-IHN4C0U MINGW64 ~/WebstormProjects/hw_5
$ 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 apollo-datasource@3.3.2: The 'apollo-datasource' package is part of Apollo Server v2 and v3, which are now deprecated. Please see https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
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. Please see https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated source-map-resolve@0.5.3: See https://github.com/lydell/source-map-resolve#deprecated
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. Please 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. Please 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 apollo-server-express@3.11.1: The 'apollo-server-express' package is part of Apollo Server v2 and v3, which are now deprecated. Please 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. Please 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. Please 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 using graphql-ws instead. 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. Please see https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.

added 849 packages, and audited 850 packages in 12s

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

Run `npm audit` for details.
```

## Инициализация проекта и выбор параметров установки

```
PS C:\Users\Ant\WebstormProjects\vue_init> 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 C:\Users\Ant\WebstormProjects\vue_init\vue-project...

Done. Now run:

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

## Переход в папку проекта

```
PS C:\Users\Ant\WebstormProjects\vue_init> cd .\vue-project\
PS C:\Users\Ant\WebstormProjects\vue_init\vue-project> █
```

## Установка зависимостей

```
PS C:\Users\Ant\WebstormProjects\vue_init\vue-project> npm install
npm WARN deprecated source-map-codec@1.4.8: Please use @jridgewell/source-map-codec instead

added 145 packages, and audited 146 packages in 14s

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

found 0 vulnerabilities
PS C:\Users\Ant\WebstormProjects\vue_init\vue-project> |
```

## Изменения в файле package.json

```
{
  "name": "vue-project",
  "version": "0.0.0",
  "private": true,
  "scripts": {
    "start": "vite --port 8080",
    "dev": "vite",
    "build": "vite build",
    "preview": "vite preview",
    "lint": "eslint . --ext .vue,.js,.jsx,.cjs,.mjs --fix --ignore-path .gitignore"
  },
  "dependencies": {
    "pinia": "^2.0.28",
    "vue": "^3.2.45",
    "vue-router": "^4.1.6"
  },
  "devDependencies": {
    "@vitejs/plugin-vue": "^4.0.0",
    "eslint": "^8.22.0",
    "eslint-plugin-vue": "^9.3.0",
    "vite": "^4.0.1"
  }
}
```

## Запуск проекта

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

VITE v4.0.1 ready in 299 ms

➔ Local:   http://127.0.0.1:8080/
➔ 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

По результатам домашней работы я создал проект на Vue и ознакомился с основными командами npm.