

**МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ**

**ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«КАЛУЖСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ
им. К. Э. ЦИОЛКОВСКОГО»**

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О Т Ч Е Т

ПО ЛАБОРАТОРНОЙ РАБОТЕ № 1

ДИСЦИПЛИНА: "Прикладное программирование"

Выполнил: студент гр. Б-ИСиТ-41

Артемьев Б.О. _____

Проверил:

Винокуров А.В. _____

Дата сдачи (защиты) лабораторной работы:

Результаты сдачи (защиты):

Количество рейтинговых баллов

Оценка

Калуга, 2021 г.

Цель: формирование практических навыков создания проекта на React.js

Задачи: Установить необходимое ПО для работы с JavaScript (Node.js, любая IDE). Создать проект на React.js, используя Terminal IDE.

Задание

1. Найти и установить Node.js.
2. Установить VS Code (желательно VS Code) или использовать другую любую IDE уже установленную.
3. Создать новый проект на React.js, используя консоль (Terminal).

Инструкцию по созданию проекта можно найти на официальном сайте React.js в разделе “Create New React App”. (<https://ru.reactjs.org/docs/create-a-new-react-app.html>)

```
Windows PowerShell
PS D:\Документы\work\Апрельес60> npx create-react-app my-app
npx: установлен 67 в 4.655s

Creating a new React app in D:\Документы\work\Апрельес60\my-app.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

> core-js@2.6.12 postinstall D:\Документы\work\Апрельес60\my-app\node_modules\babel-runtime\node_modules\core-js
> node -e "try(require('./postinstall'))catch(e){}"

> core-js@3.10.0 postinstall D:\Документы\work\Апрельес60\my-app\node_modules\core-js
> node -e "try(require('./postinstall'))catch(e){}"

> core-js-pure@3.10.0 postinstall D:\Документы\work\Апрельес60\my-app\node_modules\core-js-pure
> node -e "try(require('./postinstall'))catch(e){}"

> ejs@2.7.4 postinstall D:\Документы\work\Апрельес60\my-app\node_modules\ejs
> node ./postinstall.js

+ cra-template@1.1.2
+ react-scripts@4.0.3
+ react@17.0.2
+ react-dom@17.0.2
added 1923 packages from 732 contributors and audited 1926 packages in 146.366s

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

found 0 vulnerabilities

Initialized a git repository.

Installing template dependencies using npm...
npm WARN @babel/plugin-bugfix-v8-spread-parameters-in-optional-chaining@7.13.12 requires a peer of @babel/core@^7.13.0 but none is installed. You must install peer dependencies yourself.
npm WARN @babel/core@7.14.0 requires a peer of typescript@>2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
```

```
+ web-vitals@1.1.1
+ @testing-library/user-event@12.8.3
+ @testing-library/jest-dom@5.11.10
+ @testing-library/react@11.2.6
added 29 packages from 78 contributors and audited 1955 packages in 14.759s

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

found 0 vulnerabilities

Removing template package using npm...

npm WARN @babel/plugin-bugfix-v8-spread-parameters-in-optional-chaining@7.13.12 requires a peer of @babel/core@^7.13.0 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.21.0 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules/watchpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules/webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

removed 1 package and audited 1954 packages in 8.786s

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

found 0 vulnerabilities

Created git commit.

Success! Created my-app at D:\Vseymu\work\АртёмьевЕВ\my-app
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:
```

```
We suggest that you begin by typing:

cd my-app
npm start

Happy hacking!
PS D:\Документы\work\АртёмьевЕВ>
```

Рисунок 1- «Создание проекта на React.JS»

```
npm start
  Starts the development server.
Compiled successfully!

You can now view my-app in the browser.

Local:      http://localhost:3001
On Your Network:  http://10.7.3.78:3001

Note that the development build is not optimized.
To create a production build, use npm run build.
```

Рисунок 2 - «Запуск проекта на React.JS»



Edit `src/App.js` and save to reload.

[Learn React](#)

Рисунок 3 - «Готовый проект в браузере»