

[NAMA MODUL]

Pathway	:	
Sub Pathway	:	
Kompetensi	:	
Key Element	:	
Level	:	
Developer	:	
Approval	:	1. Mgr Learning Development 2. SM School of Dig Platform & Service

} Sesuai
Dirkom-10

Nama/ NIK/
Bidang
Atau Nama
Vendor

Modul Pembelajaran	:	React Introduction
Deskripsi Modul	:	<i>Create-react-app</i> adalah command yang sering digunakan untuk membikin proyek React secara otomatis dan cepat. Tetapi, ada beberapa persyaratan yang harus dilakukan sebelum mulai.
Enabling Learning Objective	:	Memahami tentang React sebagai salah satu tool untuk web development
Daftar Topik	:	1. Requirements 2. Installation
Searching Keyword	:	<ol style="list-style-type: none"> 1. ReactJS 2. Node.js 3. Command-line interface, CLI 4. NPM 5. npx create-react-app 6. Happy Hacking!

REACTJS

`create-react-app`

Calvin Susanto Putra

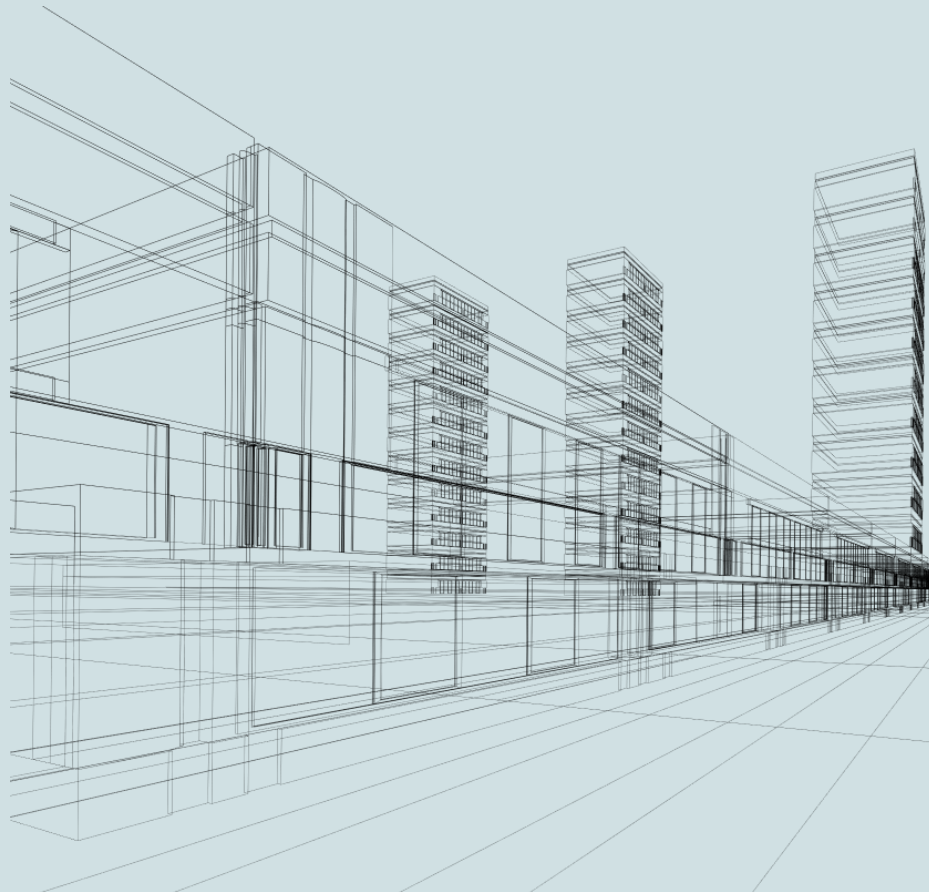
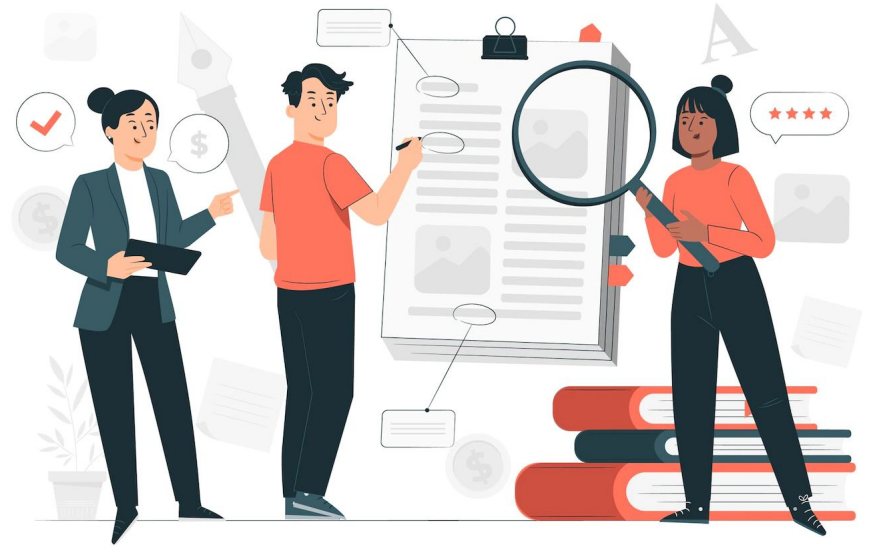


Table of Contents

- a. Requirements
- b. Installation

Requirements

- Node.js and Node CLI
- NPM, Yarn, or other package managers
- Git version-control system



Installation

- For installation, please ensure that Node.js and React is installed on your computer
- Users can check if it has been installed using the following commands:

```
C:\Users\lenovo> node --version  
v16.14.2  
  
C:\Users\lenovo> npm view react version  
18.2.0
```

- If React is uninstalled, follow the steps in the next slide

Installation

- To install React, simply run the “npm install” command in a Node.js terminal
- This will ensure that any React project can be sourced and configured automatically

```
C:\Users\lenovo> npm install react
changed 1 package, and audited 319 packages in 11s
31 packages are looking for funding
  run `npm fund` for details
1 high severity vulnerability
To address all issues, run:
  npm audit fix
Run `npm audit` for details.
```

Installation

- However, users must also make sure to install the “create-react-app” command library

```
C:\Users\lenovo> npm install create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please
upgrade asap.

added 63 packages, and audited 382 packages in 25s

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

4 high severity vulnerabilities

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
```

- .This command serves as a trigger for NPM to create a React application instantly

Installation

- However, users must also make sure to install the “create-react-app” command library

```
C:\Users\lenovo> npm install create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please
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  run `npm fund` for details

4 high severity vulnerabilities

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
```

- .This command serves as a trigger for NPM to create a React application instantly

Installation

- Users can now run the create-react-app command in the terminal

```
C:\Users\lenovo\Desktop> npx create-react-app my-app
```

- Ensure that the selected directory is accessible by Git and Microsoft Visual Studio Code

Installation

- A successful React project in the Node.js terminal:

```
Success! Created my-app at C:\Users\lenovo\Desktop\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:

  cd my-app
  npm start

Happy hacking!
```

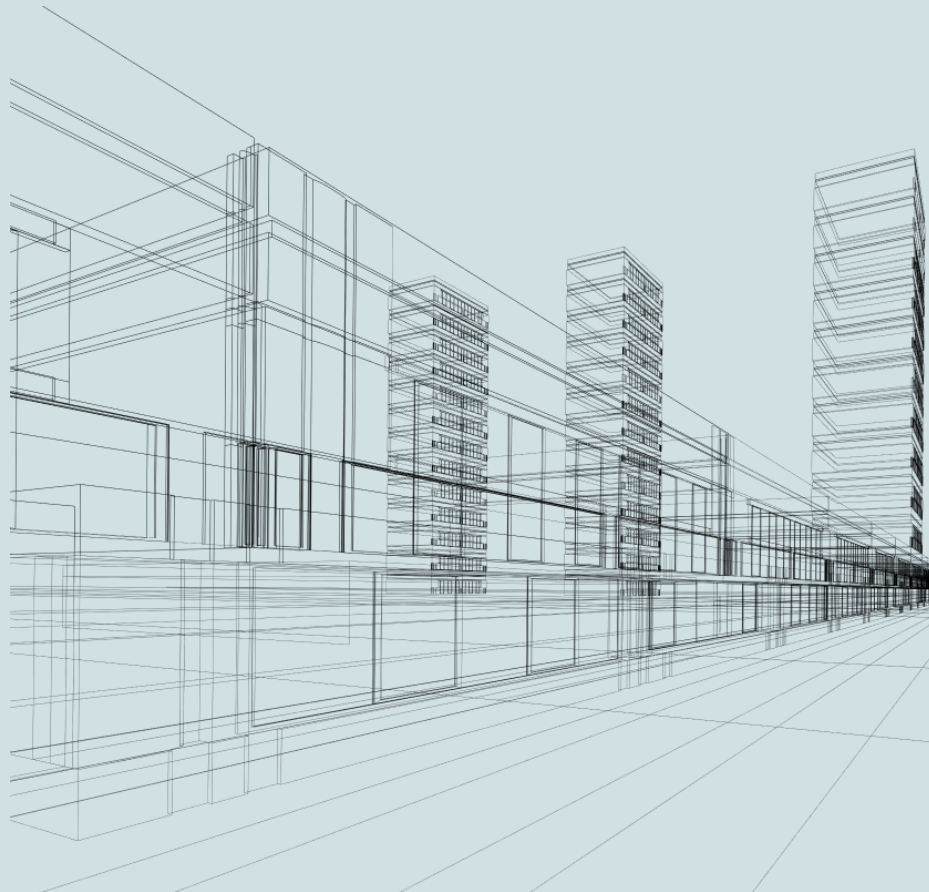
References

- <https://reactjs.org/docs/create-a-new-react-app.html>
- <https://create-react-app.dev/>
- <https://create-react-app.dev/docs/getting-started/>

REACTJS

create-react-app

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Kelengkapan Modul

- Pre & Post Test (minimal 10 soal, pilihan ganda a-d)
- Pre Reading
- Teaching Notes
- Referensi

Assessment – [Pre & Post Test]

Pre-Reading



ReactJS is a Javascript library for building user interfaces. This PDF ebook is a portable offline reference guide for the community, can be printed or synced with your kindle for a better reading experience. It's based on ReactJS version v.16.13.1

This is an excellent reference format for ReactJS beginners, is not a tutorial just the official documentation for your reference

TEACHING NOTES*



Lesson/Topics



Case Study



Clips



Games



Others :

OBJECTIVES

Memahami tentang instalasi dengan create-react-app

PERSIAPAN

*Offline: Laptop
Online: Link Zoom*

OVERVIEW

Create-react-app adalah command yang sering digunakan untuk membikin proyek React secara otomatis dan cepat. Tetapi, ada beberapa persyaratan yang harus dilakukan sebelum mulai.

DIRECTION

- Menjelaskan kebutuhan nya terkait tools untuk memkin React project
- Mengasih demonstrasi bagaimana bisa instalasi create-react-app
- Mengatur dan mengelola arah dan jalan-nya diskusi;
- Memberikan contoh-contoh, kasus dan ilustrasi;
- Memberikan apresiasi dalam tanya jawab;
- Memberikan debrief atau insight/pesan dari kegiatan;
- Memberikan dan menyampaikan kesimpulan dan di tiap sesi atau di akhir sesi

PERALATAN YANG DIBUTUHAN

*Offline : Laptop
Online: Link Zoom*

**Catatan : jumlah halaman teaching Note dapat ditambah seauai kebutuhan*

DIRECTION		
Section (slide/clip/case/etc)	Activities (Hal apa yang akan dilakukan untuk setiap section-nya)	Description (hal-hal spesifik yang harus dilakukan, misal : penjelasan dan atau penekanan materi, pengelolaan arah dan jalannya diskusi, wrap up/insight atau debrief, etc)
5	Presentasi, Diskusi	Menjelaskan tentang gambaran umum tentang bug, error, dan penanganannya
6-9	Presentasi, Diskusi, Case Study	Menjelaskan tentang sintaks "try...catch"
10-12	Presentasi, Diskusi, Case Study	Menjelaskan tentang Error Object
13	Presentasi, Diskusi, Case Study	Menjelaskan tentang Optional "catch" binding
14-18	Presentasi, Diskusi, Case Study	Menjelaskan tentang penggunaan "try...catch"
19-24	Presentasi, Diskusi, Case Study	Menjelaskan tentang melempar error
25-30	Presentasi, Diskusi, Case Study	Menjelaskan tentang melempar kembali error
31-35	Presentasi, Diskusi, Case Study	Menjelaskan tentang "try...catch...finally"
35-40	Presentasi, Diskusi, Case Study	Menjelaskan tentang global catch