

# Web Studio 2019

## 10. ant.design

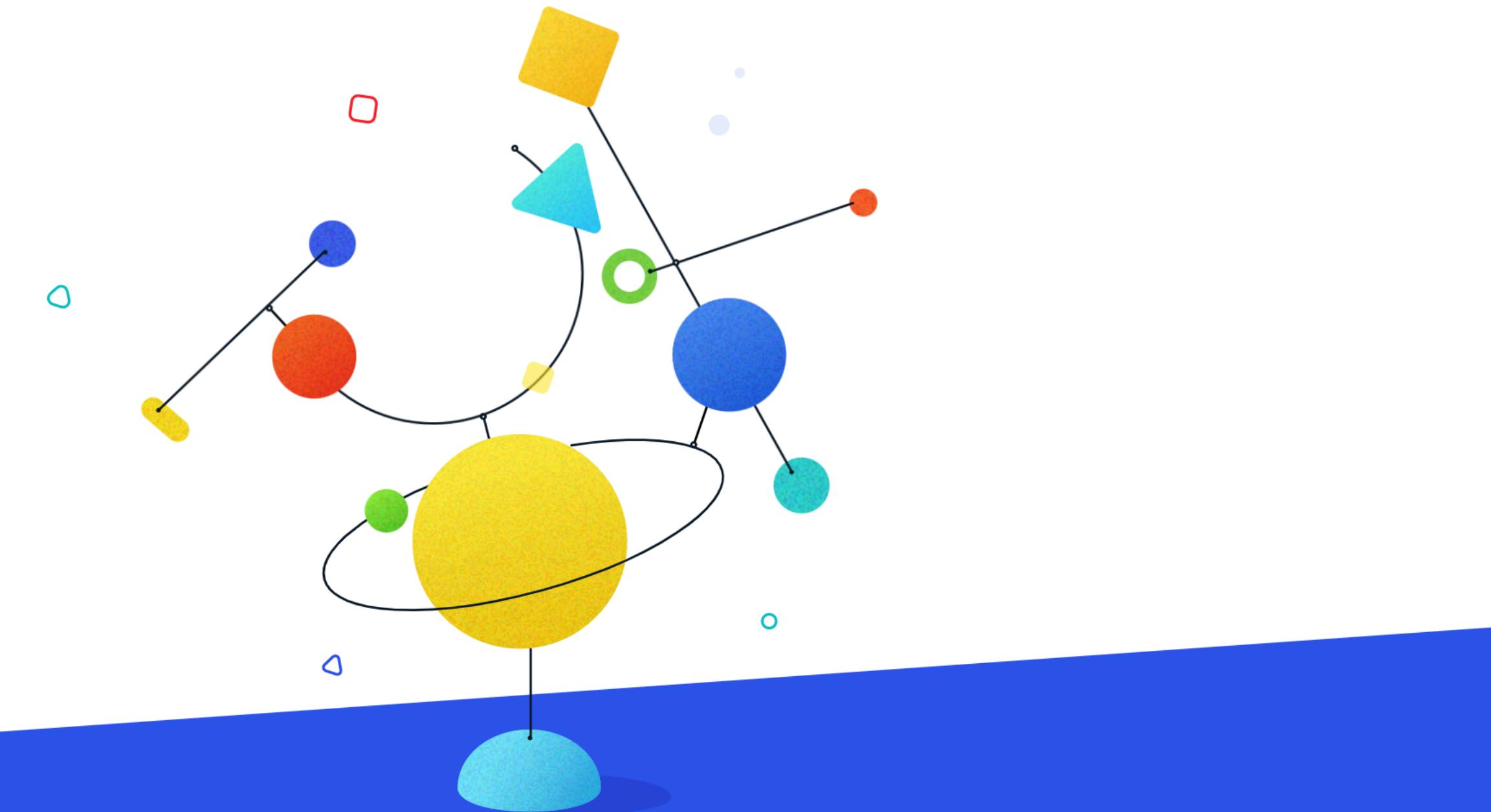
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# Ant Design

A design system with values of Nature and Determinacy for better user experience of enterprise applications

[Getting Started](#)[Design Language](#)[!\[\]\(4fe57c3593bf1b21d272ae7ac8dfaf77\_img.jpg\) Star](#) 46071

## Design Language

# Ant design

## React UI Components

1. 예제 코드 잘 나와있음
2. 필요로 하는 Component를 import해서 쓰기만 하면 됨
3. 예쁨

Primary   Default   Dashed   Danger

Type ↴  
There are `primary` button, `default` button, `dashed` button and `danger` button in antd.

`<Icon type="copy" />` `<Icon type="link" />` `<Icon type="file" />` `</>`

```
import { Button } from 'antd';

ReactDOM.render(
  <div>
    <Button type="primary">Primary</Button>
    <Button>Default</Button>
    <Button type="dashed">Dashed</Button>
    <Button type="danger">Danger</Button>
  </div>,
  mountNode
);
```

开  0   
Text & icon ↴  
With text and icon.

`<Icon type="copy" />` `<Icon type="link" />` `<Icon type="file" />` `</>`

```
import { Switch, Icon } from 'antd';

ReactDOM.render(
  <div>
    <Switch checkedChildren="开" unCheckedChildren="0" />
    <br />
    <Switch checkedChildren="1" unCheckedChildren="0" />
    <br />
    <Switch checkedChildren={<Icon type="check" />} unCheckedChildren={<Icon type="close" />} />
  </div>,
  mountNode
);
```



Europe Street beat  
www.instagram.com

Customized content ↴  
You can use `Card.Meta` to support more flexible content.

`<Icon type="copy" />` `<Icon type="link" />` `<Icon type="file" />` `</>`

```
import { Card } from 'antd';

const { Meta } = Card;
```

2019 ▾ Apr ▾ Month Year

Su	Mo	Tu	We	Th	Fr	Sa
31	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	01	02	03	04
05	06	07	08	09	10	11

Card ↴  
Nested inside a container element for rendering in limited space.

`<Icon type="copy" />` `<Icon type="link" />` `<Icon type="file" />` `</>`

```
import { Calendar } from 'antd';
```

# Ant design

## Install 및 적용하기

1. Node v10.13.0 이 설치되어 있다고 가정 (설치해주세요!)
2. npx create-react-app mytestapp (앱 이름은 마음대로)
3. 설치되면 cd mytestapp 으로 이동해서 npm run start 로 실행해보세요

```
sisobus-ui-MacBook-Pro:10_antd sisobus$ cd source/  
sisobus-ui-MacBook-Pro:source sisobus$ ls  
sisobus-ui-MacBook-Pro:source sisobus$ npx create-react-app mytestapp
```

```
Creating a new React app in /Users/sisobus/coding/WebStudio2019/10_
```

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

```
Success! Created mytestapp at /Users/sisobus/coding/WebStudio2019/10_antd/source/mytestapp  
Inside that directory, you can run several commands:
```

```
yarn start  
Starts the development server.
```

```
yarn build  
Bundles the app into static files for production.
```

```
yarn test  
Starts the test runner.
```

```
yarn 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 mytestapp  
yarn start
```

# Ant design

## Install 및 적용하기

1. ctrl+c로 끈 다음에 ant-design 라이브러리를 설치해봅시다
2. npm install antd 로 설치하세요 (mytestapp 디렉토리 안에서)

```
sisobus-ui-MacBook-Pro:mytestapp sisobus$ npm install antd
npm WARN deprecated ant-design-palettes@1.1.3: Please use @ant-design/color instead.
npm WARN deprecated core-js@1.2.7: core-js@<2.6.5 is no longer maintained.
on of core-js@2.
((...)) "loadExtraneous: sill resolveWithNewModule ip-regex@
```

•  
•  
•

```
npm WARN tsutils@3.10.0 requires a peer of typescript@>=2.8.0 |
  You must install peer dependencies yourself.
npm WARN ts-pnp@1.1.2 requires a peer of typescript@* but none

+ antd@3.17.0
added 343 packages from 329 contributors, removed 210 packages,
in 137.002s
found 0 vulnerabilities
```

# Ant design

## Install 및 적용하기

1. src/App.js에서 필요없는 부분을 지우고, <https://ant.design/components/button/>에서 예제코드를 복붙해봄

The screenshot shows the 'Examples' section for the 'Button' component. It displays five button types: Primary (blue), Default (light gray), Dashed (dotted border), Danger (red), and Link (light blue). Below the buttons, there's a description of their types and an example code snippet:

```
import { Button } from 'antd';

ReactDOM.render(
  <div>
    <Button type="primary">Primary</Button>
    <Button>Default</Button>
    <Button type="dashed">Dashed</Button>
    <Button type="danger">Danger</Button>
    <Button type="link">Link</Button>
  </div>,
  mountNode
);
```

The screenshot shows a code editor with the 'App.js' file open. The file contains the following code, which has been modified to remove unnecessary parts:

```
import React from 'react';
import { Button } from 'antd';
import './App.css';

function App() {
  return (
    <div className="App">
      <Button type="primary">Primary</Button>
      <Button>Default</Button>
      <Button type="dashed">Dashed</Button>
      <Button type="danger">Danger</Button>
      <Button type="link">Link</Button>
    </div>
  );
}

export default App;
```

The code editor also shows the project structure in the 'EXPLORER' panel, including files like '0\_introduction', '1\_git', and '10\_antd'. The browser preview at the bottom shows the rendered buttons.

롸?????????????

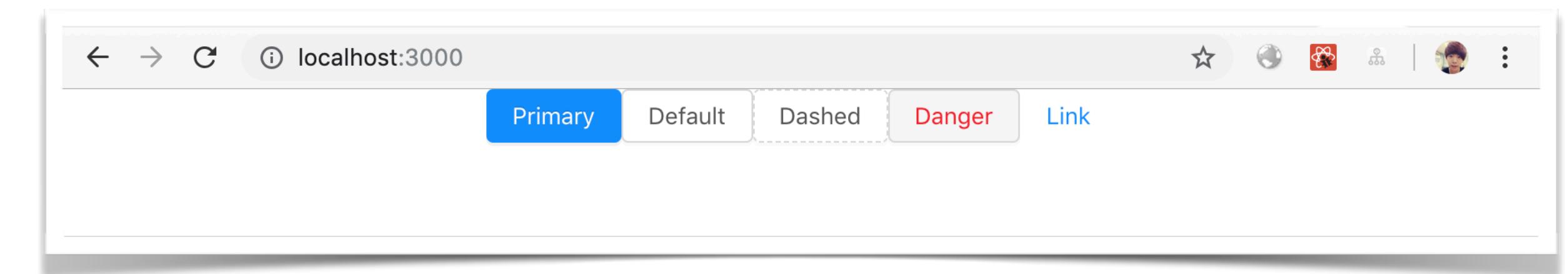
# Ant design

## Install 및 적용하기

1. antd css를 적용해야함
2. src/App.css에 @import ‘~antd/dist/antd.css’; 한줄을 제일 위에 추가해줌
3. 예뻐진 버튼을 누린다.



```
JS App.js      F App.css x
1 @import '~antd/dist/antd.css';
2
3 .App {
4   text-align: center;
5 }
6
7 .App-logo {
8   animation: App-logo-spin infinite 20s linear;
9   height: 40vmin;
```



# Component 조립하기

예쁜 vertical menu를 만들어보자

1. src/Sider.js 코드를 하나 작성하자
2. src/App.js에서 import해서 쓰자, App.css로 레이아웃 수정해주자

```
App.css
1 @import '~antd/dist/antd.css';
2 #root {
3   width: 100%;
4   height: 100%;
5 }
6 .App {
7   width: 100%;
8   height: 100%;
9   display: flex;
10 }
11 .sider {
12   width: 256px;
13   height: 100%;
14 }
15 .main-container {
16   flex: 1;
17 }
```

The screenshot shows a code editor with three tabs: `Sider.js`, `App.js`, and `App.css`.

**Sider.js:**

```
JS Sider.js
1 import React from 'react'
2 import { Menu, Icon } from 'antd';
3
4 const SubMenu = Menu.SubMenu;
5 const MenuItemGroup = Menu.ItemGroup;
6
7 class Sider extends React.Component {
8   handleClick = (e) => {
9     console.log('click ', e);
10  }
11
12  render() {
13    ...
14  }
15}
16
17 export default Sider
```

**App.js:**

```
JS App.js
1 import React from 'react';
2 import './App.css';
3 import { Button } from 'antd';
4 import Sider from './Sider'
5
6 function App() {
7   return (
8     <div className="App">
9       <div className="sider">
10         <Sider />
11       </div>
12       <div className="main-container">
13         <Button type="primary">Primary</Button>
14         <Button>Default</Button>
15         <Button type="dashed">Dashed</Button>
16         <Button type="danger">Danger</Button>
17         <Button type="link">Link</Button>
18       </div>
19     </div>
20   );
21 }
22
23 export default App;
```

**App.css:**

```
App.css
1 @import '~antd/dist/antd.css';
2 #root {
3   width: 100%;
4   height: 100%;
5 }
6 .App {
7   width: 100%;
8   height: 100%;
9   display: flex;
10 }
11 .sider {
12   width: 256px;
13   height: 100%;
14 }
15 .main-container {
16   flex: 1;
17 }
```

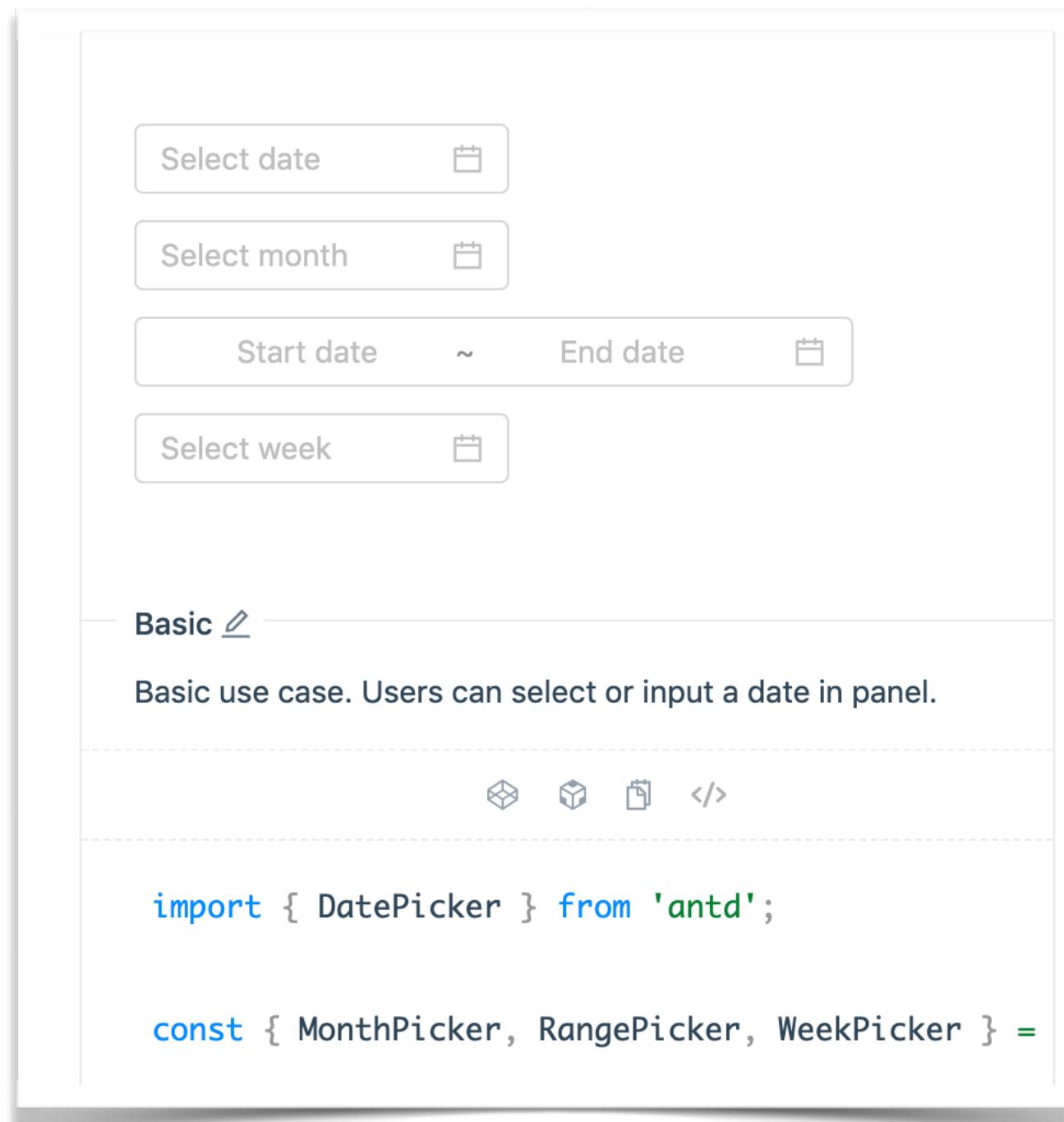
The sidebar on the left lists various Ant Design components: Icon, Typography, Layout, Grid, Layout, Navigation, Affix, Breadcrumb, Dropdown, Menu (selected), Pagination, PageHeader, Steps, Data Entry, AutoComplete, and Checkbox.

# Component 조립하기

## 예쁘게 꾸며보자

1. 와우~ 이쁜데요~~

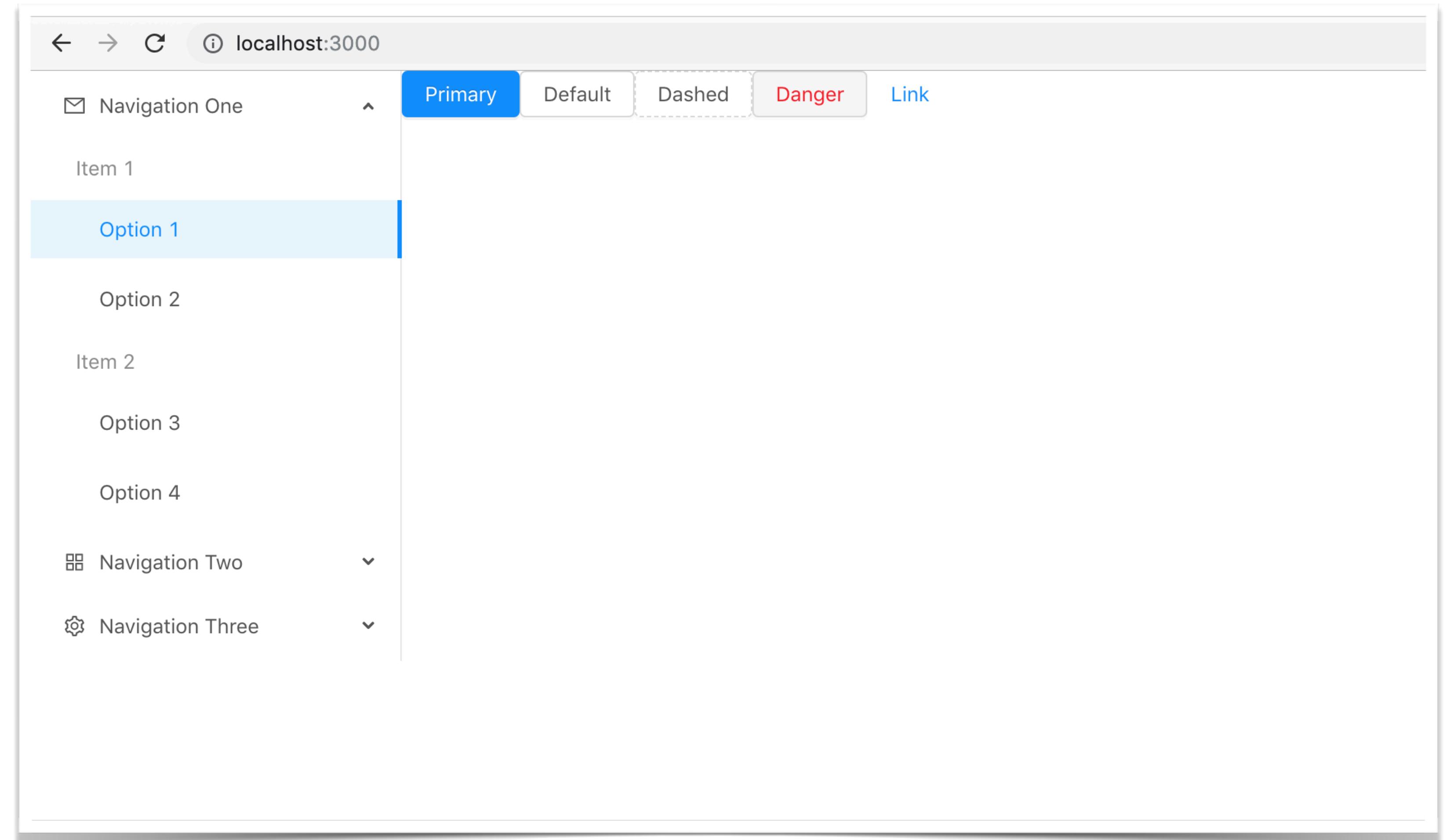
2. DatePicker도 넣어보자



Basic [🔗](#)  
Basic use case. Users can select or input a date in panel.

```
import { DatePicker } from 'antd';

const { MonthPicker, RangePicker, WeekPicker } =
```



# Component 조립하기

## 예쁘게 꾸며보자

The screenshot shows a web application interface at localhost:3000. On the left, there is a sidebar with three sections: 'Navigation One' (expanded), 'Navigation Two' (collapsed), and 'Navigation Three' (collapsed). 'Navigation One' contains 'Item 1' and 'Item 2'. 'Item 1' has four sub-options: 'Option 1' (selected, highlighted in blue), 'Option 2', 'Option 3', and 'Option 4'. 'Item 2' also has four sub-options: 'Option 1', 'Option 2', 'Option 3', and 'Option 4'. Below the sidebar is a date range picker. The calendar shows the month of May transitioning to June. The date 'May 8' is selected (highlighted in blue). The date range is set from '2019-05-08' to '2019-06-12'. The date range picker has a header with the dates '2019-05-08 ~ 2019-06-12'. Below the header are two rows of days. The first row includes Sunday (Su) through Saturday (Sa) for May 28 to June 1. The second row includes Sunday (Su) through Saturday (Sa) for May 5 to June 8. The third row includes Sunday (Su) through Saturday (Sa) for May 12 to June 15. The fourth row includes Sunday (Su) through Saturday (Sa) for May 19 to June 22. The fifth row includes Sunday (Su) through Saturday (Sa) for May 26 to June 29. The sixth row includes Sunday (Su) through Saturday (Sa) for June 2 to June 6.

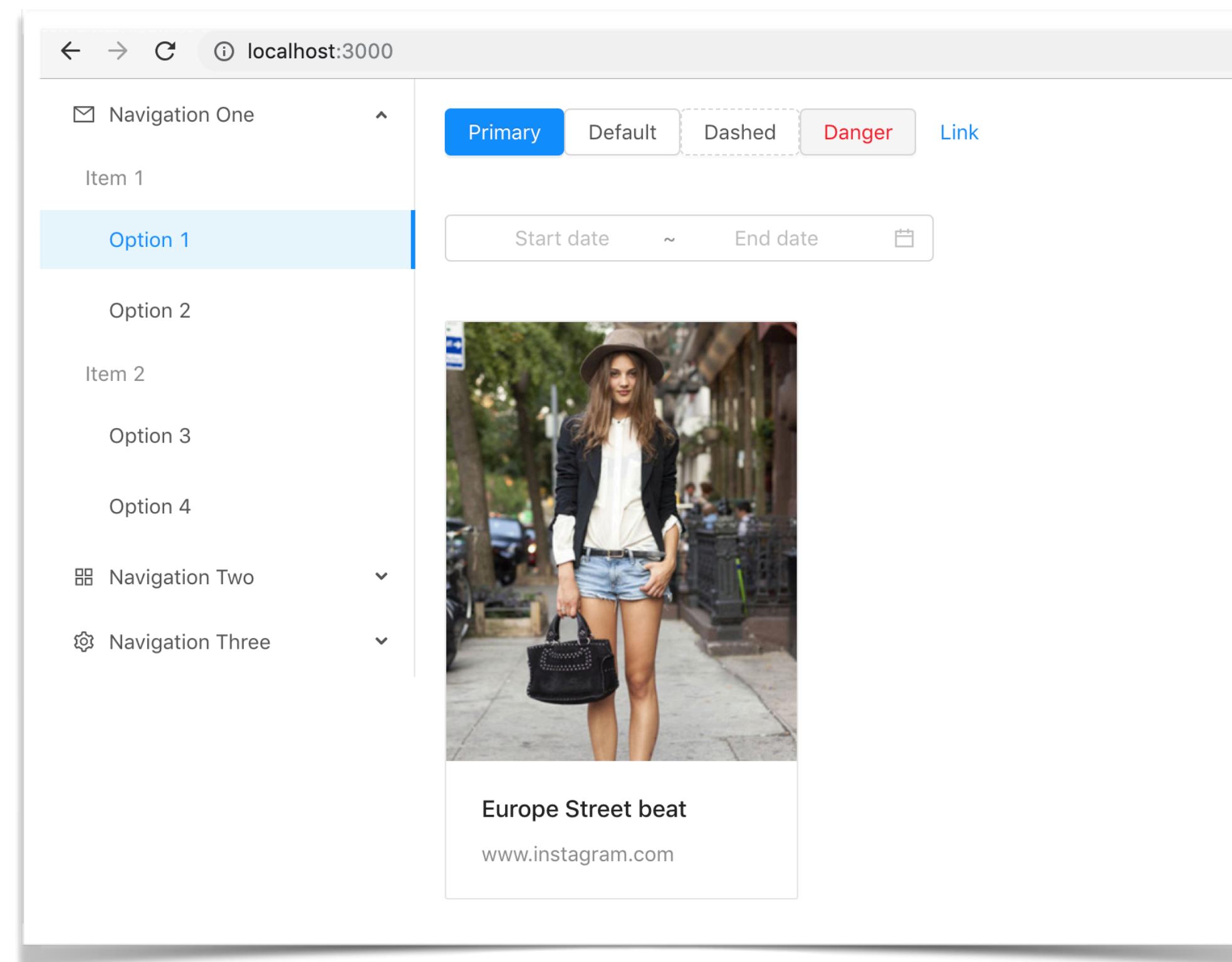
```
JS App.js x
1 import React from 'react';
2 import './App.css';
3 import { Button, DatePicker } from 'antd'
4 import Sider from './Sider'
5
6 const { RangePicker } = DatePicker;
7
8 function onChange(date, dateString) {
9   console.log(date, dateString);
10 }
11
12 function App() {
13   return (
14     <div className="App">
15       <div className="sider">
16         <Sider />
17       </div>
18       <div className="main-container">
19         <div style={{ padding: 20 }}>
20           <Button type="primary">Primary</Button>
21           <Button>Default</Button>
22           <Button type="dashed">Dashed</Button>
23           <Button type="danger">Danger</Button>
24           <Button type="link">Link</Button>
25         </div>
26         <div style={{padding: 20}}>
27           <RangePicker onChange={onChange} />
28         </div>
29       </div>
30     </div>
31   )
32 }
```

# Component 조립하기

## 예쁘게 꾸며보자

1. 와우~ 이쁜데요~~

2. Card도 넣어보자



```
import React from 'react';
import './App.css';
import { Button, DatePicker, Card } from 'antd'
import Sider from './Sider'
```

```
<div className="main-container">
  <div style={{ padding: 20 }}>...
  <div style={{ padding: 20 }}>...
  <div style={{ padding: 20 }}>
    <Card
      hoverable
      style={{ width: 240 }}
      cover={
        
      }
    >
      <Card.Meta title="Europe Street beat"
        description="www.instagram.com" />
    </Card>
  </div>
</div>
```

# 실습

## branch: 10-practice-〈UsernameEn〉

1. `~/10_antd/practice/〈UsernameEn〉` 에 다음 명령어로 react app 생성
  1. `$ npx create-react-app mytestapp`
2. 아래 명령어로 실행해본다.
  1. `$ cd mytestapp`
  2. `$ npm run start`
3. 브라우저로 접속해본다.
4. antd 에 있는 여러 components를 직접 사용해본 다음
5. PR을 작성할 때, 본인이 만든 UI를 스크린 캡쳐해서 이미지파일과 함께 올린다.

# Q & A