When To Use

A list can be used to display content related to a single subject. The content can consist of multiple elements of varying type and size.

Examples

Simple list

```
import React from 'react';
import { Divider, List, Typography } from 'antd';

const data = [
  'Racing car sprays burning fuel into crowd.',
  'Japanese princess to wed commoner.',
  'Australian walks 100km after outback crash.',
  'Man charged over missing wedding girl.',
  'Los Angeles battles huge wildfires.',
];

const App: React.FC = () => (
  <>
    <Divider orientation="left">Default Size</Divider>
    <List
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => (
        <List.Item>
          <Typography.Text mark>[ITEM]</Typography.Text> {item}
        </List.Item>
      )}
    />
    <Divider orientation="left">Small Size</Divider>
    <List
      size="small"
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => <List.Item>{item}</List.Item>}
    />
    <Divider orientation="left">Large Size</Divider>
    <List
      size="large"
```

```
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => <List.Item>{item}</List.Item>}
    />
  </>
);

export default App;
```

Basic list

```
import React from 'react';
import { Avatar, List } from 'antd';

const data = [
  {
    title: 'Ant Design Title 1',
  },
  {
    title: 'Ant Design Title 2',
  },
  {
    title: 'Ant Design Title 3',
  },
  {
    title: 'Ant Design Title 4',
  },
];

const App: React.FC = () => (
  <List
    itemLayout="horizontal"
    dataSource={data}
    renderItem={(item, index) => (
      <List.Item>
        <List.Item.Meta
          avatar={<Avatar src={`https://api.dicebear.com/7.x/miniavs/svg?
seed=${index}`} />}
          title={<a href="https://ant.design">{item.title}</a>}
          description="Ant Design, a design language for background
applications, is refined by Ant UED Team"
        />
      </List.Item>
    )}
```

```
  />
);

export default App;
```

Load more

```
import React, { useEffect, useState } from 'react';
import { Avatar, Button, List, Skeleton } from 'antd';

interface DataType {
  gender?: string;
  name: {
    title?: string;
    first?: string;
    last?: string;
  };
  email?: string;
  picture: {
    large?: string;
    medium?: string;
    thumbnail?: string;
  };
  nat?: string;
  loading: boolean;
}

const count = 3;
const fakeDataUrl = `https://randomuser.me/api/?
results=${count}&inc=name,gender,email,nat,picture&noinfo`;

const App: React.FC = () => {
  const [initLoading, setInitLoading] = useState(true);
  const [loading, setLoading] = useState(false);
  const [data, setData] = useState<DataType[]>([]);
  const [list, setList] = useState<DataType[]>([]);

  useEffect(() => {
    fetch(fakeDataUrl)
      .then((res) => res.json())
      .then((res) => {
        setInitLoading(false);
        setData(res.results);
        setList(res.results);
      });
  }, []);
```

```
  const onLoadMore = () => {
    setLoading(true);
    setList(
      data.concat(
        Array.from({ length: count }).map(() => ({ loading: true, name: {},
picture: {} })),
      ),
    );
    fetch(fakeDataUrl)
      .then((res) => res.json())
      .then((res) => {
        const newData = data.concat(res.results);
        setData(newData);
        setList(newData);
        setLoading(false);
        // Resetting window's offsetTop so as to display react-virtualized
demo underfloor.
        // In real scene, you can using public method of react-virtualized:
        // https://stackoverflow.com/questions/46700726/how-to-use-public-
method-updateposition-of-react-virtualized
        window.dispatchEvent(new Event('resize'));
      });
  };

  const loadMore =
    !initLoading && !loading ? (
      <div
        style={{
          textAlign: 'center',
          marginTop: 12,
          height: 32,
          lineHeight: '32px',
        }}
      >
        <Button onClick={onLoadMore}>loading more</Button>
      </div>
    ) : null;

  return (
    <List
      className="demo-loadmore-list"
      loading={initLoading}
      itemLayout="horizontal"
      loadMore={loadMore}
      dataSource={list}
```

```
      renderItem={(item) => (
        <List.Item
          actions={[<a key="list-loadmore-edit">edit</a>, <a key="list-
loadmore-more">more</a>]}
        >
          <Skeleton avatar title={false} loading={item.loading} active>
            <List.Item.Meta
              avatar={<Avatar src={item.picture.large} />}
              title={<a href="https://ant.design">{item.name?.last}</a>}
              description="Ant Design, a design language for background
applications, is refined by Ant UED Team"
            />
            <div>content</div>
          </Skeleton>
        </List.Item>
      )}
    />
  );
};

export default App;
```

Vertical

```
import React from 'react';
import { LikeOutlined, MessageOutlined, StarOutlined } from '@ant-
design/icons';
import { Avatar, List, Space } from 'antd';

const data = Array.from({ length: 23 }).map((_, i) => ({
  href: 'https://ant.design',
  title: `ant design part ${i}`,
  avatar: `https://api.dicebear.com/7.x/miniavs/svg?seed=${i}`,
  description:
    'Ant Design, a design language for background applications, is refined
by Ant UED Team.',
  content:
    'We supply a series of design principles, practical patterns and high
quality design resources (Sketch and Axure), to help people create their
product prototypes beautifully and efficiently.',
}));

const IconText = ({ icon, text }: { icon: React.FC; text: string }) => (
  <Space>
    {React.createElement(icon)}
    {text}
```

```
  </Space>
);

const App: React.FC = () => (
  <List
    itemLayout="vertical"
    size="large"
    pagination={{
      onChange: (page) => {
        console.log(page);
      },
      pageSize: 3,
    }}
    dataSource={data}
    footer={
      <div>
        <b>ant design</b> footer part
      </div>
    }
    renderItem={(item) => (
      <List.Item
        key={item.title}
        actions={[
          <IconText icon={StarOutlined} text="156" key="list-vertical-star-
o" />,
          <IconText icon={LikeOutlined} text="156" key="list-vertical-like-
o" />,
          <IconText icon={MessageOutlined} text="2" key="list-vertical-
message" />,
        ]}
        extra={
          <img
            width={272}
            alt="logo"

src="https://gw.alipayobjects.com/zos/rmsportal/mqaQswcyDLcXyDKnZfES.png"
          />
        }
      >
        <List.Item.Meta
          avatar={<Avatar src={item.avatar} />}
          title={<a href={item.href}>{item.title}</a>}
          description={item.description}
        />
        {item.content}
      </List.Item>
```

```
    )}
  />
);

export default App;
```

Pagination Settings

```
import React, { useState } from 'react';
import { Avatar, List, Radio, Space } from 'antd';

type PaginationPosition = 'top' | 'bottom' | 'both';

type PaginationAlign = 'start' | 'center' | 'end';

const data = [
  {
    title: 'Ant Design Title 1',
  },
  {
    title: 'Ant Design Title 2',
  },
  {
    title: 'Ant Design Title 3',
  },
  {
    title: 'Ant Design Title 4',
  },
];

const positionOptions = ['top', 'bottom', 'both'];

const alignOptions = ['start', 'center', 'end'];

const App: React.FC = () => {
  const [position, setPosition] = useState<PaginationPosition>('bottom');
  const [align, setAlign] = useState<PaginationAlign>('center');

  return (
    <>
      <Space direction="vertical" style={{ marginBottom: '20px' }}
size="middle">
        <Space>
          <span>Pagination Position:</span>
          <Radio.Group
            optionType="button"
```

```
            value={position}
            onChange={(e) => {
              setPosition(e.target.value);
            }}
          >
            {positionOptions.map((item) => (
              <Radio.Button key={item} value={item}>
                {item}
              </Radio.Button>
            ))}
          </Radio.Group>
        </Space>
        <Space>
          <span>Pagination Align:</span>
          <Radio.Group
            optionType="button"
            value={align}
            onChange={(e) => {
              setAlign(e.target.value);
            }}
          >
            {alignOptions.map((item) => (
              <Radio.Button key={item} value={item}>
                {item}
              </Radio.Button>
            ))}
          </Radio.Group>
        </Space>
      </Space>
      <List
        pagination={{ position, align }}
        dataSource={data}
        renderItem={(item, index) => (
          <List.Item>
            <List.Item.Meta
              avatar={<Avatar src=
{`https://api.dicebear.com/7.x/miniavs/svg?seed=${index}`} />}
              title={<a href="https://ant.design">{item.title}</a>}
              description="Ant Design, a design language for background
applications, is refined by Ant UED Team"
            />
          </List.Item>
        )}
      />
    </>
  );
```

```
};

export default App;
```

Grid

```
import React from 'react';
import { Card, List } from 'antd';

const data = [
  {
    title: 'Title 1',
  },
  {
    title: 'Title 2',
  },
  {
    title: 'Title 3',
  },
  {
    title: 'Title 4',
  },
];

const App: React.FC = () => (
  <List
    grid={{ gutter: 16, column: 4 }}
    dataSource={data}
    renderItem={(item) => (
      <List.Item>
        <Card title={item.title}>Card content</Card>
      </List.Item>
    )}
  />
);

export default App;
```

Test Grid

Debug

```
import React from 'react';
import { Card, List } from 'antd';

const data = [
```

```
  {
    title: 'Title 1',
  },
  {
    title: 'Title 2',
  },
  {
    title: 'Title 3',
  },
  {
    title: 'Title 4',
  },
  {
    title: 'Title 5',
  },
  {
    title: 'Title 6',
  },
];

const ListItem = () => (
  <List.Item>
    <Card title="title">Card content</Card>
  </List.Item>
);

const App: React.FC = () => (
  <>
    <List
      grid={{ gutter: 16, column: 4 }}
      dataSource={data}
      renderItem={(item) => (
        <List.Item>
          <Card title={item.title}>Card content</Card>
        </List.Item>
      )}
    />
    <List grid={{ gutter: 16, column: 4 }} dataSource={data} renderItem={()
=> <ListItem />} />
    <List
      grid={{ gutter: 16, column: 4 }}
      dataSource={data}
      renderItem={() => (
        <>
          <ListItem />
          <div />
```

```
        </>
      )}
    />
  </>
);

export default App;
```

Responsive grid list

```
import React from 'react';
import { Card, List } from 'antd';

const data = [
  {
    title: 'Title 1',
  },
  {
    title: 'Title 2',
  },
  {
    title: 'Title 3',
  },
  {
    title: 'Title 4',
  },
  {
    title: 'Title 5',
  },
  {
    title: 'Title 6',
  },
];

const App: React.FC = () => (
  <List
    grid={{
      gutter: 16,
      xs: 1,
      sm: 2,
      md: 4,
      lg: 4,
      xl: 6,
      xxl: 3,
    }}
    dataSource={data}
```

```
    renderItem={(item) => (
      <List.Item>
        <Card title={item.title}>Card content</Card>
      </List.Item>
    )}
  />
);

export default App;
```

Scrolling loaded

```
import React, { useEffect, useState } from 'react';
import { Avatar, Divider, List, Skeleton } from 'antd';
import InfiniteScroll from 'react-infinite-scroll-component';

interface DataType {
  gender: string;
  name: {
    title: string;
    first: string;
    last: string;
  };
  email: string;
  picture: {
    large: string;
    medium: string;
    thumbnail: string;
  };
  nat: string;
}

const App: React.FC = () => {
  const [loading, setLoading] = useState(false);
  const [data, setData] = useState<DataType[]>([]);

  const loadMoreData = () => {
    if (loading) {
      return;
    }
    setLoading(true);
    fetch('https://randomuser.me/api/?
results=10&inc=name,gender,email,nat,picture&noinfo')
      .then((res) => res.json())
      .then((body) => {
        setData([...data, ...body.results]);
```

```
        setLoading(false);
      })
      .catch(() => {
        setLoading(false);
      });
  };

  useEffect(() => {
    loadMoreData();
  }, []);

  return (
    <div
      id="scrollableDiv"
      style={{
        height: 400,
        overflow: 'auto',
        padding: '0 16px',
        border: '1px solid rgba(140, 140, 140, 0.35)',
      }}
    >
      <InfiniteScroll
        dataLength={data.length}
        next={loadMoreData}
        hasMore={data.length < 50}
        loader={<Skeleton avatar paragraph={{ rows: 1 }} active />}
        endMessage={<Divider plain>It is all, nothing more 🤐</Divider>}
        scrollableTarget="scrollableDiv"
      >
        <List
          dataSource={data}
          renderItem={(item) => (
            <List.Item key={item.email}>
              <List.Item.Meta
                avatar={<Avatar src={item.picture.large} />}
                title={<a href="https://ant.design">{item.name.last}</a>}
                description={item.email}
              />
              <div>Content</div>
            </List.Item>
          )}
        />
      </InfiniteScroll>
    </div>
  );
};
```

```
export default App;
```

virtual list

```
import React, { useEffect, useState } from 'react';
import { Avatar, List, message } from 'antd';
import VirtualList from 'rc-virtual-list';

interface UserItem {
  email: string;
  gender: string;
  name: {
    first: string;
    last: string;
    title: string;
  };
  nat: string;
  picture: {
    large: string;
    medium: string;
    thumbnail: string;
  };
}

const fakeDataUrl =
  'https://randomuser.me/api/?
results=20&inc=name,gender,email,nat,picture&noinfo';
const ContainerHeight = 400;

const App: React.FC = () => {
  const [data, setData] = useState<UserItem[]>([]);

  const appendData = (showMessage = true) => {
    fetch(fakeDataUrl)
      .then((res) => res.json())
      .then((body) => {
        setData(data.concat(body.results));
        showMessage && message.success(`${body.results.length} more items
loaded!`);
      });
  };

  useEffect(() => {
    appendData(false);
  }, []);
```

```
  const onScroll = (e: React.UIEvent<HTMLElement, UIEvent>) => {
    // Refer to: https://developer.mozilla.org/en-
US/docs/Web/API/Element/scrollHeight#problems_and_solutions
    if (Math.abs(e.currentTarget.scrollHeight - e.currentTarget.scrollTop -
ContainerHeight) <= 1) {
      appendData();
    }
  };

  return (
    <List>
      <VirtualList
        data={data}
        height={ContainerHeight}
        itemHeight={47}
        itemKey="email"
        onScroll={onScroll}
      >
        {(item: UserItem) => (
          <List.Item key={item.email}>
            <List.Item.Meta
              avatar={<Avatar src={item.picture.large} />}
              title={<a href="https://ant.design">{item.name.last}</a>}
              description={item.email}
            />
            <div>Content</div>
          </List.Item>
        )}
      </VirtualList>
    </List>
  );
};

export default App;
```

custom component token

Debug

```
import React from 'react';
import { Avatar, ConfigProvider, Divider, List, Typography } from 'antd';

const data = [
  'Racing car sprays burning fuel into crowd.',
  'Japanese princess to wed commoner.',
```

```
  'Australian walks 100km after outback crash.',
  'Man charged over missing wedding girl.',
  'Los Angeles battles huge wildfires.',
];

const data1 = [
  {
    title: 'Ant Design Title 1',
  },
  {
    title: 'Ant Design Title 2',
  },
  {
    title: 'Ant Design Title 3',
  },
  {
    title: 'Ant Design Title 4',
  },
];

const App: React.FC = () => (
  <ConfigProvider
    theme={{
      components: {
        List: {
          headerBg: 'pink',
          footerBg: 'pink',
          emptyTextPadding: 32,
          itemPadding: '26px',
          itemPaddingSM: '16px',
          itemPaddingLG: '36px',
          metaMarginBottom: 20,
          avatarMarginRight: 20,
          titleMarginBottom: 10,
          descriptionFontSize: 20,
        },
      },
    }}
  >
    <Divider orientation="left">Default Size</Divider>
    <List
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => (
```

```
        <List.Item>
          <Typography.Text mark>[ITEM]</Typography.Text> {item}
        </List.Item>
      )}
    />
    <Divider orientation="left">Small Size</Divider>
    <List
      size="small"
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => <List.Item>{item}</List.Item>}
    />
    <Divider orientation="left">Large Size</Divider>
    <List
      size="large"
      header={<div>Header</div>}
      footer={<div>Footer</div>}
      bordered
      dataSource={data}
      renderItem={(item) => <List.Item>{item}</List.Item>}
    />
    <Divider orientation="left">Meta</Divider>
    <List
      itemLayout="horizontal"
      dataSource={data1}
      renderItem={(item, index) => (
        <List.Item>
          <List.Item.Meta
            avatar={<Avatar src={`https://api.dicebear.com/7.x/miniavs/svg?
seed=${index}`} />}
            title={<a href="https://ant.design">{item.title}</a>}
            description="Ant Design, a design language for background
applications, is refined by Ant UED Team"
          />
        </List.Item>
      )}
    />
    <Divider orientation="left">Vertical</Divider>
    <List
      itemLayout="vertical"
      dataSource={data1}
      renderItem={(item, index) => (
        <List.Item>
          <List.Item.Meta
```

```
            avatar={<Avatar src={`https://api.dicebear.com/7.x/miniavs/svg?
seed=${index}`} />}
            title={<a href="https://ant.design">{item.title}</a>}
            description="Ant Design, a design language for background
applications, is refined by Ant UED Team"
          />
        </List.Item>
      )}
    />
    <Divider orientation="left">Empty Text</Divider>
    <List />
  </ConfigProvider>
);

export default App;
```

API

Common props ref：Common props

List

Property	Description	Type	Default	Version
bordered	Toggles rendering of the border around the list	boolean	false	
dataSource	DataSource array for list	any[]	-	
footer	List footer renderer	ReactNode	-	
grid	The grid type of list. You can set grid to something like {gutter: 16, column: 4}	object	-	
header	List header renderer	ReactNode	-	
itemLayout	The layout of list	`horizontal` | `vertical`	`horizontal`	
loading	Shows a loading indicator while the contents of the list are being fetched	boolean | SpinProps (more)	false	
loadMore	Shows a load more content	ReactNode	-	
locale	The i18n text including empty text	object	{emptyText: `No Data`}	

pagination	Pagination config, hide it by setting it to false	boolean | object	false	
renderItem	Customize list item when using `dataSource`	(item: T, index: number) => ReactNode	-	
rowKey	Item's unique value, could be an Item's key which holds a unique value of type `React.Key` or function that receives Item and returns a `React.Key`	`keyof T` | (item: T) => `React.Key`	`"key"`	
size	Size of list	`default` | `large` | `small`	`default`	
split	Toggles rendering of the split under the list item	boolean	true	

pagination

Properties for pagination.

Property	Description	Type	Default
position	The specify the position of `Pagination`	`top` | `bottom` | `both`	`bottom`
align	The specify the alignment of `Pagination`	`start` | `center` | `end`	`end`

More about pagination, please check `Pagination` .

List grid props

Property	Description	Type	Default	Version
column	The column of grid	number	-	
gutter	The spacing between grid	number	0	
xs	<576px column of grid	number	-	
sm	≥576px column of grid	number	-	
md	≥768px column of grid	number	-	
lg	≥992px column of grid	number	-	
xl	≥1200px column of grid	number	-	
xxl	≥1600px column of grid	number	-	

List.Item

Property	Description	Type	Default	Version
actions	The actions content of list item. If `itemLayout` is `vertical`, shows the content on bottom, otherwise shows content on the far right	Array<ReactNode>	-	
classNames	Semantic structure className	Record<actions | extra, string>	-	5.18.0
extra	The extra content of list item. If `itemLayout` is `vertical`, shows the content on right, otherwise shows content on the far right	ReactNode	-	
styles	Semantic DOM style	Record<actions | extra, CSSProperties>	-	5.18.0

List.Item.Meta

Property	Description	Type	Default	Version
avatar	The avatar of list item	ReactNode	-	
description	The description of list item	ReactNode	-	
title	The title of list item	ReactNode	-	

Semantic DOM

演示

```
import React from 'react';

import SemanticPreview from '../../../.dumi/components/SemanticPreview';
import useLocale from '../../../.dumi/hooks/useLocale';

import { Avatar, List, Space } from 'antd';
import { LikeOutlined, MessageOutlined, StarOutlined } from '@ant-
design/icons';
```

```
const locales = {
  cn: {
    extra: '设置额外内容',
    actions: '设置列表操作组',
  },
  en: {
    extra: 'set `extra` of List.Item',
    actions: 'set `actions` of List.Item',
  },
};

const IconText = ({ icon, text }: { icon: React.FC; text: string }) => (
  <Space>
    {React.createElement(icon)}
    {text}
  </Space>
);

const data = Array.from({ length: 1 }).map((_, i) => ({
  href: 'https://ant.design',
  title: `ant design part ${i}`,
  avatar: `https://api.dicebear.com/7.x/miniavs/svg?seed=${i}`,
  description:
    'Ant Design, a design language for background applications, is refined
by Ant UED Team.',
  content:
    'We supply a series of design principles, practical patterns and high
quality design resources (Sketch and Axure), to help people create their
product prototypes beautifully and efficiently.',
}));

const BlockList: React.FC<React.PropsWithChildren> = (props) => {
  const divRef = React.useRef<HTMLDivElement>(null);

  return (
    <div ref={divRef} style={{ position: 'absolute', inset: 0, height: 300
}}>
      <List
        itemLayout="vertical"
        size="large"
        dataSource={data}
        renderItem={(item) => (
          <List.Item
            {...props}
            key={item.title}
            actions={[
```

```
              <IconText icon={StarOutlined} text="156" key="list-vertical-
star-o" />,
              <IconText icon={LikeOutlined} text="156" key="list-vertical-
like-o" />,
              <IconText icon={MessageOutlined} text="2" key="list-vertical-
message" />,
            ]}
            extra={
              <img
                width={272}
                alt="logo"

src="https://gw.alipayobjects.com/zos/rmsportal/mqaQswcyDLcXyDKnZfES.png"
              />
            }
          >
            <List.Item.Meta
              avatar={<Avatar src={item.avatar} />}
              title={<a href={item.href}>{item.title}</a>}
              description={item.description}
            />
            {item.content}
          </List.Item>
        )}
      />
    </div>
  );
};

const App: React.FC = () => {
  const [locale] = useLocale(locales);
  return (
    <SemanticPreview
      componentName="List"
      height={300}
      semantics={[
        { name: 'extra', desc: locale.extra, version: '5.18.0' },
        { name: 'actions', desc: locale.actions, version: '5.18.0' },
      ]}
    >
      <BlockList />
    </SemanticPreview>
  );
};

export default App;
```

Design Token