

Tomáš Horáček

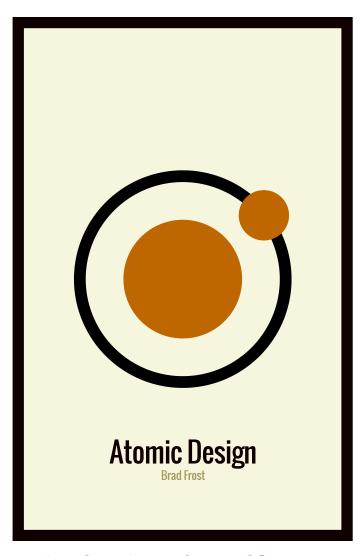
horacek@cngroup.dk

User Interface (UI)

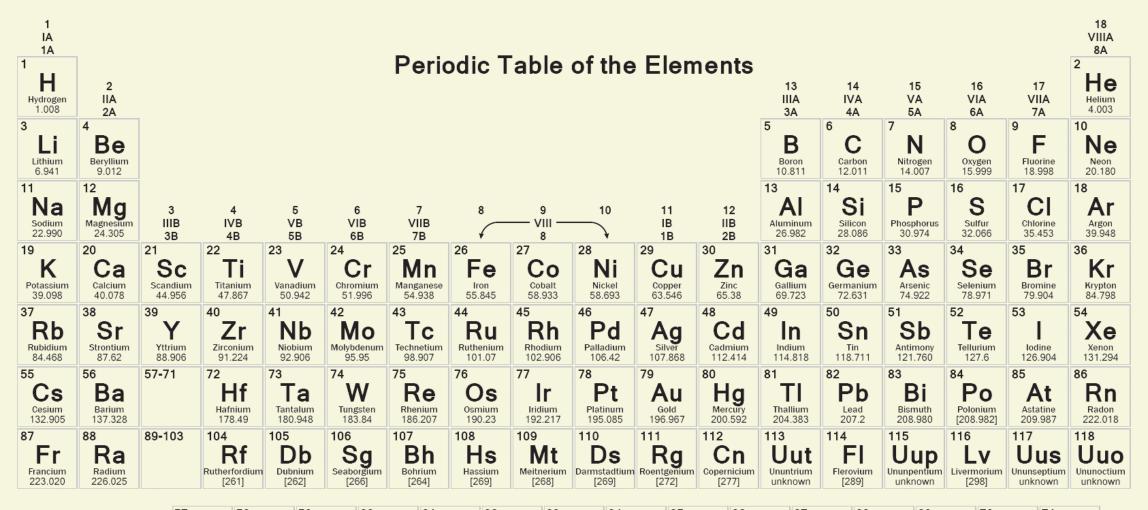
Component

Component Examples

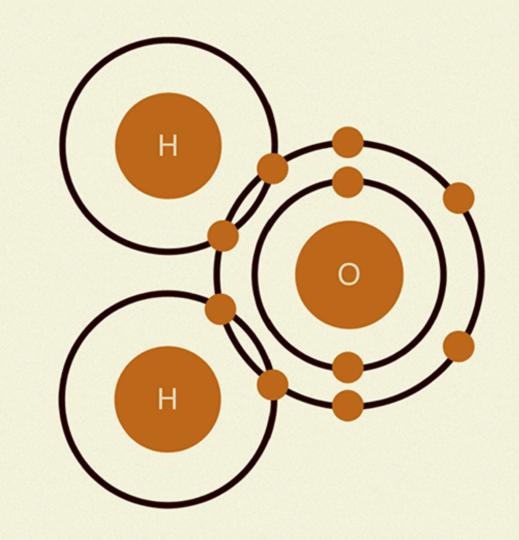
<button></button>	Hello
<input/>	Name
<label></label>	Name
<inputwithlabel></inputwithlabel>	Name:
<loginform></loginform>	Email: Password:
	Login



atomicdesign.bradfrost.com



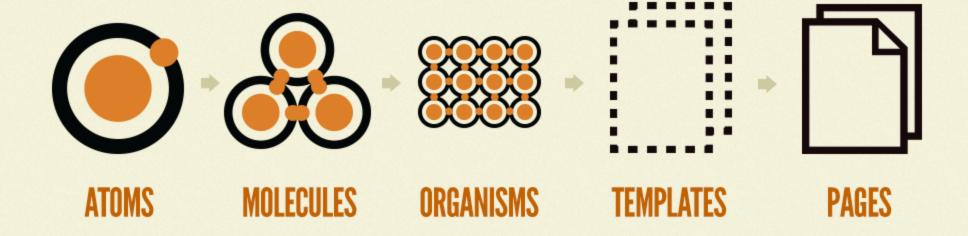
Lanthanide Series	La Lanthanum 138.905	Cerium 140.116		Nd	Promethium 144.913	Sm Samarium 150.36	Europium 151.964	Gadolinium 157.25	Tb Terbium 158.925	Dy Dysprosium 162.500	Ho Holmium 164.930	Erbium 167.259	Tm Thulium 168.934	Yb Ytterbium 173.055	Lu Lutetium 174.967
Actinide Series	Actinium 227.028	90 Th Thorium 232.038	Protactinium 231.036	92 U Uranium 238.029	Np Neptunium 237.048	Plutonium 244.064	95 Am Americium 243.061	96 Cm curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	Mendelevium 258.1	No Nobelium 259.101	Lawrencium [262]



 $2H_2+O_2\rightarrow 2H_2O$

Periodic Table of the Elements





Atoms

<button></button>	Hello
<input/>	Name
<label></label>	Name
<form></form>	(not visible)
<formgroup></formgroup>	(not visible)

Molecules

<inputwithlabel></inputwithlabel>	Name:		

Organisms

<loginform></loginform>	Email:
	Password:
	Login

```
export const LoginForm = ({ values, onInputChange, ...rest }) => (
  <Form {...rest}>
    <InputWithLabel</pre>
      id="email"
      label="Email"
      value={(values || {}}).email}
      onInputChange={onInputChange}
    />
    <InputWithLabel</pre>
      id="passowrd"
      label="Password"
      type="passowrd"
      value={(values || {}}).passowrd}
      onInputChange={onInputChange}
    />
    <Button block type="submit" title="Login" />
  </Form>
```

Template

= Page UI

Templates

<logintemplate></logintemplate>	Log Into E-shop Email:
	Password:
	Login
	© 2016-2018

Page

= Template + Data + Logic

Pages

<loginpage></loginpage>	Log Into E-shop
	Email:
	Password:
	Login
	© 2016-2018

Pages

<LoginPage />

(on previous slide)

```
export class LoginPage extends Component {
  state = {
    email: '',
   passowrd: '',
 };
  render() {
    const { email, passowrd } = this.state;
    const values = { email, passowrd };
    return (
      <LoginTemplate</pre>
        values={values}
        onInputChange={(id, value) =>
          this.setState({ [id]: value })
        onSubmit={e => {
          e.preventDefault();
          alert(`Send data: ${JSON.stringify(values)}`);
       }}
```

Atomic Design

= System of Components





```
src
                                  src
components
                                  — components
    ── Button.js
                                      ├─ atoms
    ├─ Form.js
                                          ├─ Button.js
   FormGroup.js
                                         ├─ Form.js
                                          FormGroup.js
   ├─ Heading.js
   ─ Input.js
                                          ├─ Heading.js
   ── InputWithLabel.js
                                          ├─ Input.js
   ├─ Label.js
                                          ├─ Label.js
    ─ LoginForm.js
                                          PageWrapper.js
                                          — Paragraph.js
    ─ LoginPage.js
    ─ LoginTemplate.js
                                       — molecules
   ── PageWrapper.js
                                          ── Paragraph.js
                                        - organisms
                                          └── LoginForm.js
                                         pages
                                          └─ LoginPage.js
                                      — templates
                                          ─ LoginTemplate.js
```





Thanks! 🙏