# parcel-examples (0.0.1)

Maksim Kostromin

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Travis CI status: [Build Status]

# Chapter 1. Introduction

Read reference documentation

generated by generator-jvm yeoman generator (java)

# Chapter 2. Implementation

## 2.1. basic example

*prepare project*

```
mkdir -p basic

echo "node_modules" >> basic/.gitignore
echo "dist" >> basic/.gitignore
echo '{"scripts":{"start":"parcel serve src/","build":"parcel build src/index.html"}}'
> basic/package.json

cd basic/
npm init -y
npm i -D parcel-bundler
```

*prepare project files*

```
mkdir -p src
touch src/index.html
touch src/styles.css
touch src/main.js
```

*main.js*

```js
(function main() {
  'use strict';
  document.addEventListener('DOMContentLoaded', function onDOMContentLoaded() {
    document.querySelector('#app').textContent = 'hey!';
  }, false);
})();
```

*styles.css*

```css
body {
  padding: 2%;
  margin: 0;
}
```

*index.html*

```html
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
        content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Basic | Parcel</title>
  <link rel="shortcut icon" href="./favicon.ico" type="image/x-icon">
  <link rel="stylesheet" href="./styles.css">
</head>
<body>
  <div id="app"></div>
  <script src="./main.js"></script>
</body>
</html>
```

*start development*

```
npm start
```

open localhost:1234/

*build bundle*

```
npm run build
```

*verify result*

```
npm i -g serve
serve dist/
```

open localhost:5000/

## 2.2. babel-stage-0

parcel needed only .babelrc file and installed required presets

*add* .babelrc *file, install and configure presets:* env *and* stage-0

```
cp -Rf basic babel-stage-0
cd babel-stage-0/
echo '{"presets":["env","stage-0"]}' > .babelrc
npm i -D babel-preset-env babel-preset-stage-0
```

done.

## 2.3. react

*for React you need even less: just install react library and parcel will recognize everything for you!*

```
cp -Rf babel-stage-0 react
cd react/
npm i -S react react-dom
```

*add react component:*

```
import React, { Component } from 'react';

export class EchoEhlo extends Component {
  constructor() {
    super();
    this.state = {
      message: 'hello',
    };
    this.toggle = this.toggle.bind(this);
  }
  toggle() {
    this.setState({
      message: this.state.message.split('').reverse().join(''),
    })
  }
  render() {
    return <h1 onClick={this.toggle}>
      {this.state.message}
    </h1>
  }
}
```

*and update code in* `src/main.js` *file:*

```
import React from 'react';
import { render } from 'react-dom';
import { EchoEhlo } from './components/echo-ehlo';

render(
  <EchoEhlo/>,
  document.querySelector('#app')
);
```

build, run, verify...

done.

# Chapter 3. Links

- GitHub repo
- GitHub pages