



# 玩具积木工厂系统操作手册

## 摘要

玩具积木工厂系统主要实现了玩具积木订单的创建、发票报表生成、切割清单报表生成及涂装报告生成功能。

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## 1 项目描述

玩具积木工厂系统主要实现了玩具积木订单的创建、发票报表生成、切割清单报表生成及涂装报告生成功能。

## 2 操作手册

- 1) 在本地启动项目（具体请参考项目运行），在浏览器中输入连接<http://localhost:3000/>，可以看到项目主界面的创建订单表单，如图一；

### Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

#### User Information

* Name:	* Address:	* Due Date:
<input type="text" value="Please enter name"/>	<input type="text" value="Please enter address"/>	<input type="text" value="Please enter due date"/> 

#### Toy Blocks Production Information

Red Square:	Blue Square:	Yellow Square:
<input type="text" value="Please enter red square number"/>	<input type="text" value="Please enter blue square number"/>	<input type="text" value="Please enter yellow square number"/>
Red Triangle:	Blue Triangle:	Yellow Triangle:
<input type="text" value="Please enter red triangle number"/>	<input type="text" value="Please enter blue triangle number"/>	<input type="text" value="Please enter yellow triangle number"/>
Red Circle:	Blue Circle:	Yellow Circle:
<input type="text" value="Please enter red circle number"/>	<input type="text" value="Please enter blue circle number"/>	<input type="text" value="Please enter yellow circle number"/>

Create New Order

Clear

图一

- 2) 添加订单，在表单中添加订单相关信息，如图二；

## Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

### User Information

* Name :	* Address :	* Due Date :
<input type="text" value="Ella Gao"/>	<input type="text" value="Mantangyue Community, No. 88 Jinye Road, \"/>	<input type="text" value="27 Jun 2021"/>

### Toy Blocks Production Information

Red Square :	Blue Square :	Yellow Square :
<input type="text" value="Please enter red square number"/>	<input type="text" value="180"/>	<input type="text" value="Please enter yellow square number"/>
Red Triangle :	Blue Triangle :	Yellow Triangle :
<input type="text" value="Please enter red triangle number"/>	<input type="text" value="123213123123"/>	<input type="text" value="234234234234324"/>
Red Circle :	Blue Circle :	Yellow Circle :
<input type="text" value="Please enter red circle number"/>	<input type="text" value="Please enter blue circle number"/>	<input type="text" value="Please enter yellow circle number"/>

图二

Name, Address, Due Date 为必填项, 若未填写, 点击 Create New Order 会触发错误校验, 如图三。

Name 最大字符串输入长度为 100, Address 最大字符串输入长度为 200。

## Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

### User Information

* Name :	* Address :	* Due Date :
<input type="text" value="Please enter name"/>	<input type="text" value="Please enter address"/>	<input type="text" value="Please enter due date"/>
Please input name.	Please input address.	Please input due date.

### Toy Blocks Production Information

Red Square :	Blue Square :	Yellow Square :
<input type="text" value="Please enter red square number"/>	<input type="text" value="Please enter blue square number"/>	<input type="text" value="Please enter yellow square number"/>
Red Triangle :	Blue Triangle :	Yellow Triangle :
<input type="text" value="Please enter red triangle number"/>	<input type="text" value="Please enter blue triangle number"/>	<input type="text" value="Please enter yellow triangle number"/>
Red Circle :	Blue Circle :	Yellow Circle :
<input type="text" value="Please enter red circle number"/>	<input type="text" value="Please enter blue circle number"/>	<input type="text" value="Please enter yellow circle number"/>

图三

积木块数量为选填，如果积木块加和为 0，会触发错误校验，如图四，每种类  
型积木块最小为 0，最大为 100000000000000000000。

### Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

✖

Error

The number of toy blocks should not be empty.

User Information

\* Name :

Ella Gao

\* Address :

Mantangyue Community, No. 88 Jinye Road, \

\* Due Date :

04 Jul 2021

Toy Blocks Production Information

Red Square :

Please enter red square number

Blue Square :

Please enter blue square number

Yellow Square :

Please enter yellow square number

Red Triangle :

Please enter red triangle number

Blue Triangle :

Please enter blue triangle number

Yellow Triangle :

0

Red Circle :

Please enter red circle number

Blue Circle :

Please enter blue circle number

Yellow Circle :

Please enter yellow circle number

Create New Order

Clear

图四

点击 Create New Order 按钮，创建订单，可以看到，根据用户输入信息，生  
成了发票报表、切割清单报表及涂装报告， 如图五。

## Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.



Success

The order create successfully.

### User Information

\* Name :

Ella Gao

\* Address :

Mantangyue Community, No. 88 Jinye Road, \

\* Due Date :

04 Jul 2021



### Toy Blocks Production Information

Red Square :

160

Blue Square :

Please enter blue square number

Yellow Square :

Please enter yellow square number

Red Triangle :

Please enter red triangle number

Blue Triangle :

100000

Yellow Triangle :

0

Red Circle :

Please enter red circle number

Blue Circle :

Please enter blue circle number

Yellow Circle :

1999999

Create New Order

Clear

### Your invoice report has been generated:

Name: Ella Gao  
Address: Mantangyue Community, No. 88 Jinye Road, Yanta District, Xi'an City, Shaanxi Province  
Due date: 04 Jul 2021  
Order #: 86607

	Red	Blue	Yellow
Square	160	-	-
Triangle	-	100,000	-
Circle	-	-	1,999,999

Squares 160 @ \$1 ppi = \$160  
Triangles 100,000 @ \$2 ppi = \$200,000  
Circles 1,999,999 @ \$3 ppi = \$5,999,997  
Red color surcharge 160 @ \$1 ppi = \$160  
Total: \$6,200,317

### Your cutting list has been generated:

Name: Ella Gao  
Address: Mantangyue Community, No. 88 Jinye Road, Yanta District, Xi'an City, Shaanxi Province  
Due date: 04 Jul 2021  
Order #: 86607

	QTY
Square	160
Triangle	100,000
Circle	1,999,999

### Your painting report has been generated:

Name: Ella Gao  
Address: Mantangyue Community, No. 88 Jinye Road, Yanta District, Xi'an City, Shaanxi Province  
Due date: 04 Jul 2021  
Order #: 86607

	Red	Blue	Yellow
Square	160	-	-
Triangle	-	100,000	-
Circle	-	-	1,999,999

图五

3) 清空表单及报表，点击 Clear 按钮，清空表单报表，如图六。

## Toy Block Factory Kata

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

### User Information

* Name :	* Address :	* Due Date :
<input type="text" value="Please enter name"/>	<input type="text" value="Please enter address"/>	<input type="text" value="Please enter due date"/>

### Toy Blocks Production Information

Red Square :	Blue Square :	Yellow Square :
<input type="text" value="Please enter red square number"/>	<input type="text" value="Please enter blue square number"/>	<input type="text" value="Please enter yellow square number"/>
Red Triangle :	Blue Triangle :	Yellow Triangle :
<input type="text" value="Please enter red triangle number"/>	<input type="text" value="Please enter blue triangle number"/>	<input type="text" value="Please enter yellow triangle number"/>
Red Circle :	Blue Circle :	Yellow Circle :
<input type="text" value="Please enter red circle number"/>	<input type="text" value="Please enter blue circle number"/>	<input type="text" value="Please enter yellow circle number"/>

Create New Order	Clear
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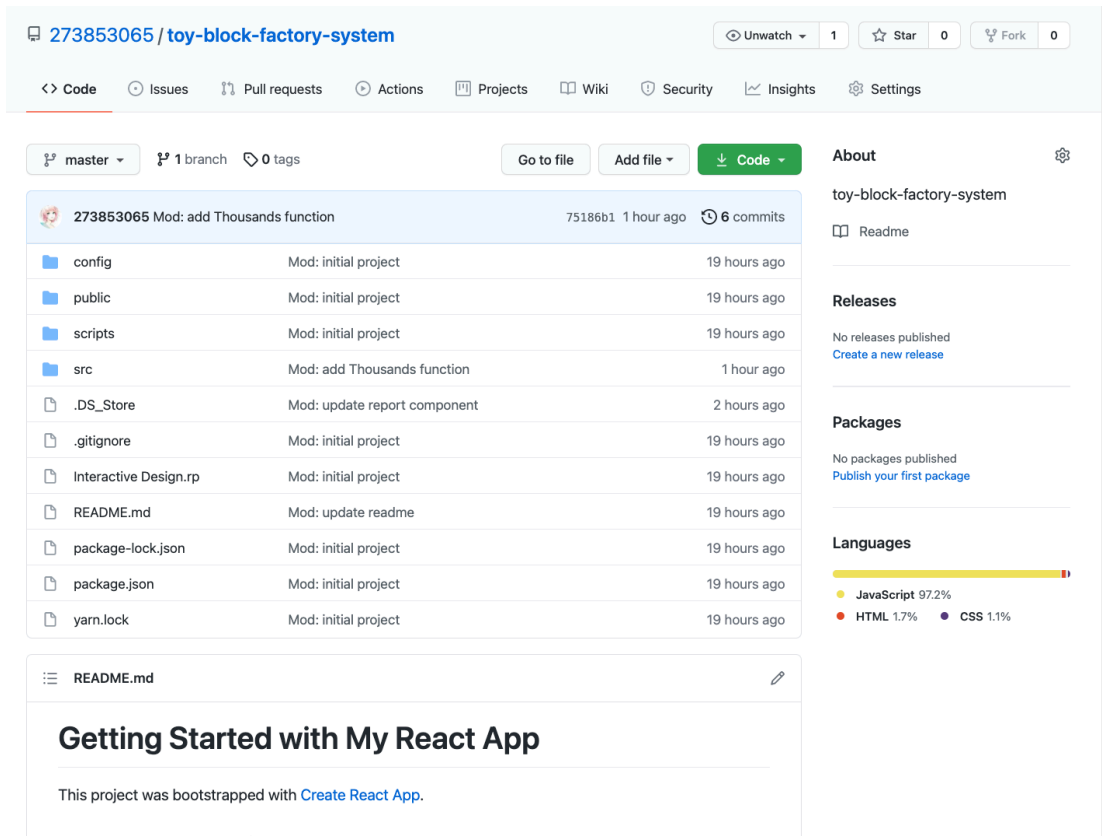
图六

## 3 项目运行

我将项目上传到了 github 上，项目地址为：

<https://github.com/273853065/toy-block-factory-system>

代码分支为 master。



图七

首先下载代码：

```
git clone git@github.com:273853065/toy-block-factory-system.git
```

下载对应的依赖包，在本地执行：

```
npm install
```

启动：

```
yarn start
```

启动项目，<http://localhost:3000/>