



# TOY BLOCK FACTORY SYSTEM OPERATION MANUAL

## Abstract

The toy block factory system mainly realizes the creation of toy building block orders, invoice report generation, cutting list report generation and painting report generation functions.

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## 1 Project description

The toy block factory system mainly realizes the creation of toy building block orders, invoice report generation, cutting list report generation and painting report generation functions.

## 2 Operation manual

- 1) Start the project locally (please refer to project operation for details), enter the connection <http://localhost:3000/> in the browser, and you can see the order creation form on the main interface of the project, as shown in

Figure 1;

**Toy Block Factory Kata**

Welcome to the Toy Block Factory!

Please fill out the form to complete the order creation.

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**User Information**

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\* Name:  \* Address:  \* Due Date:

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**Toy Blocks Production Information**

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

Figure 1

- 2) Add order, add order-related information in the form, as shown in Figure 2;

## 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"/>

Figure 2

Name, Address, and Due Date are required fields. If they are not filled in, clicking Create New Order will trigger an error check, as shown in Figure 3.

The maximum string input length for Name is 100, and the maximum string input length for Address is 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"/>

Figure 3.

The number of blocks is optional. If the sum of blocks is 0, an error check will be triggered, as shown in Figure 4. The minimum of each type of block is 0 and the maximum is 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 :	* Address :	* Due Date :
<input type="text" value="Ella Gao"/>	<input type="text" value="Mantangyue Community, No. 88 Jinye Road, \"/>	<input type="text" value="04 Jul 2021"/>

### 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="0"/>
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"/>

Figure 4

Click the Create New Order button to create an order. You can see that the invoice report, cutting list report and painting report are generated according to the user input information, as shown in Figure 5.

## 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

Figure 5

- 3) To clear the forms and reports, click the Clear button to clear the forms and reports, as shown in Figure 6.

## 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 data-bbox="997 672 1342 703" 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"/>

<input type="button" value="Create New Order"/>	<input type="button" value="Clear"/>
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Figure 6

## 3 Project operation

I uploaded the project to github, the project URL is:

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

The code branch is master.

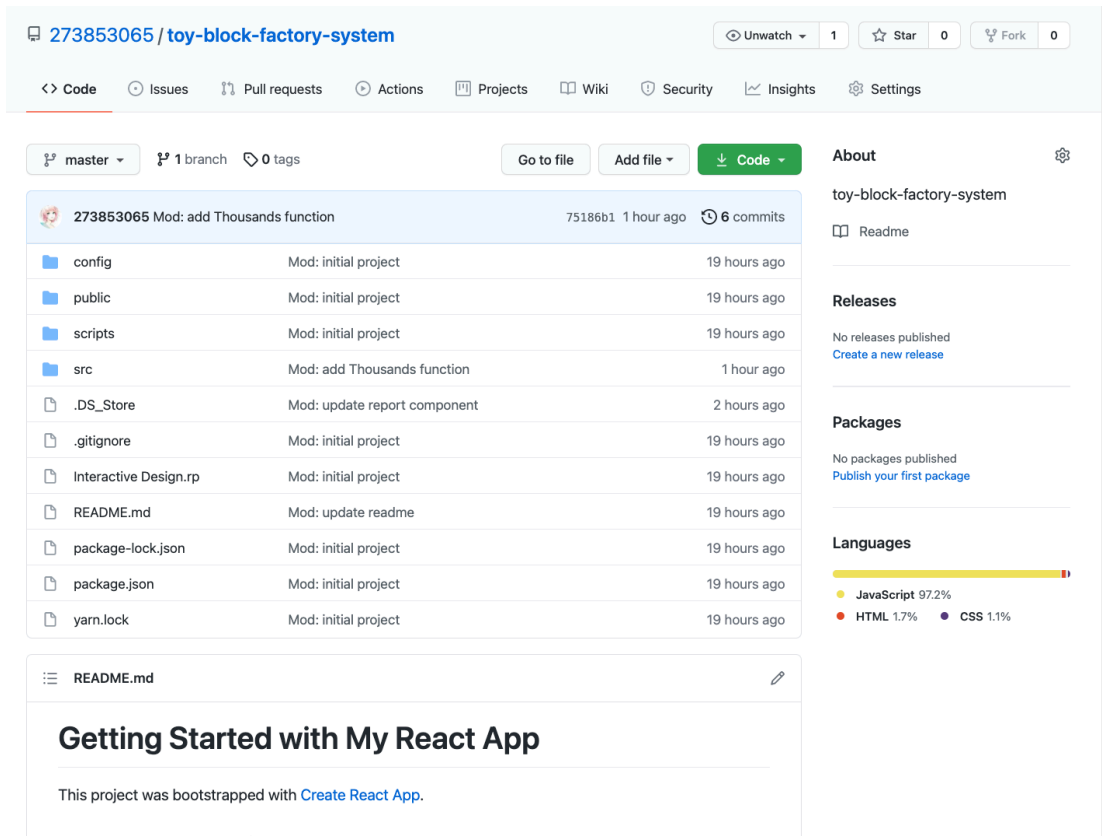


Figure 7

First download the code:

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

Download the corresponding dependency package and execute it locally:

```
npm install
```

start up:

```
yarn start
```

Start the project, <http://localhost:3000/>