

第七章:卖家支持和用户体验

学习 Bluemix 和区块链

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计划: 30 分钟的章节内容以及1到2小时的实



第一章	什么是区块链 概念和架构全览	
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几点注释

- 每次启动或者 启 、 它们会以原始的状态启动。也就是说他们在系统 没有数据。当你 行./ 或者./ 脚本时会出现这种情况。
- 本教程有一个 自动装入 功能 它作为管理员菜单的一部分 在屏幕的顶端。它会自动产生 0位成员 一个订单和 在为买家 创建新订单 流程时用到的项目文件。
- 如果你 要预先为你的系统生成数据时 你就 要用到这个命令。我们将在最后一章看看如何在这个自动装入程序 增加交易。
- 自动装入会 过网络 显示它的状态 显示在右边。

```
Zero to Blockchain Tutorial Select Language Admin Roles
connected
[6] Cloud Nine Software, Inc successfully added
[10] Software Solutions, Inc successfully added
[18] dummy shipper successfully added
[15] Fast Eddy, Inc successfully added
[11] Hybrid Cloud Designs, Inc successfully added
[14] The Education Game, Inc successfully added
[0] PC Hardware, Inc successfully added
[4] 2nd Life Systems, Inc successfully added
[1] Inovative Solutions, Inc successfully added
[9] Virtual Paper, Inc successfully added
[2] The i-Series Experts, Inc successfully added
[16] The Overnight Experts, Inc successfully added
[21] The App Store, Inc successfully added
[20] UPS Systems, Inc successfully added
[8] NonStop, Inc successfully added
[13] Kid Friendly Learning, Inc successfully added
[12] Born On The Cloud, Inc successfully added
[5] The Cognitive Advantage, Inc successfully added
[17] PC Hardware Now, Inc successfully added
[3] Cooling Systems R Us, Inc successfully added
[19] dummy provider successfully added
[7] Office Experts, Inc successfully added
[22] The Global Financier successfully added
loadTransaction: order 008 successfully added
loadTransaction: order 006 successfully added
loadTransaction: order 009 successfully added
loadTransaction: order 005 successfully added
loadTransaction: order 003 successfully added
loadTransaction: order 004 successfully added
loadTransaction: order 007 successfully added
loadTransaction: order 001 successfully added
loadTransaction: order 002 successfully added
```

订单状态

- 你可以 过我们在第五章中建立的管理界 查看系统 所有订单的状态。

Zero to Blockchain Tutorial

Select Language ▾

Admin ▾

Roles ▾

Home

Zero To Blockchain Chapter 10

Network Profile Management

API	Parameters
create Profile	profile object
delete profile	profile name
get all connection profiles	(none)
get a specific network connection profile	profile name

Business Network Management

API	Parameters
deploy a network	network archive file, options
add a new network	network archive file, options
start an installed network	network name, options
list deployed business networks	(none)
check a network's compatibility	business network name
take a business network off line	business network name
update an existing business network	business network name, archive file

Resource Management

new members of a registry	Buyer
List Assets in the registry	(none)
Add Member	Co Name, Id, Type
Remove Member	Buyer
get Member Secret	Buyer

Result

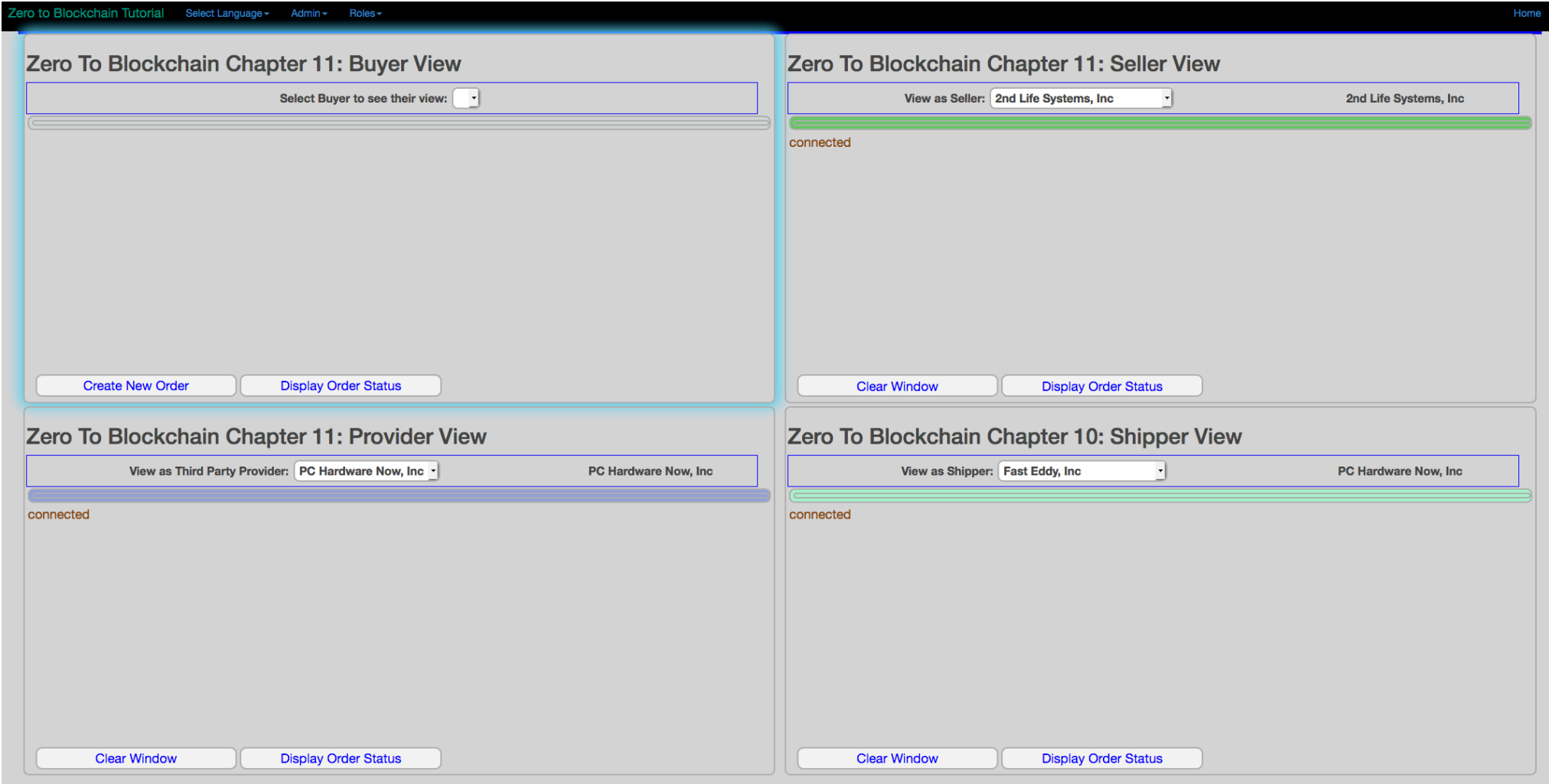
Registry List

Network update results: success

Order Number	Created	Status	Buyer/Seller	Amount
001	2017-09-25T11:59:04.793Z	Order Created	yes@softwaresolutionsinc.com	\$9125.00
002	2017-09-25T11:59:04.795Z	Order Created	yes@softwaresolutionsinc.com	\$6055.00
003	2017-09-25T11:59:04.797Z	Order Created	yes@softwaresolutionsinc.com	\$9125.00
004	2017-09-25T11:59:04.798Z	Order Created	yes@softwaresolutionsinc.com	\$6055.00
005	2017-09-25T11:59:04.799Z	Order Created	yes@softwaresolutionsinc.com	\$9125.00
006	2017-09-25T11:59:04.800Z	Order Created	yes@softwaresolutionsinc.com	\$6055.00
007	2017-09-25T11:59:04.801Z	Order Created	yes@softwaresolutionsinc.com	\$9125.00
008	2017-09-25T11:59:04.802Z	Order Created	yes@softwaresolutionsinc.com	\$6055.00
009	2017-09-25T11:59:04.803Z	Order Created	yes@softwaresolutionsinc.com	\$9125.00

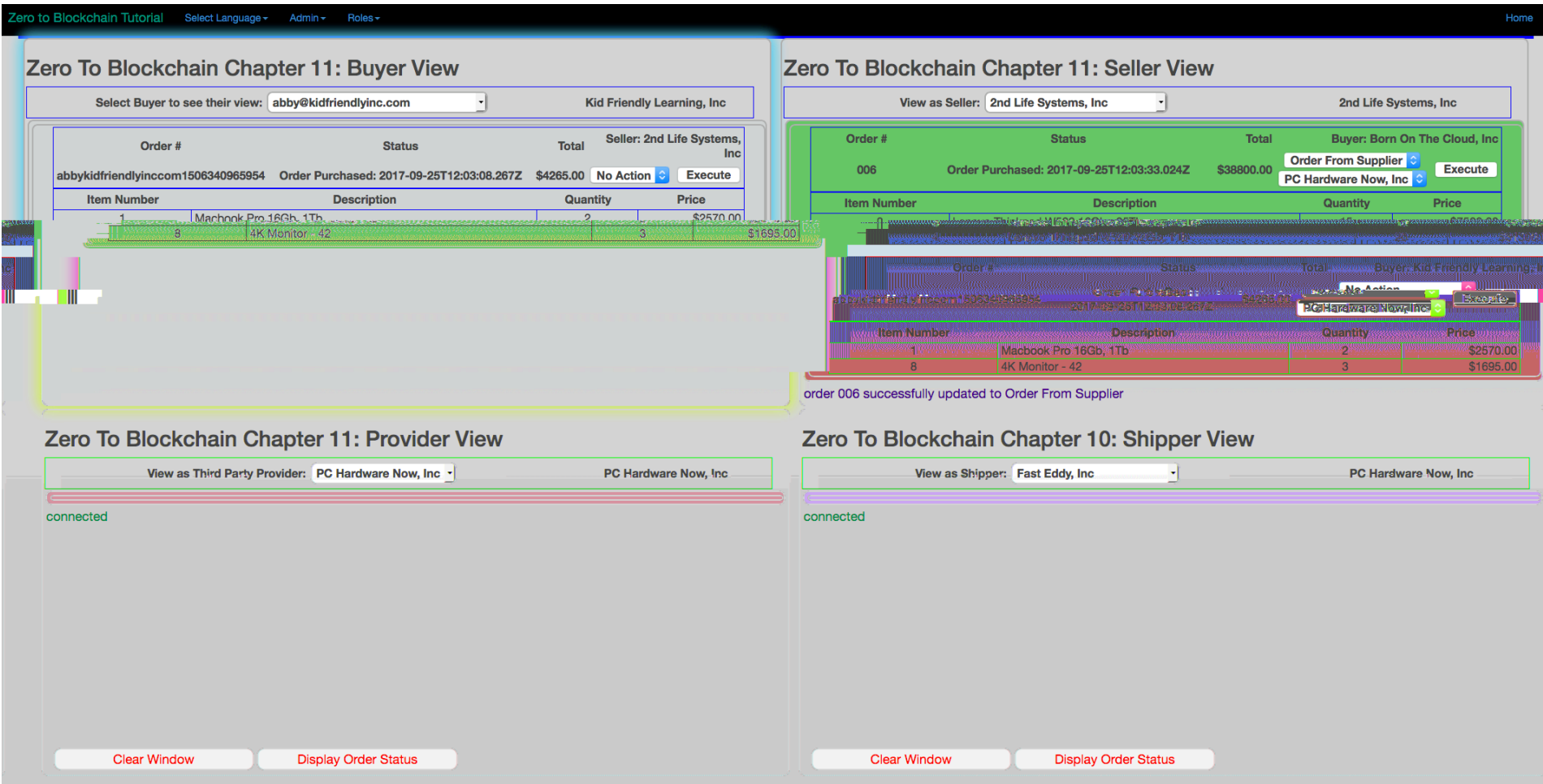
卖家视图

- 在下 的三个课程 我们将建立图中的每一块仪表盘. 今天 我们 中看看右上角 分 卖家



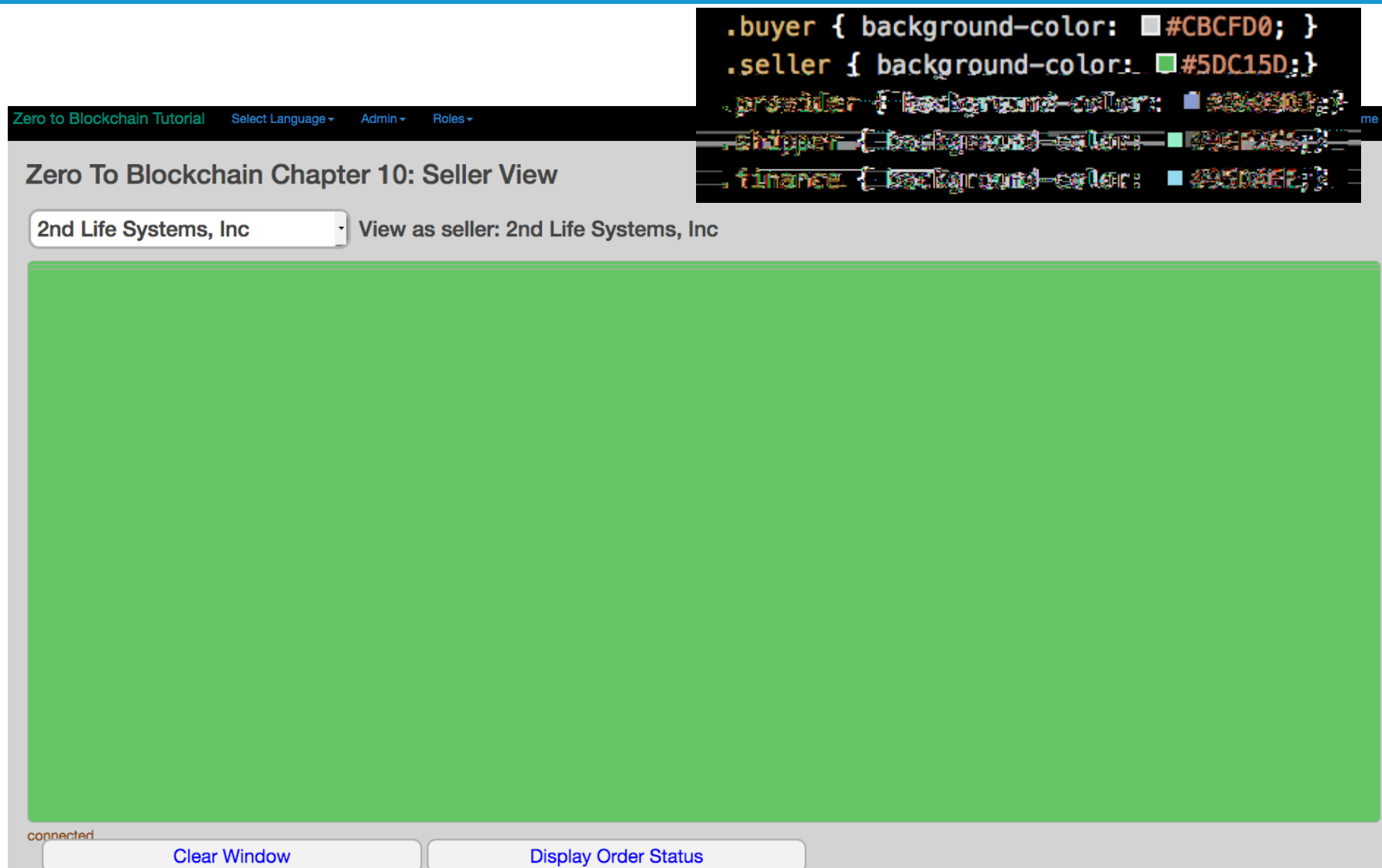
买家视图

- 在第六章 我们已经创建了买家视图 可用让我们创建订单 显示订单和选择性地更新订单状态。



背景颜色

- 你会看到卖家的背景色是绿色。你可以在指定颜色。因为四类会员角色在同一个浏览器页显示，用不同的颜色显示易于把它们区分开来。
- 我们将用在买家用户体验中使用的绝大部分代码来创建卖家用户体验。



查询文件

- 我们在上一章节建立了 . 文件 它的查询如下

```
query selectOrders {
  description: "Select all Orders"
  statement:
    SELECT org.acme.Z2BTestNetwork.Order
}
```

- 怎样做到为不同的人 and 角色使用同一个查询呢 答案是 过 定义.
- 我们为卖家做相同的事情 允许访问 缺省 卖家无法访问 和 制访问特定的交易。

```
B ACLC
  : "E B 0 "
  ( ): " . 2B N .B "
  : EAD, C EA E, PDA E
  ( ): " . 2B N .**"
  ( ): " . 2B N .C 0 "
  : ( . ID == . I ( ) )
  : ALLO

B ACLB
  : "E B 0 C B "
  ( ): " . 2B N .B "
  : EAD, C EA E, PDA E
  ( ): " . 2B N .**"
  ( ): " . 2B N .B "
  : ( . ID == . I ( ) )
  : ALLO

B ACLC
  : "E B CANCEL 0 "
  ( ): " . 2B N .B "
  : EAD, C EA E, PDA E, DELE E
  ( ): " . 2B N .**"
  ( ): " . 2B N .0 C "
  : ( . ID == . I ( ) )
  : ALLO

B ACLD
  : "E B DI P E 0 "
  ( ): " . 2B N .B "
  : EAD, C EA E, PDA E
  ( ): " . 2B N .**"
  ( ): " . 2B N .D "
  : ( . ID == . I ( ) )
```


OrderAction 函数

- 在第六章 我们创建了 函数 它可以为买家处理订单状态。
我们将扩展它的能力来支持卖家 要的功能。

买家功能

```
case 'Purchase':
  console.log('Purchase entered');
  updateOrder = factory.newTransaction(NS, 'Buy');
  updateOrder.buyer = factory.newRelationship(NS, 'Buyer', order.buyer.$identifier);
  updateOrder.seller = factory.newRelationship(NS, 'Seller', order.seller.$identifier);
  break;
// case 'Resolve':
with o console.log('Order from Supplier entered for '+order.orderNumber+ ' inbound id: '+ _userID+
  updateOrder = factory.newTransaction(NS, 'OrderFromSupplier');
  updateOrder.provider = factory.newRelationship(NS, 'Provider', req.body.provider);
  updateOrder.seller = factory.newRelationship(NS, 'Seller', order.seller.$identifier);
  break;
case 'Resolve':
  console.log('Resolve entered');
  updateOrder = factory.newTransaction(NS, 'Resolve');
  updateOrder.buyer = factory.newRelationship(NS, 'Buyer', order.buyer.$identifier);
  updateOrder.shipper = factory.newRelationship(NS, 'Shipper', order.shipper.$identifier);
  updateOrder.provider = factory.newRelationship(NS, 'Provider', order.provider.$identifier);
  updateOrder.seller = factory.newRelationship(NS, 'Seller', order.seller.$identifier);
  updateOrder.financeCo = factory.newRelationship(NS, 'FinanceCo', financeCoID);
  updateOrder.resolve = req.body.reason;
  break;
case 'Dispute':
  console.log('Dispute entered');
  updateOrder = factory.newTransaction(NS, 'Dispute');
  updateOrder.financeCo = factory.newRelationship(NS, 'FinanceCo', financeCoID);
  updateOrder.buyer = factory.newRelationship(NS, 'Buyer', order.buyer.$identifier);
  updateOrder.seller = factory.newRelationship(NS, 'Seller', order.seller.$identifier);
  updateOrder.dispute = req.body.reason;
  break;
case 'Authorize Payment':
  console.log('Authorize Payment entered');
  updateOrder = factory.newTransaction(NS, 'AuthorizePayment');
  updateOrder.buyer = factory.newRelationship(NS, 'Buyer', order.buyer.$identifier);
  updateOrder.financeCo = factory.newRelationship(NS, 'FinanceCo', financeCoID);
  break;
case 'Cancel':
  console.log('Cancel entered');
  updateOrder = factory.newTransaction(NS, 'OrderCancel');
  updateOrder.buyer = factory.newRelationship(NS, 'Buyer', order.buyer.$identifier);
  updateOrder.seller = factory.newRelationship(NS, 'Seller', order.seller.$identifier);
  break;
```

卖家功能

-
-
- (争议)
- (订单)

备注 争议解决已经在买家 分写好了 我们不要做任何事情就可 用 为什么呢

卖家视图

Zero to Blockchain Tutorial

Select Language

Admin

Roles

Home

Zero To Blockchain Chapter 10: Seller View

2nd Life Systems, Inc

View as seller: 2nd Life Systems, Inc

Order #	Status	Total	Buyer: Born On The Cloud, Inc	
006	Order Purchased: 2017-09-25T12:03:33.024Z	\$38800.00	<div>No Action</div>	<div>Execute</div>
<div>PC Hardware Now, Inc</div>				
Item Number	Description	Quantity	Price	
3	Lenovo Thinkpad W520 16Gb, .25Tb	15	\$7500.00	
4	Lenovo Thinkpad W520 32Gb, 1Tb	20	\$31300.00	

Order #	Status	Total	Buyer: Kid Friendly Learning, Inc	
abbykidfriendlyinccom1506340965954	Order Purchased: 2017-09-25T12:03:08.267Z	\$4265.00	<div>No Action</div>	<div>Execute</div>
<div>PC Hardware Now, Inc</div>				
Item Number	Description	Quantity	Price	
1	Macbook Pro 16Gb, 1Tb	2	\$2570.00	
8	4K Monitor - 42	3	\$1695.00	

connected

Clear Window

Display Order Status

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第七章	卖家支持和用户体验	
第八章	提供商支持和用户体验	
第九章	发货人支持和用户体验	
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