

Chapter 11: Combining for Demonstration

Learning Bluemix & Blockchain

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The Plan: 30 minute Chapters with an hour or two of practice

Chapter 1:	What is Blockchain? Concept and Architecture overview
Chapter 2:	What's the story we're going to build
Chapter 2.1:	Architecture for the Story
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Chapter 4:	Build and test the network
Chapter 5:	Administration User Experience
Chapter 6:	Buyer Support and User Experience
Chapter 7:	Seller Support and User Experience
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Chapter 12:	Events and Automating for Demonstration



The unified user experience

- Why build this?
- It's confusing to keep track of all the roles, or persona, in the network as we flip from screen to screen.
- So, let's put them all together.
- If we were careful building our code for these 4 roles (we were), then we should have to do very little work to create this integrated view.

The image displays a web application interface with four panels, each representing a different user role and their associated order details. The panels are arranged in a 2x2 grid, demonstrating a unified user experience across different roles.

Top Left Panel (Kid Friendly Learning, Inc. - Seller):

- Order # 1508851710076
- Status: Order Cancelled
- Total: \$2770.00
- Buyer: 2nd Life Systems, Inc.
- Reason for Resolution: no 1TB drives delivered
- Items:
 - 1 Macbook Pro 16Gb, 1Tb (\$1285.00)
 - 2 Macbook Pro 8Gb, .5Tb (\$585.00)
 - 3 Lenovo Thinkpad W520 16Gb, .25Tb (\$900.00)

Top Right Panel (2nd Life Systems, Inc. - Buyer):

- Order # 1508851710076
- Status: Order Cancelled
- Total: \$2770.00
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 - 3 Lenovo Thinkpad W520 16Gb, .25Tb (\$900.00)

Bottom Left Panel (PG Hardware Now, Inc. - Buyer):

- Order # 1508851710076
- Status: Order Cancelled
- Total: \$2770.00
- Buyer: Kid Friendly Learning, Inc.
- Reason for Resolution: no 1TB drives delivered
- Items:
 - 1 Macbook Pro 16Gb, 1Tb (\$1285.00)
 - 2 Macbook Pro 8Gb, .5Tb (\$585.00)
 - 3 Lenovo Thinkpad W520 16Gb, .25Tb (\$900.00)

Bottom Right Panel (Fast Eddy, Inc. - Buyer):

- Order # 1508851710076
- Status: Order Disputed
- Total: \$14905.00
- Buyer: Kid Friendly Learning, Inc.
- Reason for Resolution: no 1TB drives delivered
- Items:
 - 1 Macbook Pro 16Gb, 1Tb (\$1285.00)
 - 2 Macbook Pro 8Gb, .5Tb (\$585.00)

What do we have to change?

- Change and create some new CSS
 - This will put each role into a quarter page window
- Create a small HTML page with a 2x2 matrix
- Update the singleUX function to load these pages along with loading all the member information



CSS

- Create 2 new CSS classes:
 - halfPane (top row)
 - halfPane2 (bottom row)

```
.halfPane{  
    position: absolute;  
    height: 40%;  
    margin: .0625em;  
    width: 48%;  
    overflow: hidden;  
}  
  
.halfPane2{  
    position: absolute;  
    height: 40%;  
    margin: .0625em;  
    top: 50%;  
    width: 48%;  
    overflow: hidden;  
}
```



HTML

- Create a little HTML file

```
<div>
  <div>
    <table width='100%'>
      <tr width='100%'>
        <td width='50%'><div class="showfocus halfPane" id="buyerbody">(buyer view)</div></td>
        <td width='50%'><div class="showfocus halfPane" id="sellerbody">(seller view)</div></td>
      </tr>
    </table>
  </div>
  <div>
    <table width='100%'>
      <tr width='100%'>
        <td width='50%'><div class="showfocus halfPane2" id="providerbody">(provider view)</div></td>
        <td width='50%'><div class="showfocus halfPane2" id="shipperbody">(shipper view)</div></td>
      </tr>
    </table>
  </div>
  <div id="messages"></div>
</div>
```



Update singleUX function

- Add 4 function calls, one for each role we will display on the unified page.

```
function singleUX ()
{
    var toLoad = 'singleUX.html';
    var options = {};
    options.registry = 'Seller';
    var options2 = {};
    options2.registry = 'Buyer';
    var options3 = {};
    options3.registry = 'Provider';
    var options4 = {};
    options4.registry = 'Shipper';
    $.when($.get(toLoad), $.post('/composer/admin/
        $.post('/composer/admin/getMembers', op
    {
        buyers = _buyers[0].members;
        sellers = _sellers[0].members;
        s_string = _getMembers(sellers);
        providers = _providers[0].members
        p_string = _getMembers(providers);
        shippers = _shippers[0].members
        sh_string = _getMembers(shippers);
        $("#body").empty();
        $("#body").append(_page[0]);
        loadBuyerUX();
        loadSellerUX();
        loadProviderUX();
        loadShipperUX();
    });
}
```



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