

# 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
Chapter 3:	Set up local HyperLedger V1 development environment
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
Chapter 8:	Shipper Support and User Experience
Chapter 9:	Provider 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 complex web application interface designed to provide a unified user experience across multiple roles. It features four overlapping panels, each representing a different user persona:

- Top Left Panel (Seller: Kid Friendly Learning, Inc.):** Shows an order with status "Order Cancelled" and a total of \$2770.00. The order items include a Macbook Pro 16Gb, 1Tb (\$1285.00), a Macbook Pro 8Gb, 5Tb (\$585.00), and a Lenovo Thinkpad W520 16Gb, 25Tb (\$900.00).
- Top Right Panel (Buyer: Kid Friendly Learning, Inc.):** Shows an order with status "Order Disputed" and a total of \$14905.00. The order items include a Macbook Pro 16Gb, 1Tb (\$1285.00), a Macbook Pro 8Gb, 5Tb (\$585.00), and a Lenovo Thinkpad W520 16Gb, 25Tb (\$900.00).
- Bottom Left Panel (Seller: 2nd Life Systems, Inc.):** Shows an order with status "Order Disputed" and a total of \$14905.00. The order items include a Macbook Pro 16Gb, 1Tb (\$1285.00), a Macbook Pro 8Gb, 5Tb (\$585.00), and a Lenovo Thinkpad W520 16Gb, 25Tb (\$900.00).
- Bottom Right Panel (Buyer: Kid Friendly Learning, Inc.):** Shows an order with status "Payment Approved" and a total of \$5895.00. The order items include a Macbook Pro 16Gb, 1Tb (\$1285.00), a Macbook Pro 8Gb, 5Tb (\$585.00), and a Lenovo Thinkpad W520 16Gb, 25Tb (\$900.00).

Each panel includes a "Take No Action" button and a "Display Order Status" button. The application is titled "Go to Blockchain Tutorial" and "Select Language".

# 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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# Chapter 12: Events and Automating for Demonstration

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