# 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
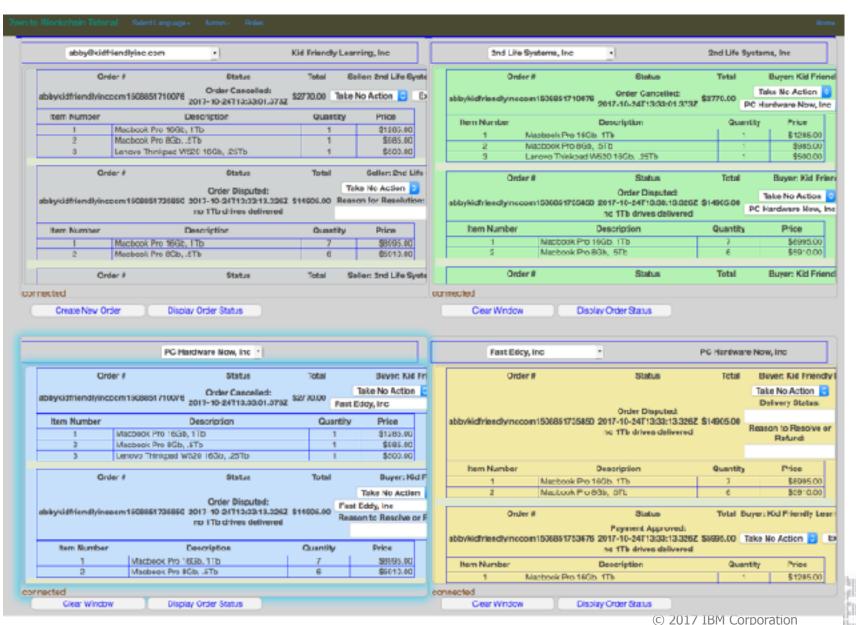Chapter 9:      Provider Support and User Experience
Chapter 10:     Finance Company Support and User Experience
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Chapter 12:     Events and Automating for Demonstration

# 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.

# 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)

```css
.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

```html
<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.

```javascript
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/adm:
      $.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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