Chapter 10: Finance Company Support and User Experience

Learning Bluemix & Blockchain

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales David Smits, Senior Certified Architect, IBM Blockchain



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

Chapter 11: Combining for Demonstration

Chapter 12: Events and Automating for Demonstration

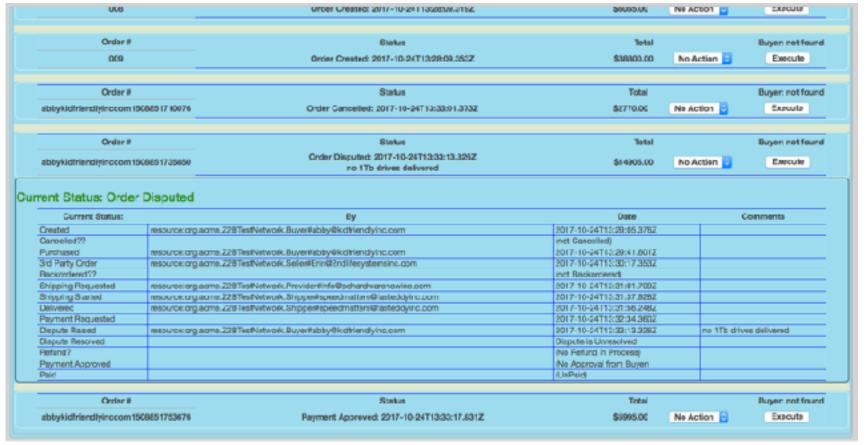
Finance Company View

 Display a simple list of all orders in the network



Show order details on request

- Expand any order to show it's history upon request
- This uses a CSS
 `accordian' action to open
 the detail when the order
 # is clicked and to close
 the detail when either the
 detail window or an order
 number is clicked.



CSS for Accordion

- The magic of the accordion is accomplished through the combination of the acc_body class and either the on or off class.
 - acc_body + on displays the detail window
 - acc_body + off hides the detail window

```
.acc_header.on {
    color: □#000000; border: .125em solid □#298A08; font-size: 1.25em; text-align: center; font-style: bold;
}
.acc_body.on {
    color: □#298A08; border: .125em solid □#000000; visibility: visible;
}
.acc_header.off {
    color: □#000000; border: .125em solid ■#E0F8E0; font-size: lem; text-align: center; font-style: bold;
}
.acc_body.off {
    color: □#A4A4A4; border: .125em solid ■#E0F8E0; visibility: hidden; height: 0;
}
```

javascript for Accordion

- This uses two routines:
 - accToggle activates or deactivates the current accordion. In our case, that means that this routine is invoked every time an order number is clicked to open the related detail window. It's also invoked when an open detail window is clicked.
 - But what happens when a detail window is opened and a different order number is clicked? The invoked behavior is to close the currency opened detail window. This is accomplished via the accOff function.

```
function accToggle(_parent, _body, _header)
  var parent = "#"+_parent;
     body="#"+_body;
  var header = _header;
  if ($(body).hasClass("on"))
    {$(body).removeClass("on"); $(body).addClass("off");
    $(parent).removeClass("on"); $(parent).addClass("off");
    }else
    accOff(parent);
    $(body).removeClass("off"); $(body).addClass("on");
    $(parent).removeClass("off"); $(parent).addClass("on");
function accOff(target)
  var thisElement = $(target);
  var childNodes = thisElement.children();
  for (each in childNodes)
    {var node = "#"+childNodes[each].id;
      if (node != '#')
        if($(node).hasClass("on")) {$(node).removeClass("on");}
        $(node).addClass("off");
```

FinanceCo HTML

 As with the other user experience files, all text is abstracted to the prompts.json file and populated based on the selected language.

FinanceCo javascript

■ The magic of the accordion is accomplished here, at the end of the financeCo.js file. Two key lines have been added which invoke the accToggle function.

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

Chapter 11: Combining for Demonstration

Chapter 12: Events and Automating for Demonstration

Chapter 11: Combining for Demonstration

Learning Bluemix & Blockchain

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales David Smits, Senior Certified Architect, IBM Blockchain

