

ZeroToBlockchain Chapter 6: Building the Buyer User Experience

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In this chapter, we will create the Buyer Company view and add server-side services to support it. This runs on HyperLedger Fabric Version 1.0. The code that we will write is managed in this chapter and all the subsequent chapters in the following folder structure:

```
Chapter 06
└─ controller
  └─ restapi
    router.js
    └─ features
      └─ composer
        autoLoad.js
        hlcAdmin.js
        hlcClient.js
        queryBlockChain.js
        Z2B_Services.js
        Z2B_Uutilities.js
      └─ text
        multi-lingual.js
        resources.js
  └─ HTML
    index.html
    admin.html
    buyer.html
    ceateConnectionProfile.html
    createMember.html
    createOrder.html
    deleteConnectionProfile.html
    getMemberSecret.html
```

```
removeMember.html
└─CSS
    pageStyles.css
└─js
    z2b-admin.js
    z2b-buyer.js
    z2b-events.js
    z2b-initiate.js
    z2b-utilities.js
└─ network
    permissions.acl
    queries.qry
    └─lib
        sample.js
    └─models
        base.cto
        events.cto
        sample.cto
```

Four new files are introduced in this chapter and one existing file is updated:

Files used in this chapter

Web Server Code Unique to this Chapter

- **hlcClient.js**
 - This contains all code to support the buyer interface on the server side

Defining the business network

- **network/permissions.acl**
 - This file is ***updated*** to allow the buyer to access Orders and to execute selected transactions.
 - It determines precisely what transactions a member can

execute and what assets a member can see. The basic rule is "If authority is not specifically granted in this file, then access is denied."

Web Browser Code

- **z2b-buyer.js**
 - This file contains all of the browser functional code to support the buyer user experience
- **buyer.html**
 - This contains the HTML framework for the buyer experience. Content for this framework is generated by the functions in the z2b-buyer.js file
 - Text on this page is determined by the selected language (default is US English)
- **createOrder.html**
 - Contains the HTML framework to manage buyer order creation. Content for this framework is generated by the functions in the z2b-buyer.js file
 - Text on this page is determined by the selected language