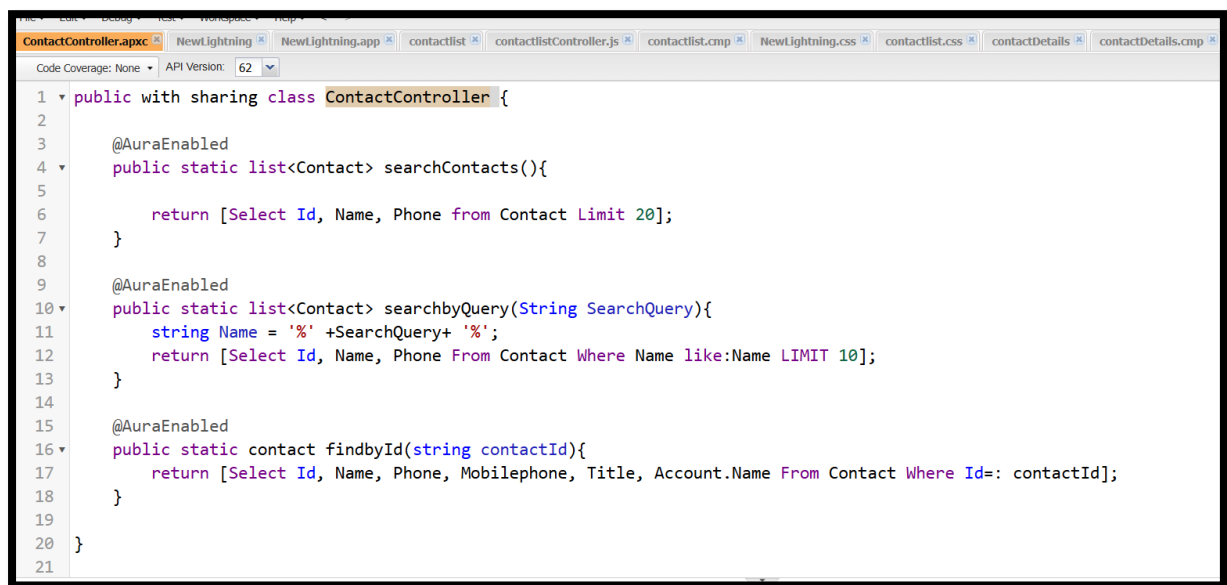


Contact Management System Project

I am going to paste the screenshots of all the classes, components, javascript, etc which I did hands on.

ContactController Apex Class



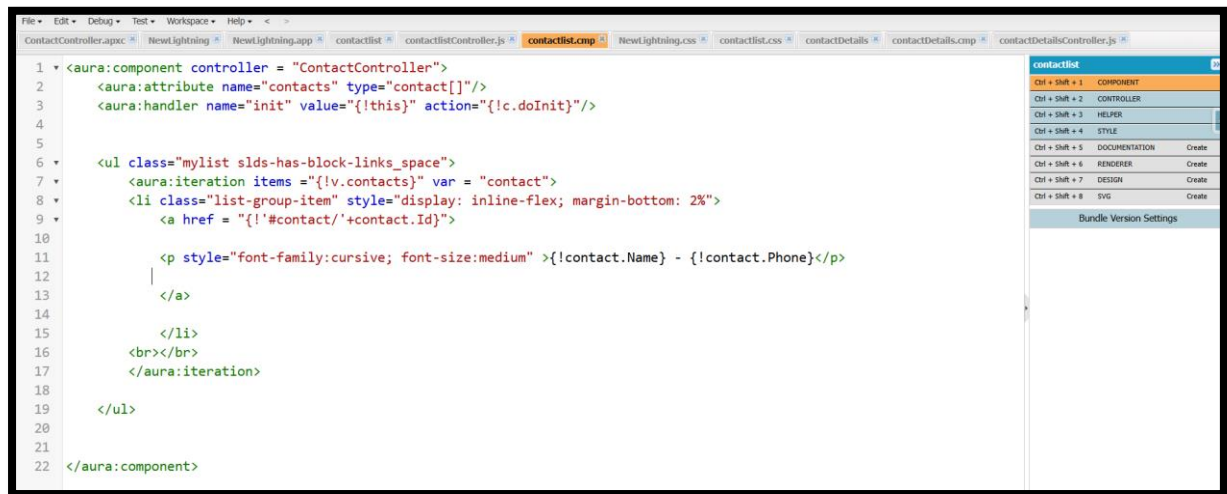
```
1 public with sharing class ContactController {
2
3     @AuraEnabled
4     public static list<Contact> searchContacts(){
5
6         return [Select Id, Name, Phone from Contact Limit 20];
7     }
8
9     @AuraEnabled
10    public static list<Contact> searchbyQuery(String SearchQuery){
11        string Name = '%' + SearchQuery + '%';
12        return [Select Id, Name, Phone From Contact Where Name like:Name LIMIT 10];
13    }
14
15    @AuraEnabled
16    public static contact findbyId(string contactId){
17        return [Select Id, Name, Phone, Mobilephone, Title, Account.Name From Contact Where Id=: contactId];
18    }
19
20 }
21
```

New Lightning App



```
1 <aura:application extends= "force:slds">
2     <link href = '/resource/Bootstrap/' rel = "stylesheet"/>
3     <div class = "navbar navbar-default navbar-static-top" role = "navigation">
4     <div class = "container">
5         <div class = "navbar-header">
6             <a style="font-size: x-large;font-weight: 600;margin-left:10px" href = "%" class = "navbar-brand"> Lightning Co
7         </div>
8     </div>
9     <br> </br>
10    <div class = "container">
11    <div class = "row">
12    <div>
13    <c:contactDetails/>
14    </div>
15    <br></br>
16    <div class = "col-sm-12">
17    <p style="margin-left:20px;font-size: x-large;color:green;font-size:Bold">Contact List</p>
18    <br></br>
19    <c:contactlist/>
20    </div>
21    </div>
22    </div>
23    </div>
24 </aura:application>
```

contactList Component:



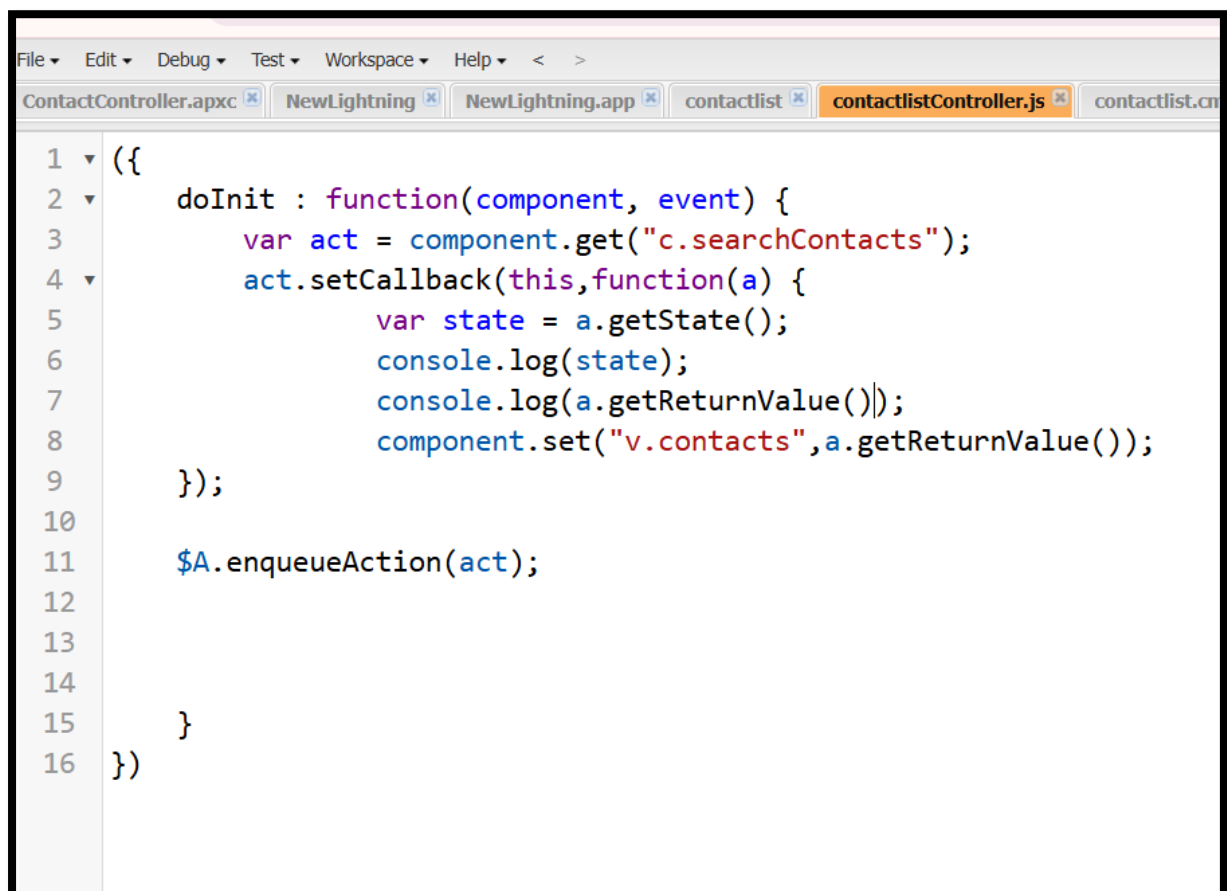
```
1 <aura:component controller = "ContactController">
2   <aura:attribute name="contacts" type="contact[]"/>
3   <aura:handler name="init" value="{!this}" action="{!c.doInit}"/>
4
5
6   <ul class="mylist slds-has-block-links_space">
7     <aura:iteration items="{!v.contacts}" var = "contact">
8       <li class="list-group-item" style="display: inline-flex; margin-bottom: 2%">
9         <a href = "{!'#contact/' + contact.Id}">
10
11           <p style="font-family:cursive; font-size:medium">{!contact.Name} - {!contact.Phone}</p>
12         </a>
13       </li>
14     </aura:iteration>
15   </ul>
16
17 </aura:component>
```

The sidebar on the right shows a component hierarchy for 'contactlist':

- Ctrl + Shift + 1 COMPONENT
- Ctrl + Shift + 2 CONTROLLER
- Ctrl + Shift + 3 HELPER
- Ctrl + Shift + 4 STYLE
- Ctrl + Shift + 5 DOCUMENTATION Create
- Ctrl + Shift + 6 REGENERATE Create
- Ctrl + Shift + 7 DESIGN Create
- Ctrl + Shift + 8 SVG Create

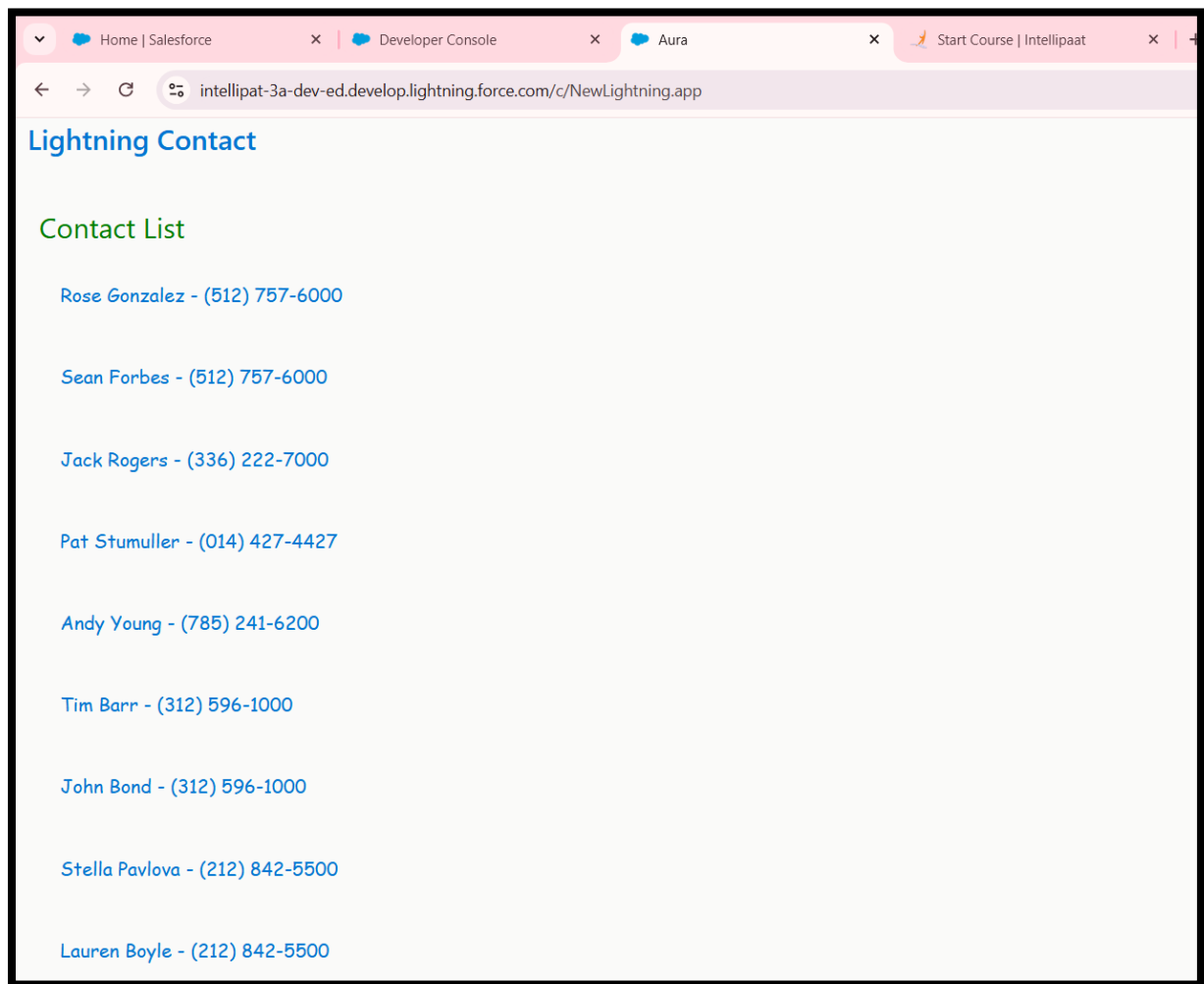
Below the hierarchy is a 'Bundle Version Settings' section.

contactListController.Js:



```
1 ({
2   doInit : function(component, event) {
3     var act = component.get("c.searchContacts");
4     act.setCallback(this,function(a) {
5       var state = a.getState();
6       console.log(state);
7       console.log(a.getReturnValue());
8       component.set("v.contacts",a.getReturnValue());
9     });
10
11     $A.enqueueAction(act);
12
13
14
15   }
16 })
```

Output till now:



Now after that we will fetch the records of the contact mentioned whenever we will click.

contactDetails Component:

```
File Edit Debug Test Workspace Help < >
ContactController.apxc NewLightning NewLightning.app contactlist contactlistController.js contactlist.cmp NewLightning.css contactlist.css c

1 <aura:component controller = "ContactController">
2   <aura:attribute name = "contact" type="contact" default="{!sObjectType:'Contact'}"/>
3   <aura:handler event = "aura:locationChange" action="{!c.locationChange}"/>
4
5   <div class="Details" style="margin-left: 20px">
6
7       <h1 style="font-family:bold; font-size:30px">{!v.contact.Name}</h1>
8       <h3 style="font-family:bold; font-size:20px">{!v.contact.Account.Name}</h3>
9       <h3 style="font-family:bold; font-size:20px">{!v.contact.Title}</h3>
10      <h3 style="font-family:bold; font-size:20px">{!v.contact.Phone}</h3>
11
12  </div>
13
14 </aura:component>
15
16
```

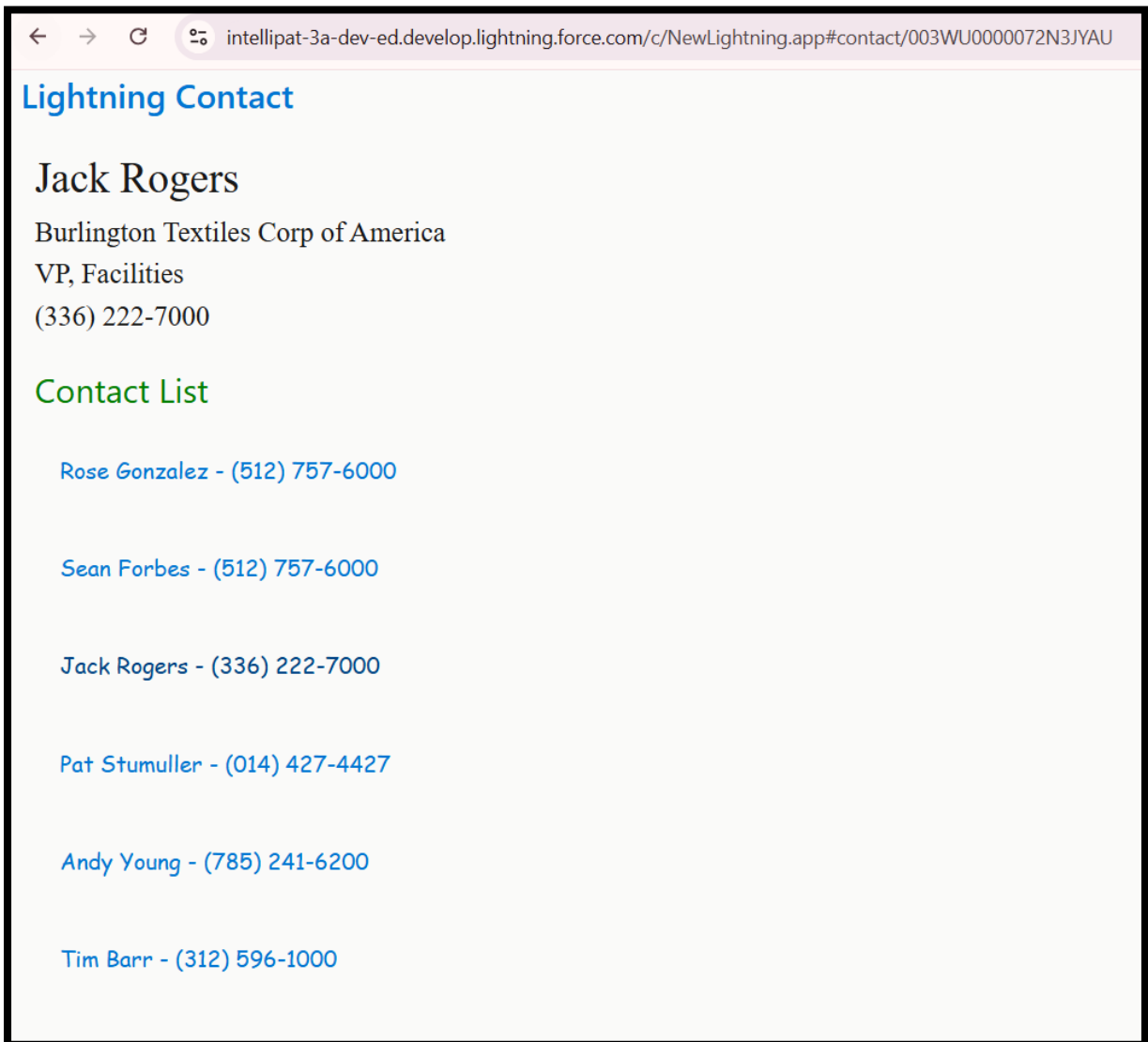
ContactDetailsController.Js:

```
File Edit Debug Test Workspace Help < >
ContactController.apxc NewLightning NewLightning.app contactlist contactlistController.js contactlist.cmp NewLightning.css contactlist.css contactDetails contactDetails.cmp contactDetailsController.js

1 ({
2   locationChange: function (component, event, helper) {
3     // Retrieve the token
4     var token = event.getParam("token"); // Use getParam instead of getParams
5
6     // Ensure the token is a string
7     if (typeof token === "string" && token.indexOf('contact/') === 0) {
8       // Extract the contactId
9       var contactId = token.substring(token.indexOf('/') + 1);
10
11       // Call the Apex method
12       var action = component.get("c.findbyId");
13       action.setParams({ "contactId": contactId });
14
15       // Set the callback for the action
16       action.setCallback(this, function (a) {
17         component.set("v.contact", a.getReturnValue());
18       });
19
20       // Enqueue the action
21       $A.enqueueAction(action);
22     } else {
23       console.error("Invalid token or token type:", token);
24     }
25   }
26 });
```

contactDetails		
Ctrl + Shift + 1	COMPONENT	On
Ctrl + Shift + 2	CONTROLLER	On
Ctrl + Shift + 3	HELPER	On
Ctrl + Shift + 4	STYLE	On
Ctrl + Shift + 5	DOCUMENTATION	On
Ctrl + Shift + 6	RENDERER	On
Ctrl + Shift + 7	DESIGN	On
Ctrl + Shift + 8	SVG	On
Bundle Version Settings		

Output:



The screenshot shows a web browser window with the address bar displaying the URL: `intellipat-3a-dev-ed.develop.lightning.force.com/c/NewLightning.app#contact/003WU0000072N3JYAU`. The page content is as follows:

Lightning Contact

Jack Rogers
Burlington Textiles Corp of America
VP, Facilities
(336) 222-7000

Contact List

- Rose Gonzalez - (512) 757-6000
- Sean Forbes - (512) 757-6000
- Jack Rogers - (336) 222-7000
- Pat Stumuller - (014) 427-4427
- Andy Young - (785) 241-6200
- Tim Barr - (312) 596-1000

Lightning Contact

Tim Barr

Grand Hotels & Resorts Ltd
SVP, Administration and Finance
(312) 596-1000

Contact List

[Rose Gonzalez - \(512\) 757-6000](#)

[Sean Forbes - \(512\) 757-6000](#)

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