day92-sol-real-estate-starter4

늘 태그	
■ 날짜	@2023년 2월 7일

app.js 코드 수정

```
App = {
 web3Provider: null.
  contracts: {},
  init: function() {
      //제이쿼리 제이슨 가져오고
      \verb§\$.getJSON('.../real-estate.json',function(data)\{
           var list = $('#list');
           //템플릿 아이디
           var template = $('#template');
            for(i = 0; i < data.length; i++){
               //템플릿에 이미지 태그에 src 그림파일위치 넣어주기
               template.find('img').attr('src',data[i].picture);
               template.find('.id').text(data[i].id);
template.find('.type').text(data[i].type);
template.find('.area').text(data[i].area);
               template.find('.price').text(data[i].price);
               list.append(template.html());
           3
      return App.initWeb3();
  initWeb3: function() {
        if(typeof web3 !== "undefined"){
            App.web3Provider = web3.currentProvider:
             web3 = new Web3(web3.currentProvider);
          App.web3Provider = new web3.providers.HttpProvider('http://localhost:8545');
          web3 = new Web3(App.web3Provider);
        return App.initContract();
  initContract: function() {
       $.getJSON('realEstate.json',function(data){
         App.contracts.RealEstate = TruffleContract(data);
         App.contracts.RealEstate.setProvider(App.web3Provider);
         return App.loadRealEstates();
  buyRealEstate: function() {
     var id = $('#id').val();
var name = $('#name').val();
var price = $('#price').val();
     var age = $('#age').val();
     web3.eth.getAccounts(function(error,accounts){
          if(error){
            console.log(error);
           var account = accounts[0];
          App.contracts.RealEstate.deployed().then(function(instance){
             return instance.buyRealEstate(id, name, age, {from:account, vlaue:price});
        }).then(function(){
           $('#name').val('');
$('#age').val('');
$('#buyModal').modal('hide');
            return App.loadRealEstates();
        }).catch(function(err){
            console.log(err.message);
     });
```

```
$('#name').val('');
    $('#age').val('');
  loadRealEstates: function() {
    App.contracts.RealEstate.deployed().then(function(instance)\{
      console.log(instance.getAllBuyers.call());
      return instance.getAllBuyers.call();
    }).then(function(buyers){
       for(i=0: i<buvers.length: i++){</pre>
          var imgType = $('.panel-body').eq(i).find('img').attr('src').substr(7);
              console.log(imgType);
              switch(imgType){
                case 'apartment.jpg':
                   $('.panel-body').eq(i).find('img').attr('src','images/apartment_sold.jpg');
                  break;
                case 'townhouse.jpg':
                  ('.panel-body').eq(i).find('img').attr('src','images/townhouse\_sold.jpg');
                  break;
                case 'house.jpg':
    $('.panel-body').eq(i).find('img').attr('src','images/house_sold.jpg');
                  break;
              $('.panel-body').eq(i).find('.btn-buy').text('매각').attr('disabled',true);
              $('.panel-body').eq(i).find('.btn-buyerInfo').removeAttr('style');
    }).catch(function(err){
      console.log(err.message);
    })
  listenToEvents: function() {
}
};
$(function() {
  $(window).load(function() {
    App.init();
  });
  $('#buyModal').on('show.bs.modal',function(e){
       var id = $(e.relatedTarget).parent().find('.id').text();
       // var price = web3.utils.toWei($(e.relatedTarget).parent().find('.price').text(),"ether");
      // var price = web3.utils.toWei('1', 'ether');
       var price = web3.toWei(parseFloat($(e.relatedTarget).parent().find('.price').text()),"ether");
       $(e.currentTarget).find('#id').val(id);
       $(e.currentTarget).find('#price').val(price);
  })
  $('#buyerInfoModal').on('show.bs.modal',function(e){
      var id = $(e.relatedTarget).parent().find('.id').text();
      {\tt App.contracts.RealEstate.deployed().then(function(instance)\{}
        return instance.getBuyerInfo.call(id);
      }).then(function(buyerInfo){
            $(e.currentTarget).find("#buyerAddress").text(buyerInfo[0]);
$(e.currentTarget).find("#buyerName").text(buyerInfo[1]);
            $(e.currentTarget).find("#buyerAge").text(buyerInfo[2]);
      }).catch(function(err){
        console.log(err.message);
      })
})
});
```

index.html 수정

```
<!DOCTYPE html>
<html lang="en">
  <head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
   <title>이더리움 부동산</title>
   <!-- Bootstrap -->
   k href="css/bootstrap.min.css" rel="stylesheet">
   <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
   <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
   <!--[if lt IE 9]>
       <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
       <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
   <![endif]-->
</head>
<body>
   <div class="container">
       <div class="row">
           <div class="col-xs-12 col-sm-8 col-sm-push-2">
              <h1 class="text-center">이더리움 부동산</h1>
              <hr/>
               <br/>
           </div>
        </div>
       <div class="row" id="list">
           <!-- 매물 리스트 -->
       </div>
   </div>
   <div id = "template" style="display: none;">
               <div class="col-sm-6 col-md-4 col-lg-3">
                       <div class="panel panel-success panel-realEstate">
                            <div class="panel-heading">
                                  <h3 class="panel-title" >매물</h3>
                             </div>
                       </div>
                       <div class="panel-body">
                               <img style="width: 100%;" src="">
                               <hr/><hr/>
                               <strong>아이디</strong> : <span class="id"></span><br/><strong>종류</strong> : <span class="type"></span><br/>>
                               <strong>면적(m2)</strong> : <span class="area"></span><br/>br/>
                               <strong>가격(ETH)</strong> : <span class="price"></span><br/>br/>
                               <button class="btn btn-info btn-buy"</pre>
                                             type="button"
                                             data-toggle="modal"
                                             data-target="#buyModal">
                                           매입
                               </button>
                               <button class="btn btn-info btn-buyerInfo"</pre>
                                   type="button"
                                   data-toggle="modal"
                                   data-target="#buyerInfoModal"
                                   style="display: none;">
                                      매입자 정보
                               </button>
                       </div>
               </div
   </div>
   <div class="modal fade" tabindex="-1" role="dialog" id = "buyModal">
        <div class="modal-dialog">
           <div class="modal-content">
               <div class="modal-header">
                   < button type="button" class="close" data-dismiss="modal" aria-label="Close" > span aria-hidden="true" > \&times; </ span > span aria-hidden="true" > \&times; </ span > span | s
                   <h4 class="modal-title">매입자 정보</h4>
               </div>
               <div class="modal-body">
                       <input type="hidden" id="id" />
                       <input type="hidden" id="price" />
                       <input type="text" class="form-control" id="name" placeholder="이름" /><br/>
                       <input type="number" class="form-control" id="age" placeholder="나이" />
               </div>
               <div class="modal-footer">
                  <button type="button" class="btn btn-default" data-dismiss="modal">닫기</button>
                   <button type="button" class="btn btn-primary" onclick="App.buyRealEstate(); return false;">M̄<pre
               </div>
            </div><!-- /.modal-content -->
        </div><!-- /.modal-dialog -->
   </div><!-- /.modal -->
   <div class="modal fade" tabindex="-1" role="dialog" id = "buyInfoModal">
        <div class="modal-dialog">
           <div class="modal-content">
               <div class="modal-header">
                   < button type="button" class="close" data-dismiss="modal" aria-label="Close">< span aria-hidden="true">& times; </ span></ button type="button" class="close" data-dismiss="modal" aria-label="Close">< span aria-hidden="true">& times; </ span></ button type="button" class="close" data-dismiss="modal" aria-label="Close">< span aria-hidden="true">& times; </ span></ button type="button" class="close" data-dismiss="modal" aria-label="close">< span aria-hidden="true">& times; </ span></ button type="button" class="close" data-dismiss="modal" aria-label="close">< span aria-hidden="true">& times; </ span></ span>
                   <h4 class="modal-title">매입자 정보</h4>
               </div>
               <div class="modal-body">
                       <strong> 계정주소 </strong> : <span id="buverAddress"></span> > <br/>
```

```
<strong> 이름 </strong> : <span id="buyerName"></span> > <br/>
              <strong> 나이 </strong> : <span id="buyerAge"></span> > <br/>
         </div>
         <div class="modal-footer">
           <br/>
<br/>
<br/>
data-dismiss="modal">닫기</button>
            <button type="button" class="btn btn-primary" onclick="App.buyRealEstate(); return false;">제출</button>
         </div>
       </div><!-- /.modal-content -->
   </div><!-- /.modal-dialog -->
</div><!-- /.modal -->
    <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
    <!-- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
    <script src="js/web3.min.js"></script>
    <script src="js/truffle-contract.js"></script>
    <script src="js/app.js"></script>
    <script src="js/utf8.js"></script>
  </body>
</html>
```

- · truffle migrate --network ganache
- npm run dev

app.js수정

```
App = {
 web3Provider: null,
 contracts: {},
 init: function() {
      //제이쿼리 제이슨 가져오고
      $.getJSON('../real-estate.json',function(data){
           var list = $('#list');
//템플릿 아이디
           var template = $('#template');
            for(i = 0; i < data.length; <math>i++){
               //템플릿에 이미지 태그에 src 그림파일위치 넣어주기
               template.find('img').attr('src',data[i].picture);
               template.find('.id').text(data[i].id);
               template.find('.type').text(data[i].type);
template.find('.area').text(data[i].area);
               template.find('.price').text(data[i].price);
               list.append(template.html());
      })
      return App.initWeb3();
 },
  initWeb3: function() {
        if(typeof web3 !== "undefined"){
            App.web3Provider = web3.currentProvider;
            web3 = new Web3(web3.currentProvider);
        }else{
          App.web3Provider = new web3.providers.HttpProvider('http://localhost:8545');
          web3 = new Web3(App.web3Provider);
        return App.initContract();
 },
  initContract: function() {
       $.getJSON('realEstate.json',function(data){
   App.contracts.RealEstate = TruffleContract(data);
         App.contracts.RealEstate.setProvider(App.web3Provider);
         App.listenToEvents();
       })
  buyRealEstate: function() {
     var id = $('#id').val();
     var name = $('#name').val();
     var price = $('#price').val();
```

```
var age = $('#age').val();
     web3.eth.getAccounts(function(error,accounts){
         if(error){
           console.log(error):
          var account = accounts[0];
          {\tt App.contracts.RealEstate.deployed().then(function(instance)\{}
            return instance.buyRealEstate(id, name, age, {from:account, vlaue:price});
        }).then(function(){
    $('#name').val('');
          $('#age').val('');
          $('#buyModal').modal('hide');
        }).catch(function(err){
          console.log(err.message);
        });
     });
    $('#name').val('');
    $('#age').val('');
  loadRealEstates: function() {
    App.contracts.RealEstate.deployed().then(function(instance)\{
      {\tt console.log(instance.getAllBuyers.call());}
      return instance.getAllBuyers.call();
    }).then(function(buyers){
       for(i=0; i<buyers.length; i++){</pre>
          var imgType = $('.panel-body').eq(i).find('img').attr('src').substr(7);
              console.log(imgType);
              switch(imgType){
               case 'apartment.jpg':
                  $('.panel-body').eq(i).find('img').attr('src','images/apartment_sold.jpg');
                  break;
                case 'townhouse.jpg':
                 $('.panel-body').eq(i).find('img').attr('src','images/townhouse_sold.jpg');
                 break:
               case 'house.jpg':
                 $('.panel-body').eq(i).find('img').attr('src', 'images/house_sold.jpg');
                 break;
              $('.panel-body').eq(i).find('.btn-buy').text('매각').attr('disabled',true);
             ('.panel-body').eq(i).find('.btn-buyerInfo').removeAttr('style');
         }
    }).catch(function(err){
      console.log(err.message);
   })
  },
  listenToEvents: function() {
      App.contracts.RealEstate.deployed().then(function(instance){
        instance.LogBuyRealEstate({},{fromBlock:0,toBlock:'latest'}).watch(function(error,event){
            if(!error){
             $('#events').append(''+event.args._buyer + ' 계정에서 ' + event.args._id+ ' 번 매물을 매입했습니다.' + ' ');
            }else{
             console.error(error);
           App.loadRealEstates();
       })
     })
};
$(function() {
  $(window).load(function() {
    App.init();
  ('\#buyModal').on('show.bs.modal',function(e){}
       var id = $(e.relatedTarget).parent().find('.id').text();
       // var price = web3.utils.toWei($(e.relatedTarget).parent().find('.price').text(),"ether");
      // var price = web3.utils.toWei('1', 'ether');
       var price = web3.toWei(parseFloat($(e.relatedTarget).parent().find('.price').text()), "ether");
       $(e.currentTarget).find('#id').val(id);
       $(e.currentTarget).find('#price').val(price);
```

index.html 수정

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
    <title>이더리움 부동산</title>
    <!-- Bootstrap -->
    <link href="css/bootstrap.min.css" rel="stylesheet">
    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
      <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
      <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
  </head>
    <div class="container">
      <div class="row">
        <div class="col-xs-12 col-sm-8 col-sm-push-2">
          <h1 class="text-center">이더리움 부동산</h1>
          <hr/>
          <br/>
        </div>
      </div>
      <div id="events"></div>
      <div class="row" id="list">
       <!-- 매물 리스트 -->
      </div>
    </div>
    <div id = "template" style="display: none;">
          <div class="col-sm-6 col-md-4 col-lg-3">
              <div class="panel panel-success panel-realEstate">
                 <div class="panel-heading">
                    <h3 class="panel-title" >매물</h3>
                 </div>
              </div>
              <div class="panel-body">
                  <img style="width: 100%;" src="">
                  <br/><br/>
                  <strong>0\0|E|</strong> : <span class="id"></span><br/>
                  <strong>종류</strong> : <span class="type"></span><br/>>
                  <strong>면적(m2)</strong> : <span class="area"></span><br/>
                  <strong>가격(ETH)</strong> : <span class="price"></span><br/>
                  <button class="btn btn-info btn-buy"</pre>
                         type="button"
                         data-toggle="modal"
                         data-target="#buyModal">
                        매입
                  <button class="btn btn-info btn-buyerInfo"</pre>
                    type="button"
                    data-toggle="modal"
data-target="#buyerInfoModal"
                    style="display: none;">
                      매입자 정보
                  </button>
              </div>
          </div>
```

```
</div>
    <div class="modal fade" tabindex="-1" role="dialog" id = "buyModal">
      <div class="modal-dialog">
        <div class="modal-content">
          <div class="modal-header">
            <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></butto</pre>
            <h4 class="modal-title">매입자 정보</h4>
          </div>
          <div class="modal-body">
              <input type="hidden" id="id" />
              <input type="hidden" id="price" />
              <input type="text" class="form-control" id="name" placeholder="이름" /><br/>
              <input type="number" class="form-control" id="age" placeholder="L|O|" />
          <div class="modal-footer">
            <button type="button" class="btn btn-default" data-dismiss="modal">닫기</button>
            <button type="button" class="btn btn-primary" onclick="App.buyRealEstate(); return false;">제출</button>
          </div>
        </div><!-- /.modal-content -->
      </div><!-- /.modal-dialog -->
    </div><!-- /.modal -->
    <div class="modal fade" tabindex="-1" role="dialog" id = "buyInfoModal">
      <div class="modal-dialog">
        <div class="modal-content">
          <div class="modal-header">
            <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></butto</pre>
            <h4 class="modal-title">매입자 정보</h4>
          </div>
          <div class="modal-body">
              <strong> 계정주소 </strong> : <span id="buyerAddress"></span> > <br/><strong> 이름 </strong> : <span id="buyerName"></span> > <br/><strong> 나이 </strong> : <span id="buyerAge"></span> > <br/>
          </div>
          <div class="modal-footer">
            <button type="button" class="btn btn-default" data-dismiss="modal">닫기</button>
            <button type="button" class="btn btn-primary" onclick="App.buyRealEstate(); return false;">제출</button>
          </div>
        </div><!-- /.modal-content -->
      </div><!-- /.modal-dialog -->
    </div><!-- /.modal -->
    <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
    <!-- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
    <script src="js/web3.min.js"></script>
    <script src="js/truffle-contract.js"></script>
    <script src="js/app.js"></script>
    <script src="js/utf8.js"></script>
 </body>
</html>
```

• truffle migrate --compile-all --reset --network ganache