portfolio

<List>

>> Introduction
>> Projects
>> Skills with personal project's codes
>> Aim

Hyeonseo

1. Introduction

About Jang

Info

Hyeonseo Jang
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236-867-7942

Skills

HTML
CSS

JAVA SCRIPT
JQuery

>> Education for IT

Software Development
Focus college (2021 ~ Present)
Program for professional smart web& contents Software based on JAVA
YeoungNam Institution (2019 ~ 2020)

>> Certificate

SQLD
LinuxMaster Level2
Computer Specialist in Spreadsheet & Database Level2

>> Projects

01. Java Swing project 02. JSP project 03. Spring framework project

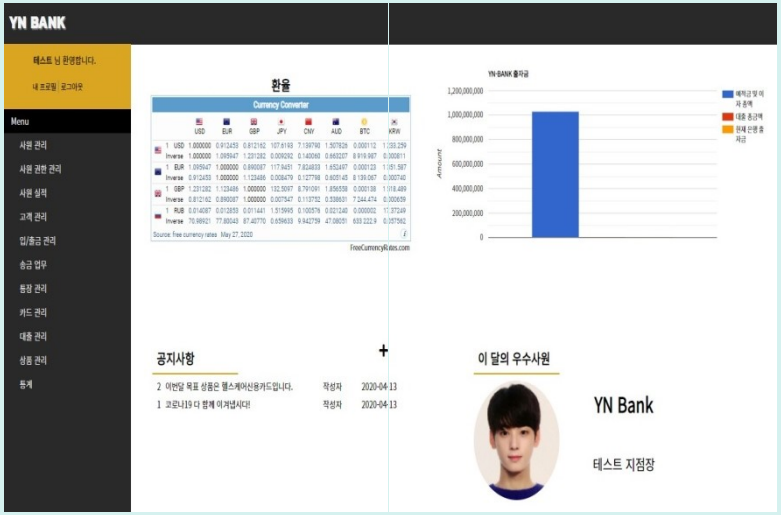
2. Projects

Projects

01. JAVA SWING

BANK SWING PROGRAM
For employees(including Manager)

02. JSP



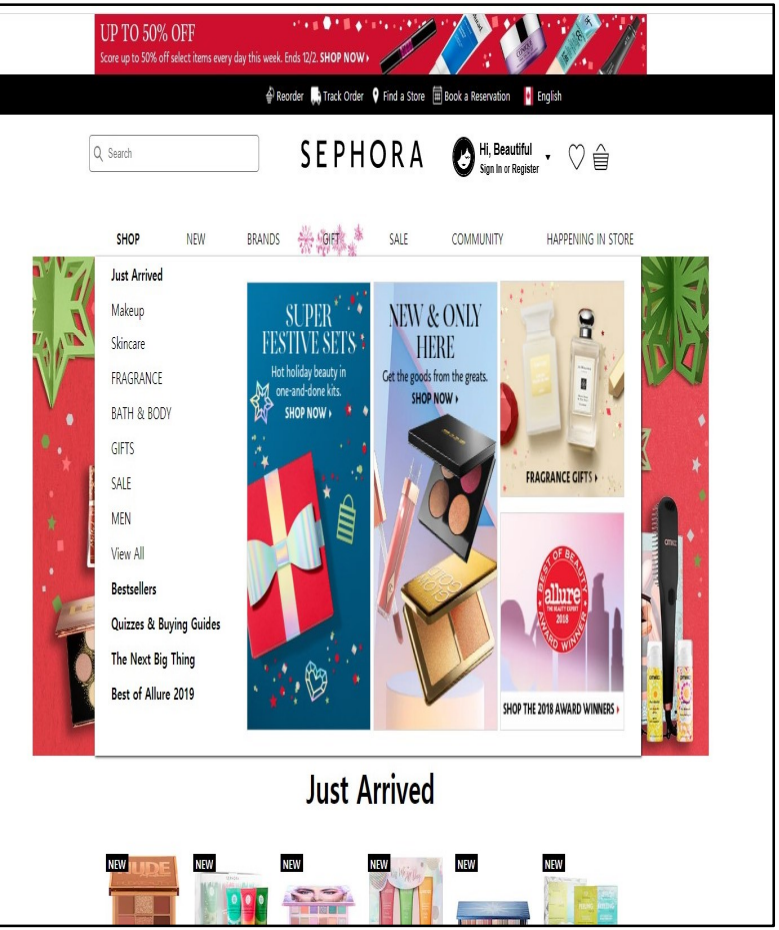
BANK program web version
YN BANK

03. SPRING

Travel agency mall specialized
in package products
TOURLAND

0-1. Frontend—HTML, CSS

[move to website]



sephora.html

```
118    <section>
119    <nav id="nav2">
120          <ul>
121                <li id="li1"><a href="#"><b>SHOP</b></a>
122                   <ul id="li1sub">
123                         <li><a href="#">MAKEUP</a></li>
124                         <li><a href="#">SKINCARE</a></li>
125                         <li><a href="#">HAIR</a></li>
126                         <li><a href="#">TOOLS & BRUSHES</a></li>
127                         <li><a href="#">FRAGRANCE</a></li>
128                         <li><a href="#">BATH & BODY</a></li>
129                         <li><a href="#">GIFTS</a></li>
130                         <li><a href="#">SALE</a></li>
131                         <li><a href="#">MEN</a></li>
132                         <li><a href="#">MINI SIZE</a></li>
133                         <li><a href="#">SEPHORA COLLECTION</a></li>
134                         <li><a href="#">BEAUTY OFFERS</a></li>
135                   </ul>
136                </li>
137                <li id="li2"><a href="#">NEW</a>
138                   <div id="second">
139                     <ul id="li2sub">
140                         <li><a href="#"><b>Just Arrived</b></a></li>
141                         <li><a href="#">Makeup</a></li>
```

sephora.css

```
 7  ul {
 8     list-style: none;
 9  }
10  ul a {
11     text-decoration: none
12     color: white;
13  }
14  img#top{
15     display:block;
16     margin:0 auto;
17  }
18  #fnav {
19     background: black;
20     height:40px;
21
22  }
23  #fnav> ul{
24     width: 580px;
25     margin:0 auto;
26     margin-left:750px;
27     min-width: 580px;
28  }
29  #fnav ul li{
30     float:left;
```

0-2. Frontend-JavaScript

```
<script>
	$("#file").change(function(){
		// var file = $(this)[0]; //$(this)[0] : javascript객체를 의미  제이쿼리의 0번째 정보는 자바스크립트가 가지고 있음


		console.log(file);
		//파일 정보를 끄집어 내자
		var file = $(this)[0].files[0]; //files가 배열이라 0을 넣어줌 배너 등록 페이지에서 필요한 건 단일 파일이기 때문
		console.log(file);

		var reader = new FileReader();
		reader.readAsDataURL(file);
		reader.onload = function(e){ //.addEventListener("load",function(){}) - 여러개 이벤트를 넣을 수 있음
			var $img = $("<img class='previewImg'>").attr("src",e.target.result); // == reader.result 같은 값이 넘어온
			$("#previewDiv").html($img);
		}
	})

	//리스트로 버튼 눌렀을 때 리스트로 돌아가기
		$("#btnReturnToList").click(function(){
			location.href="${pageContext.request.contextPath}/eventList";
		})

  </script>
<%@ include file="../../include/footer.jsp"%>
```

0-3. Backend-Database

사원 — employee

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
사번	empno	일반번호	INT	N·N
사원명	empname	사람이름	VARCHAR(20)	NULL
생년월일	empbirth	생년월일	DATE	NULL
전화번호	emptel	휴대폰번호	char(20)	NULL
주소	empaddr	주소	VARCHAR(255)	NULL
권한	empauth	권한	char(1)	NULL
아이디	empid	아이디	varchar(12)	NULL
비밀번호	emppass	비밀번호	varchar(41)	NULL
퇴사자여부	empretired	비활성화여부	TINYINT(1)	NULL

상품 — product

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
상품번호	pno	일반번호	INT	N·N
상품이름	pname	상품이름	VARCHAR(70)	NULL
상품설명	pcontent	상품설명	LONGTEXT	NULL
상품등록기간	penroll	날짜	DATE	NULL
상품가격	pprice	가격	INT	NULL
상품사진	ppic	사진주소	VARCHAR(255)	NULL
상품구분	pdiv	상품구분	CHAR(1)	NULL
이벤트상품	pevent	이벤트여부	TINYINT(1)	NULL
재고	pstock	재고수량	INT	NULL
판매량	psale	판매수량	INT	NULL

회원 — user

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
유저번호	usemo	일반번호	INT	N·N
유저명	username	사람이름	VARCHAR(20)	NULL
생년월일	userbirth	생년월일	DATE	NULL
전화번호	usertel	휴대폰번호	char(20)	NULL
주소	useraddr	주소	VARCHAR(255)	NULL
유저아이디	userid	아이디	VARCHAR(50)	NULL
유저비밀번호	userpass	비밀번호	varchar(41)	NULL
탈퇴여부	usersecess	비활성화여부	TINYINT(1)	NULL
메일수신여부	yesmo	비활성화여부	TINYINT(1)	NULL

이벤트 — event

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
번호	eno	일반번호	INT	N·N
제목	etitle	제목	VARCHAR(255)	NULL
내용	econtent	내용	LONGBLOB	NULL
사진	epic	사진주소	VARCHAR(255)	NULL
시작날짜	estartdate	날짜	DATE	NULL
종료날짜	eenddate	날짜	DATE	NULL

공지사항 — notice

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
번호	nno	일반번호	INT	N·N
제목	ntitle	제목	VARCHAR(255)	NULL
작성자	nwriter	작성자	CHAR(1)	NULL
내용	ncontent	내용	LONGBLOB	NULL
작성일자	nregdate	날짜	DATE	NULL

상품평 — review

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
번호	mo	일반번호	INT	N·N
상품번호	pno	일반번호	INT	NULL
유저번호	usemo	일반번호	INT	NULL
내용	rcontent	내용	LONGBLOB	NULL
등록일	regdate	날짜	DATE	NULL
별점	point	별점	CHAR(1)	NULL

고객 QnA — board

논리 이름*	물리 이름*	도메인	데이터 타입	널 허용
번호	bno	일반번호	INT	N·N
제목	btitle	제목	VARCHAR(255)	NULL
작성자	bwriter	사람이름	VARCHAR(20)	N·N
내용	bcontent	내용	LONGBLOB	N·N
작성일자	bregdate	날짜	DATE	NULL
답변	banswer	내용	LONGBLOB	NULL

Made database for personal project

1-1. Latest Projects

Project

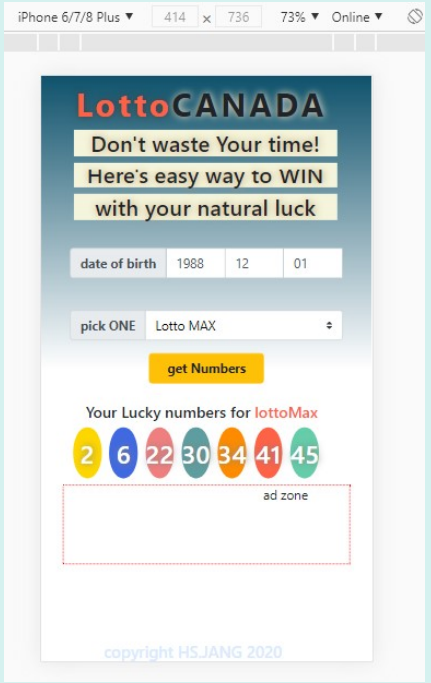
Simple wep page and mobile page

[to lottocanada web page]

vscode, html, css, javascript

Auto pick program for 3 kinds of canada Lottery

Web version



mobile web version

1-2. codes

Try to make function with only vanillajavascript not using j-query

```
function generate(){
    var goodluckDiv = document.getElementById("goodluck")
    goodluckDiv.innerHTML =""
    var random =[]
    var errmsg = document.getElementsByClassName("errMsg")[0]
    errmsg.style.visibility = "";

    var whichgame = document.getElementById("inputGroupSelect01").value
    document.getElementsByClassName("custom-select")[0].style.color = "black"

    if(whichgame =="def"){
        document.getElementsByClassName("custom-select")[0].style.color = "red"
    }

    var getYear = document.getElementById("winnerYear").value
    var getMonth = document.getElementById("winnerMonth").value
    var getDay = document.getElementById("winnerDay").value
    var bday = getYear+ getMonth +getDay

    if (bday.length !== 8) {
        errmsg.style.visibility = "visible";
       return false;
    }
    var months = [01,02,03,04,05,06,07,08,09,10,11,12]
    var lastArr = [31,28,31,30,31,30,31,31,30,31,30,31]
    if(getYear%4 ==0 && getYear%100 !=0 || getYear %400 ==0){
        lastArr[1] = 29
    }
    var regForYear = /^(1|2){1}[0-9]{3}$/
    var result1 = regForYear.test(getYear)
    if(result1 != true){
        errmsg.style.visibility = "visible";
        return false;
    }
```

```
var ball_colors = ["gold","royalblue","lightcoral","cadetblue","darkorange","tomato","mediumaquamarine"]
if (whichgame !="def"){
    goodluckDiv.innerHTML += "<h1 id='goodluckH1'>Your Lucky numbers for <span id='whichgameSpan'>"+whichga
    document.getElementById("goodluckH1").style.fontSize = "1.2rem"
    document.getElementById("goodluckH1").style.marginLeft = "8%"
    document.getElementById("whichgameSpan").style.color = "tomato"

}

if(whichgame == "LOTTO649" || whichgame == "BC49" ){
   var lotto_ball = document.getElementsByClassName("ball_49")
   var i = 0;
   var leng = random.length
   while(leng < 6){
      random[i] = Math.floor((Math.random()*49)+1)
      var newRandom = [...new Set(random)];
      leng = newRandom.length
      i++
    }
    newRandom .sort(function(a, b){return a - b});

    goodluckDiv.innerHTML += "<div id='winwin'></div>"
    document.getElementById("winwin").style.width="90%"
    document.getElementById("winwin").style.textAlign="center"
    document.getElementById("winwin").style.marginLeft="1%"
    for(var i=0; i<newRandom.length; i++){
        document.getElementById("winwin").innerHTML += "<span class='ball_49'>"+ newRandom[i] +"</span>"
        document.getElementById("winwin").style.marginTop ="1%"
        document.getElementById("winwin").style.marginBottom ="2%"
```

2. TeamProjects - Summarizing N Environment

S AND E

01. JAVA SWING

BANK program for employees
including Manager

S: JAVA Swing program which
is possible simple transaction
like deposit and withdrwal.

E: eclipse,Java, HTML5,
Gradle, Window Builder,
MySQL- Dbeaver, Exerd,
chartFX

02. JSP

Web version BANK site
YN BANK

S: Extense of swing project.
Employee bank project structured
as MVC MODEL2version.

E: eclipse, Java, HTML5, CSS3,
JavaScript(jQuery), AJAX, JSP,
MySQL-DBeaver, eXERD ,Github,
Tomcat 8.5,

03. SPRING

Package exclusive
tour agency mall
TOURLAND

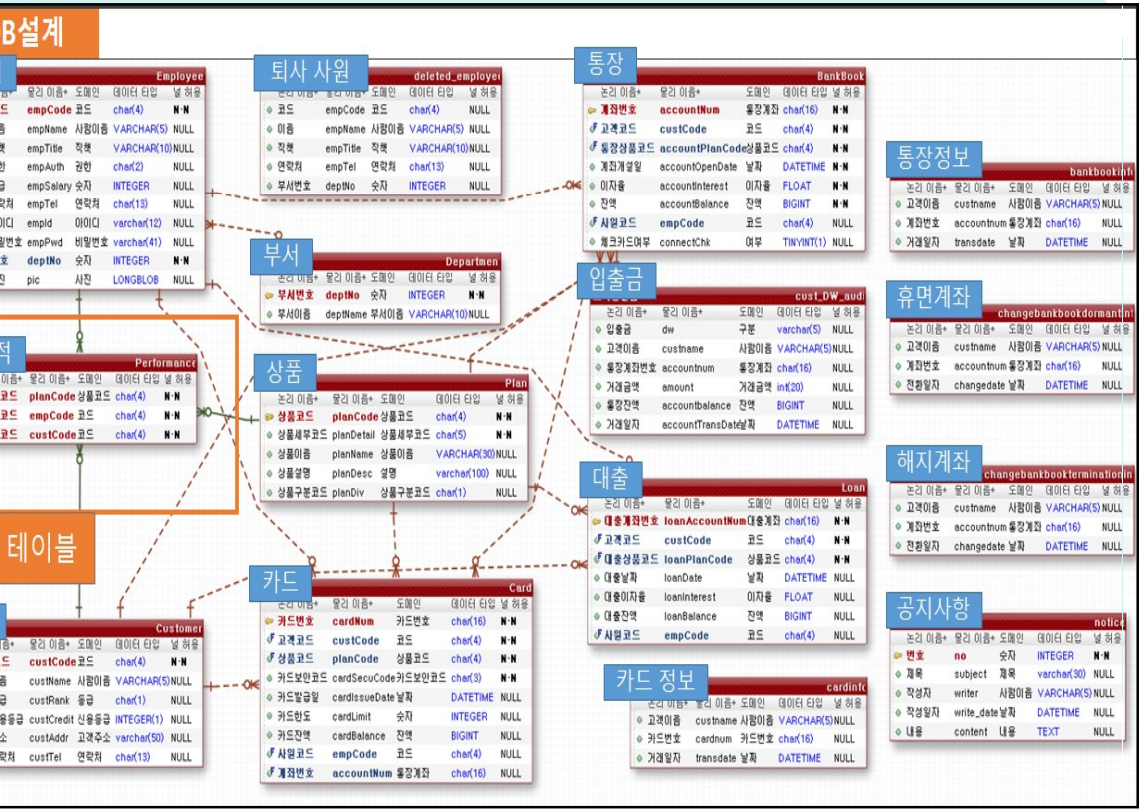
S: Using Spring Framework,
Mall for Package products

E: Java, HTML5, CSS3,
JavaScript(jQuery), AJAX,
BootStrap3 , Java, JSP- Spri
MySQL-DBeaver,MyBatis, eXE
Github, Tomcat 8.5

2. TeamProjects

DATABASE

JAVA SWING & JSP Project



SPRING Project

2-1. Swing Project- Summary

Project No.1 – Manager mode– managing Employees, all employees mode –support Customer service, deposit, withdrawal

코드	이름	직책	권한	월급	연락처	아이디	비밀번호	부서
A001	나인사	부장	HR	6				인사(1)
A002	정아름	차장	HR	5				인사(1)
A003	이상원	과장	HR	4				인사(1)
A004	서지수	대리	HR	3				인사(1)
A005	박민호	사원	HR	2				인사(1)
A006	고희연	사원	HR	2				인사(1)
A007	정윤호	사원	HR	2				인사(1)
B001	나지점	지점장	AD	10				고객(2)
B002	장현서	부지점장	CS	8				고객(2)
B003	박인선	부장	CS	6				고객(2)
B004	황하나	차장	CS	5				고객(2)
B005	현재송	과장	CS	4				고객(2)
B006	황태원	대리	CS	3				고객(2)
B007	나고객	사원	CS	2				고객(2)
B008	테스트	지점장	AD	10				고객(2)
B009	아몬드	대리	CS	2				고객(2)
B010	장우주	사원	CS	2				고객(2)
B011	방송국	사원	CS	2				고객(2)
B012	서민지	사원	CS	2				고객(2)
B013	성시현	사원	CS	2				고객(2)
B014	민희영	사원	CS	2				고객(2)
B015	김다린	사원	CS	2,000,000	010-3290-6431	CSid15	**********	고객(2)
B016	최지원	사원	CS	2,000,000	010-7323-4543	CSid16	**********	고객(2)
B017	연소희	사원	CS	2,000,000	010-4443-7345	CSid17	**********	고객(2)
B018	주경미	사원	CS	2,000,000	010-6424-3424	CSid18	**********	고객(2)

>> Program

Bank program which has 2 modes

>> How many Developers: 3

division of employee, customer, bank

>> Development aim :

- Design of Database
- Learning and adjustiing JAVA codes
- Writing for Documents

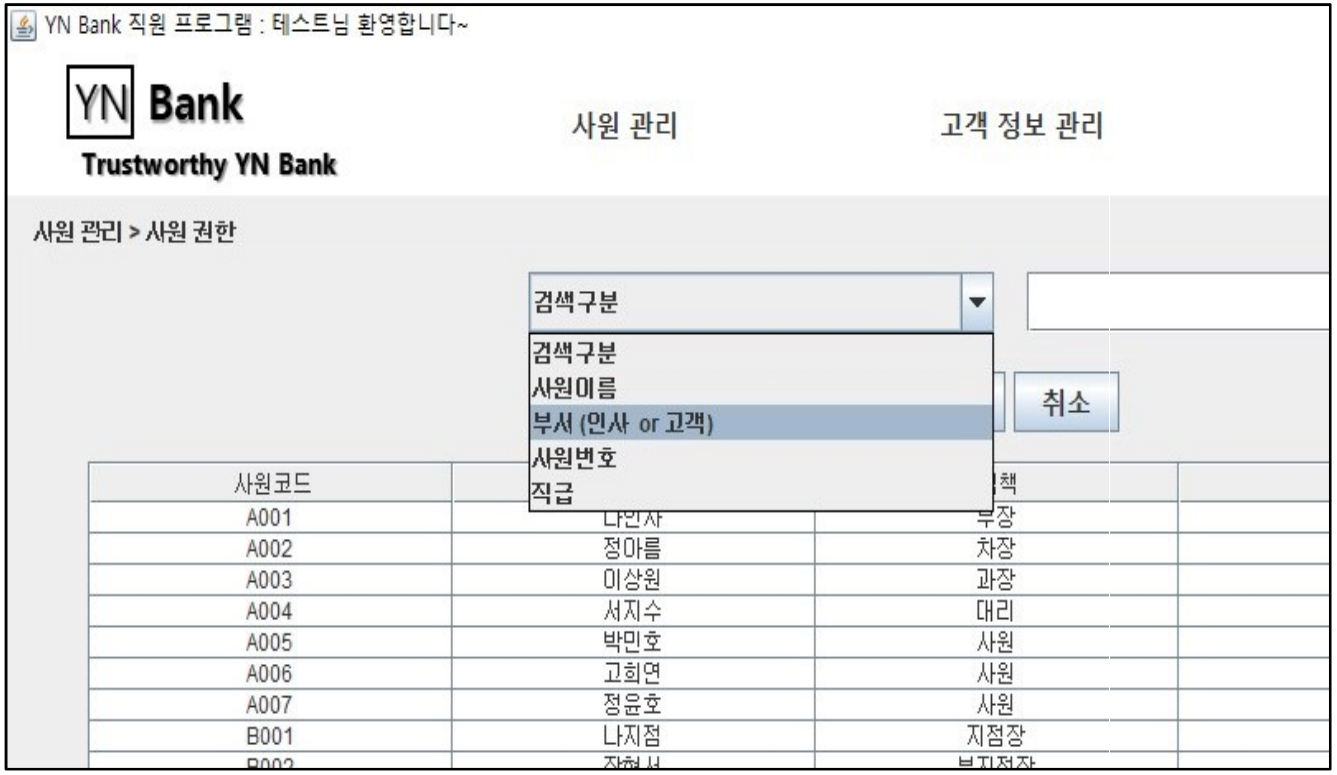
(USECASE, UI Wireframe, Date Definition document, E.T.C.)

- Using gradle,

experiencing team project by using git

2-1. Swing Project- Functional

2way verion for manager and all employees, related to managing employees like authority



›› Responsibilities

〈Main〉

-Ranking for best employee,
changing ranking by performance

〈Emp menu – Management, Information, Authority for Employee〉

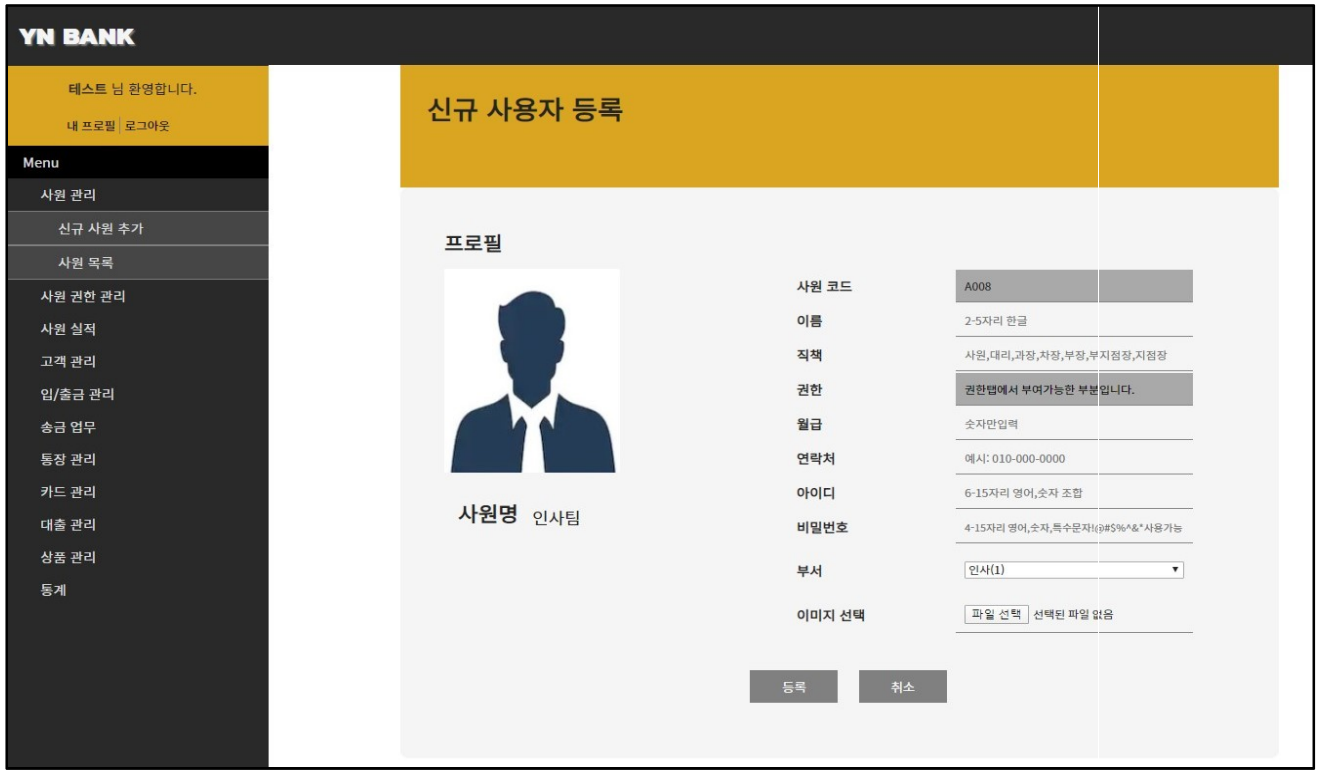
-Searching
(adding, modifying, deleting by popup menu)
- information (about Personal performance,
- Updating table info by searching

›› Codes (GIT)

- Entire codes
- codes about Employee

2-2. JSP Project -Summary

Project No.2 – Using same database with swing project. JSP project that added E-interac, product enrollment function.



>> **Program**

은행직원용 프로그램 (관리자 모드, 일반사원 모드)

>> **How many developers: 3**

>> **Development aim:**

Using Model2 MVC Pattern

Focused on function more than design.

More meticulous codes by communication

Adding function to meet up customer's requi

Modifiying database as required

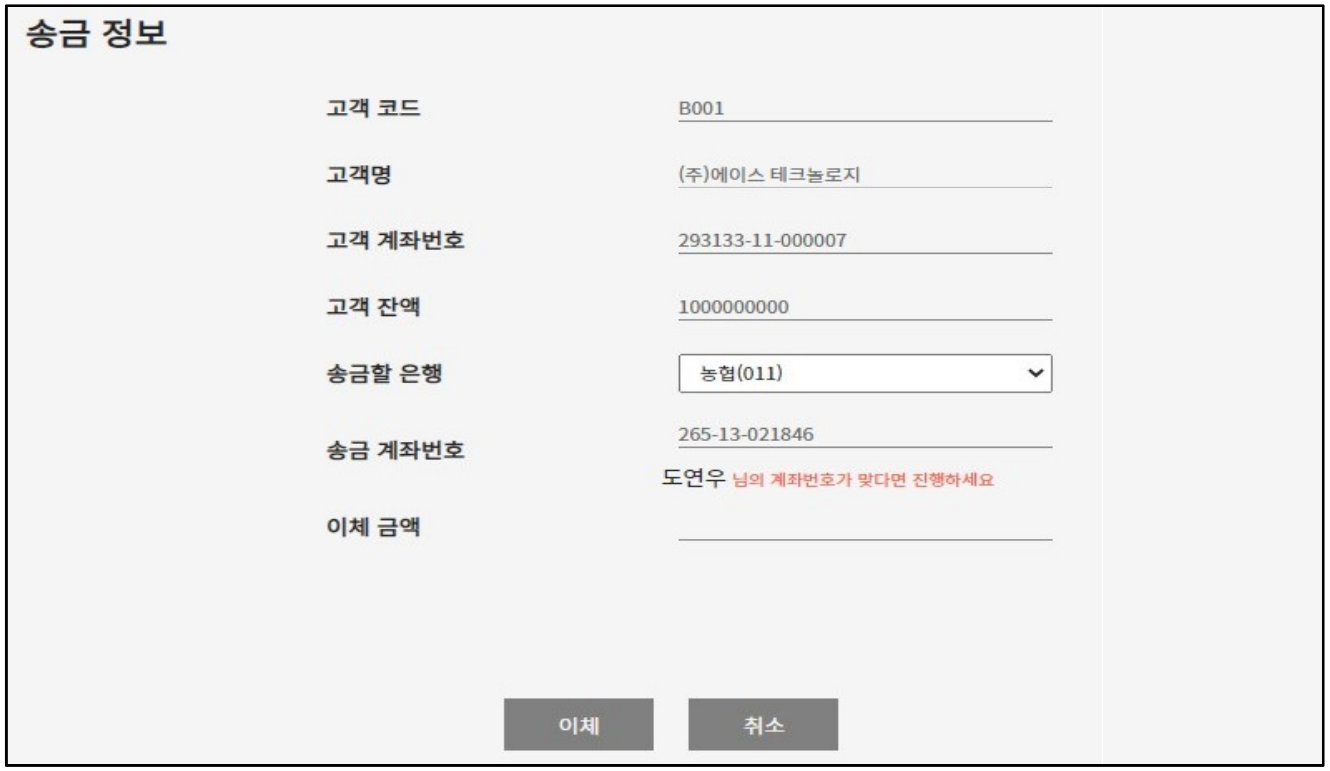
Loading by AJAX

>> **Web site :**

move to YN BANK

2-2. JSP Project - Functional

Entire function of employee and customer, tarnsfer , list and paging on board



>> Responsibilities

〈Main and E.T.C.〉

- -Monthly Rank for employee
- -board paging and regular expression

〈Employee–same with swing and adding〉

- - My profile when log in
- - Searching performance by target produ

〈Customer〉

- - Managing customer, and financial produc

〈Duties〉

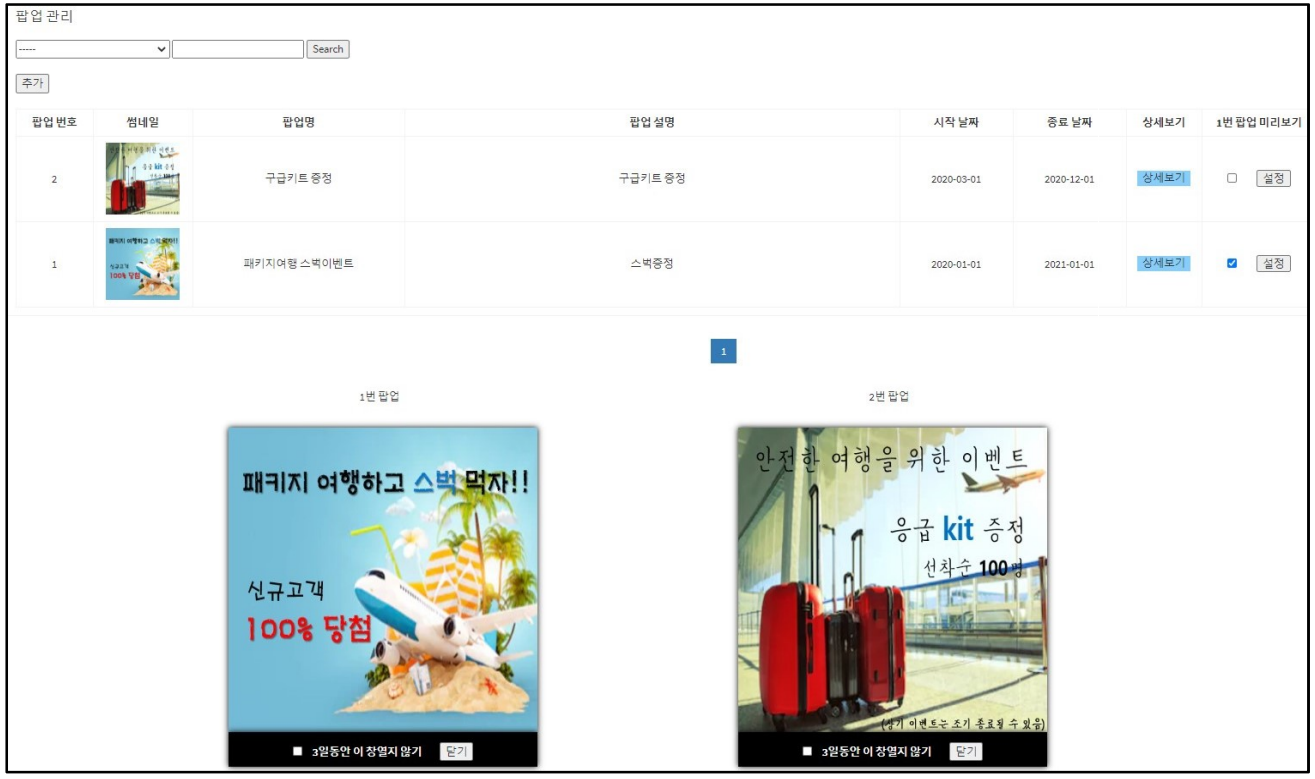
- - tansferring and E-interac to other ban

>> Codes (GIT)

- - Entire codes
- - Regular Expression codes

2-3. SPRING Project -Summary

Project No.3 – travel agent site based on same logic with shoppong mall.
Exculusive packaging product. 3 steps for sale Reservation – payment – cofirm reservation by employee



>> Program

Management program for travel agency (manager page, customer page)

>> How many developers : 4

>> Development aim :

Combination of rentcar, hotel, tour with flight essential

Customer can choose their own option

Make every database not using API

Create manager page by using bootstrap for efficiency

Every developer need to make board function

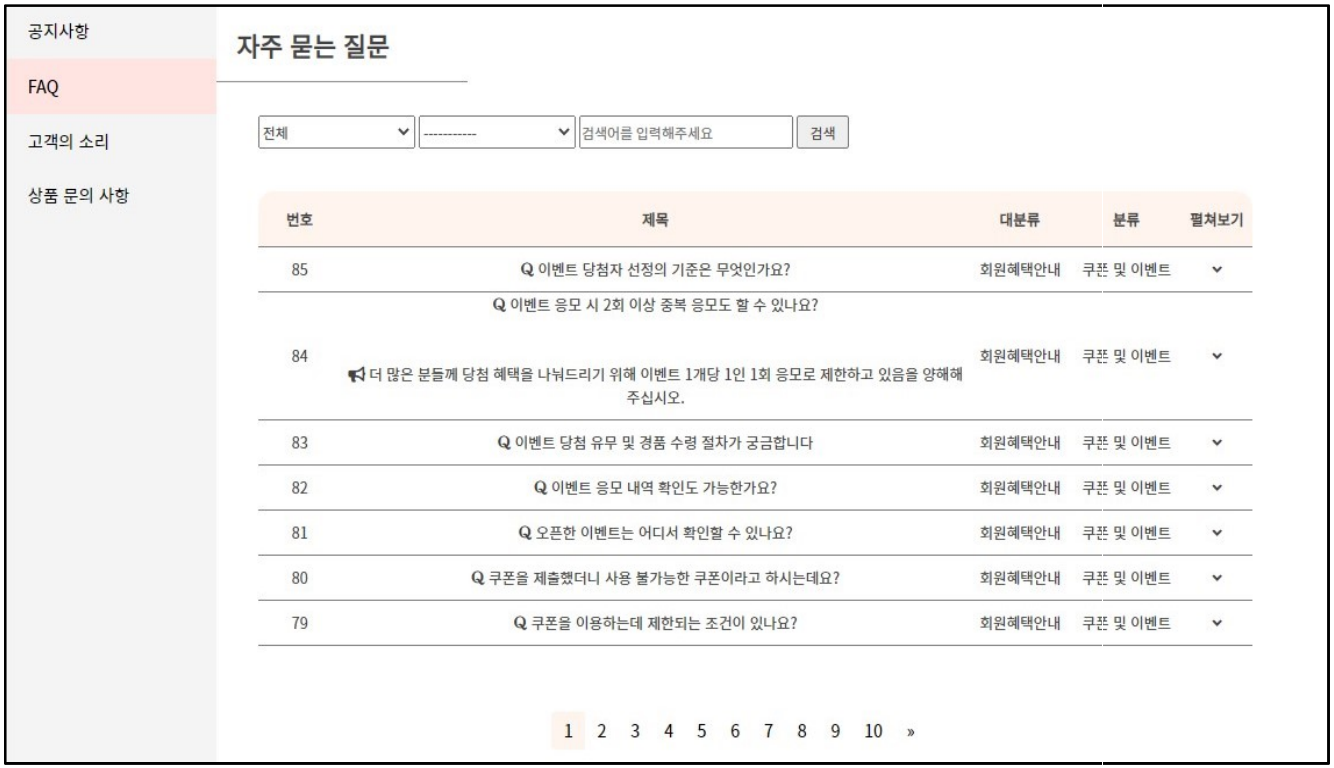
Using proper API

>> Web site :

Move to Tourland

2-3. SPRING Project - Function

Connect customer web site and manager's page with some design – employee, customer, product, design



›› Responsibilities

〈Employee〉

- -Enrollment, modifying, deleting

〈Customer〉

- - Sign up (Daum API for korea Address
- - Searching

〈Product〉

- - Rentcar

〈Design〉

- - Popup
- - Management main banner
- - Product enrollemnt page by CK edi
- - Floating banner for recent view

2-3. SPRING Project – function

Event, Board, Searching

〈Event〉

- Event enrollment, modifying, deleting
- seperated page by event time

〈Board〉

- Created customer's opinion board
- Connect every Board in customer websit
  and Paging(FAQ - DIV toggle)

〈E.T.C.〉

- Create packaging database for testing
- Main Searching (level 1, level2)

›› Codes (GIT)

- Entire codes

2-3. SPRING Project – code examples

Manager controller file upload codes

merController.java | ManagerController.java

```
@ResponseBody
@RequestMapping(value = "displayFile/{whichOne}", method = RequestMethod.GET)
public ResponseEntity<byte[]> displayFile(String filename,@PathVariable("whichOne") String choice,
    ResponseEntity<byte[]> entity = null;
    String path = null;

    if(choice.equals("banner")) {
        path = uploadPathBanner;
    }

    if(choice.equals("popup")) {
        path = uploadPathPopup;
    }

    if(choice.contentEquals("event")) {
        path = uploadPathEvent;
    }
    if(choice.contentEquals("product") || choice.contentEquals("productSmall")) {
        path = uploadPathProduct;
    }

    if(choice.equals("practice")) {
        path= "/tourland/resources/images/practice";
    }
    System.out.println("displayFile----------"+ filename);
    InputStream in = null;
    try {

//      System.out.println("path=="+path);
        if(choice.contentEquals("productSmall")) {
            if(filename!="") filename = filename.substring(0, 12) + "s_" + filename.substring(12);
        }
```

tomerController.java | ManagerController.java

```
        }
        in = new FileInputStream(path + filename); // 파일개체는 오류처리하라고..
        String format = filename.substring(filename.lastIndexOf(".") + 1); // 파일 확장자 뽑아내기 점 빼
        MediaType mType = null;

        if (format.equalsIgnoreCase("png")) {
            mType = MediaType.IMAGE_PNG;
        } else if (format.equalsIgnoreCase("jpg") || format.equalsIgnoreCase("jpeg")) {
            mType = MediaType.IMAGE_JPEG;
        } else if (format.equalsIgnoreCase("GIF")) {
            mType = MediaType.IMAGE_GIF;
        }
        HttpHeaders headers = new HttpHeaders();
        headers.setContentType(mType);

        entity = new ResponseEntity<byte[]>(IOUtils.toByteArray(in), headers, HttpStatus.OK);

        in.close();

    } catch (Exception e) {
        e.printStackTrace();
        entity = new ResponseEntity<byte[]>(HttpStatus.BAD_REQUEST);
    }

    return entity;
}
```

2-3. SPRING Project – code examples

Popup cookie codes

entList.jsp | tourlandMain.jsp

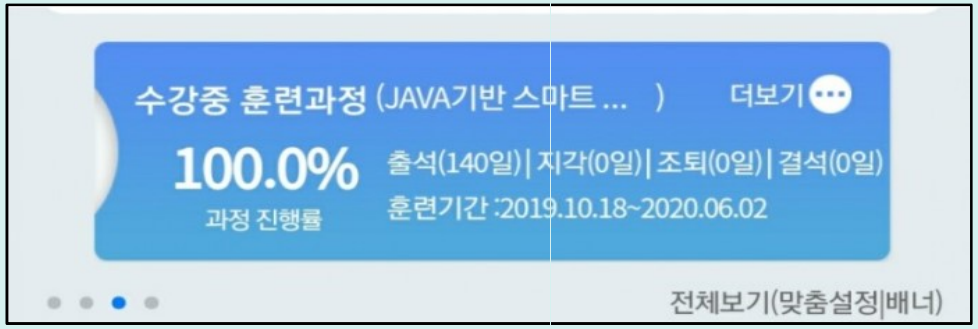
```
$(function() {

    if ($.cookie("popup1") != null) {
        $("#popup1").css("display", "block");
    }

    if ($.cookie("popup2") != null) {
        $("#popup2").css("display", "block");
    }
    // alert($.cookie("exeptFor3days"));
    if ($.cookie("exeptFor3days") == "none") {
        $("#popup1").css("display", "none");
    }
    if ($.cookie("exeptFor3days2") == "none") {
        $("#popup2").css("display", "none");
    }
    //팝업 버튼 누르면 팝업창 사라지기 popup1
    $(".popupBtnClose").click(function() {
        if ($(".expireCK").prop("checked") == true) {
            $.cookie("exeptFor3days", "none", {
                expires : 3,
                path : "/"
            });
        }
        $(this).parent().parent().parent().css("display", "none");
    })
    $(".popupBtnClose2").click(function() {
        if ($(".expireCK2").prop("checked") == true) {
            $.cookie("exeptFor3days2", "none", {
                expires : 3,
                path : "/"
            });
```

CustomerController.java | ManagerController.java

```
203   //메인
204   @RequestMapping(value="tourlandMain", method=RequestMethod.GET)
205   public String tourlandMain(Model model, HttpServletResponse response, HttpS
206    //쿠키불러오기
207       Cookie[] currentC = request.getCookies();
208       if(currentC != null) {
209       for(Cookie c : currentC) {
210            if(c.getName().contentEquals("currentProduct")) {
211                ProductVO currentP = new ProductVO();
212                currentP.setPno(Integer.parseInt(c.getValue()));
213                ProductVO dbcurrentP = productService.productByNo(currentP);
214                model.addAttribute("currentProduct",dbcurrentP);
215            }if(c.getName().contentEquals("currentProduct2")) {
216                ProductVO currentP = new ProductVO();
217                currentP.setPno(Integer.parseInt(c.getValue()));
218                ProductVO dbcurrentP = productService.productByNo(currentP);
219                model.addAttribute("currentProduct2",dbcurrentP);
220            }if(c.getName().contentEquals("currentProductPrice")) {
221                String currentProductPrice =  c.getValue();
222                model.addAttribute("currentProductPrice",currentProductPrice);
223            }if(c.getName().contentEquals("currentProductPrice2")) {
224                String currentProductPrice2 =  c.getValue();
225                model.addAttribute("currentProductPrice2",currentProductPrice2
226            }
227          }
228       }
229
230   //팝업 불러오기
231       PopupVO popup1 = popupService.setPopup("L");
232       if(popup1 != null) {
233           long settingDays = (popup1.getEnddate().getTime()- popup1.getStartda
234           long settingDays2 = Math.abs(settingDays/(24*60*60*1000));
235           Cookie cookie = new Cookie("popup1", popup1.getPic());
```

4. Wanna be A developer likes..

- diligent
- enthusiastically
- Self- motivated
- learn
- collaborated
- positive
- Developer



>>
attendance record for about 8months IT program
NO Absence, NO lateness with any reason

2020년 정기 기사 1,2회 (필기) - 정보처리기사

종목(자격)	합격여부		
정보처리기사	합격	소프트	
		소프트	
		데이터베이스구축	95
		프로그래밍언어활용	80
		정보시스템구축관리	80
81		총점	405

종목	회차	차수	시험구분	수험번호	시험일	합격여부	점수
리눅스마스터 2급	2002회	2	정기	LMS-2002-002434	2020-06-13 ~ 2020-06-13	합격	82.5점

>>
Obtain some certificates

THE END

THANK YOU