Arduino

- networkingBoard.ino

```
#include <SPI.h>
#include <MFRC522.h>
#include <SoftwareSerial.h>
#include <Wire.h>

constexpr uint8_t RST_PIN = 9;      // Configurable, see typical pin layout above
constexpr uint8_t SS_PIN = 10;      // Configurable, see typical pin layout above

MFRC522 rfid(SS_PIN, RST_PIN); // Instance of the class

MFRC522::MIFARE_Key key;
SoftwareSerial bt(2, 3);

// Init array that will store new NUID
byte nuidPICC[4];
boolean isOn = false;

void setup()
{
  Serial.begin(9600);
  bt.begin(9600); // 블루투스를 사용하기 위해 초기화
  SPI.begin(); // Init SPI bus
  rfid.PCD_Init(); // Init MFRC522
  Serial.println("ready");
  Wire.begin();

  for (byte i = 0; i < 6; i++)
    key.keyByte[i] = 0xFF;

  Serial.println(F("This code scan the MIFARE Classsic NUID."));
  Serial.print(F("Using the following key:"));
  printHex(key.keyByte, MFRC522::MF_KEY_SIZE);
}

void loop() {
  if (bt.available())
  {
    char rtn = bt.read();
    if (rtn == 'C')
    {
      Serial.write("Connected!");
      Serial.println();
      while (!userAuthentication());
      bt.println("OK");
```

```
      Wire.beginTransmission(8);
      Wire.write('Z');
      Wire.endTransmission();
    }
    else if (rtn == 'D')
    {
      Serial.write("Disconnected!");
      Serial.println();
      Wire.beginTransmission(8);
      Wire.write('X');
      Wire.endTransmission();
    }
  }


  // Look for new cards
  if ( ! rfid.PICC_IsNewCardPresent())
    return;

  // Verify if the NUID has been readed
  if ( ! rfid.PICC_ReadCardSerial())
    return;

  Serial.print(F("PICC type: "));
  MFRC522::PICC_Type piccType = rfid.PICC_GetType(rfid.uid.sak);
  Serial.println(rfid.PICC_GetTypeName(piccType));

  // Check is the PICC of Classic MIFARE type
  if (piccType != MFRC522::PICC_TYPE_MIFARE_MINI &&
      piccType != MFRC522::PICC_TYPE_MIFARE_1K &&
      piccType != MFRC522::PICC_TYPE_MIFARE_4K)
  {
    Serial.println(F("Payment zone"));
    bt.print("PAYMENT");
    bt.println();
    return;
  }

  if (rfid.uid.uidByte[0] != nuidPICC[0] ||
      rfid.uid.uidByte[1] != nuidPICC[1] ||
      rfid.uid.uidByte[2] != nuidPICC[2] ||
      rfid.uid.uidByte[3] != nuidPICC[3] )
  {
    // Store NUID into nuidPICC array
    for (byte i = 0; i < 4; i++)
      nuidPICC[i] = rfid.uid.uidByte[i];

    printHex(rfid.uid.uidByte, rfid.uid.size);
```

```
      printPhoneHex(rfid.uid.uidByte, rfid.uid.size);
      Serial.println();
      printDec(rfid.uid.uidByte, rfid.uid.size);
      Serial.println();
  }
  else
  {
      printHex(rfid.uid.uidByte, rfid.uid.size);
      printPhoneHex(rfid.uid.uidByte, rfid.uid.size);
  }

  // Halt PICC
  rfid.PICC_HaltA();

  // Stop encryption on PCD
  rfid.PCD_StopCrypto1();
}

/**
    Helper routine to dump a byte array as hex values to Serial.
*/
void printHex(byte *buffer, byte bufferSize)
{
  for (byte i = 0; i < bufferSize; i++)
  {
      Serial.print(buffer[i] < 0x10 ? " 0" : " ");
      Serial.print(buffer[i], HEX);
  }
}

/**
    Helper routine to dump a byte array as dec values to Serial.
*/
void printDec(byte *buffer, byte bufferSize)
{
  for (byte i = 0; i < bufferSize; i++)
  {
      Serial.print(buffer[i] < 0x10 ? " 0" : " ");
      Serial.print(buffer[i], DEC);
  }
}

void printPhoneHex(byte *buffer, byte bufferSize)
{
  for (byte i = 0; i < bufferSize; i++)
  {
      bt.print(buffer[i] < 0x10 ? "0" : "");
```

```
      bt.print(buffer[i], HEX);
  }
  bt.println();
}

boolean userAuthentication()
{
  Wire.requestFrom(8, 1);
  char c = Wire.read();
  if (c == 'O') return true;
  else return false;
}
```

- drivingingBoard.ino

```
#include <SoftwareSerial.h>
#include <Wire.h>

#define OK 200
#define TOO_SHORT 100
#define TOO_LONG 300

int connectedFlag = 0;
int d1 = 50, d2 = 50, d3 = 50;
int m1In1 = 7, m1In2 = 6, m2In1 = 4, m2In2 = 5; // 앞
int m3In1 = 12, m3In2 = 13, m4In1 = 11, m4In2 = 10; // 뒤
int s1Echo = 9, s1Trig = 8, s2Echo = 17, s2Trig = 16, s3Echo = 15, s3Trig = 14;

void setup()
{
  // put your setup code here, to run once:
  _init();
}

void loop()
{
  // put your main code here, to run repeatedly:
// ultrasonic wave
  d1 = ultrasonic(s1Echo, s1Trig);
  d2 = ultrasonic(s2Echo, s2Trig);
  d3 = ultrasonic(s3Echo, s3Trig);

//  controlling moter
  if (connectedFlag == 1)
  {
    if (isInRange(d2) == TOO_SHORT)
    { // 너무 가까우면 뒤로가기
      digitalWrite(m1In1, LOW);
```

```
      digitalWrite(m1In2, HIGH);
      digitalWrite(m2In1, LOW);
      digitalWrite(m2In2, HIGH);
      digitalWrite(m3In1, LOW);
      digitalWrite(m3In2, HIGH);
      digitalWrite(m4In1, LOW);
      digitalWrite(m4In2, HIGH);
  }
  else if (isInRange(d2) == OK)
  { // 적당한 거리인 경우 멈춤
      digitalWrite(m1In1, LOW);
      digitalWrite(m1In2, LOW);
      digitalWrite(m2In1, LOW);
      digitalWrite(m2In2, LOW);
      digitalWrite(m3In1, LOW);
      digitalWrite(m3In2, LOW);
      digitalWrite(m4In1, LOW);
      digitalWrite(m4In2, LOW);
  }
  else
  {
      if (isInRange(d1) == TOO_LONG && isInRange(d3) == TOO_LONG) // 전진
      {
        digitalWrite(m1In1, HIGH);
        digitalWrite(m1In2, LOW);
        digitalWrite(m2In1, HIGH);
        digitalWrite(m2In2, LOW);
        digitalWrite(m3In1, HIGH);
        digitalWrite(m3In2, LOW);
        digitalWrite(m4In1, HIGH);
        digitalWrite(m4In2, LOW);
      }
      else if (isInRange(d1) <= OK && isInRange(d3) == TOO_LONG) // 좌회전
      {
        digitalWrite(m1In1, HIGH);
        digitalWrite(m1In2, LOW);
        digitalWrite(m2In1, LOW);
        digitalWrite(m2In2, HIGH);
        digitalWrite(m3In1, HIGH);
        digitalWrite(m3In2, LOW);
        digitalWrite(m4In1, LOW);
        digitalWrite(m4In2, HIGH);
      }
      else if (isInRange(d3) <= OK && isInRange(d1) == TOO_LONG) // 우회전
      {
        digitalWrite(m1In1, LOW);
        digitalWrite(m1In2, HIGH);
```

```
            digitalWrite(m2In1, HIGH);
            digitalWrite(m2In2, LOW);
            digitalWrite(m3In1, LOW);
            digitalWrite(m3In2, HIGH);
            digitalWrite(m4In1, HIGH);
            digitalWrite(m4In2, LOW);
        }
      }
    }
    else // connecting 해제 시 모터 중지
    {
      digitalWrite(m1In1, LOW);
      digitalWrite(m1In2, LOW);
      digitalWrite(m2In1, LOW);
      digitalWrite(m2In2, LOW);
      digitalWrite(m3In1, LOW);
      digitalWrite(m3In2, LOW);
      digitalWrite(m4In1, LOW);
      digitalWrite(m4In2, LOW);
    }
}

int ultrasonic(int echo, int trig)
{
    int duration, distance;

    digitalWrite(trig, HIGH);
    delayMicroseconds(10);
    digitalWrite(trig, LOW);

    duration = pulseIn(echo, HIGH);
    distance = duration / 58;

    return distance;
}

int isInRange(int d)
{
    if (d >= 30) return TOO_LONG;
    else if (d >= 15 && d < 30) return OK;
    else if (d >= 0) return TOO_SHORT;
}

void receiveConnData(int size)
{
    while (0 < Wire.available())
    {
```

```cpp
    char c = Wire.read();
    if (connectedFlag == 0 && c == 'Z')
    {
      Serial.print("starting cart");
      Serial.println();
      connectedFlag = 1;
    }
    else if (connectedFlag == 1 && c == 'X')
    {
      Serial.println("stopping cart");
      connectedFlag = 0;
    }
  }
}

void requestConnData() { (isInRange(d2) <= OK) ? Wire.write('O') : Wire.write('X'); }
void _init()
{
  Serial.begin(9600); // 시리얼 통신 초기화
  Serial.println("Ready i^2c");

  // DC moter
  pinMode(m1In1, OUTPUT);
  pinMode(m1In2, OUTPUT);
  pinMode(m2In1, OUTPUT);
  pinMode(m2In2, OUTPUT);
  pinMode(m3In1, OUTPUT);
  pinMode(m3In2, OUTPUT);
  pinMode(m4In1, OUTPUT);
  pinMode(m4In2, OUTPUT);

  // Wire
  Wire.begin(8);
  Wire.onReceive(receiveConnData);
  Wire.onRequest(requestConnData);

  // ultrasonic wave
  pinMode(s1Echo, INPUT);
  pinMode(s1Trig, OUTPUT);
  pinMode(s2Echo, INPUT);
  pinMode(s2Trig, OUTPUT);
  pinMode(s3Echo, INPUT);
  pinMode(s3Trig, OUTPUT);
}
```

Server

Login.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>
<%@page import="org.json.simple.JSONObject"%>
<%@page import="org.json.simple.JSONArray"%>
<%
        request.setCharacterEncoding("utf-8");
%>
<%

        // 데이터베이스 연결관련 변수 선언
        Connection conn = null;
        PreparedStatement pstmt = null;
        // 데이터베이스 연결관련정보를 문자열로 선언
        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";
        try {
                // JDBC 드라이버 로드
                Class.forName(jdbc_driver);
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                conn = DriverManager.getConnection(jdbc_url, "root", "com123");
                }catch (Exception e) {
                        System.out.println(e);
                }
%>
<HTML>
<HEAD>
<TITLE>로그인사용자정보</TITLE>
</HEAD>
<BODY>
<%

                        try {
                                // select 문장을 문자열 형태로 구성한다.
                                String sql = "select * from user";
                                pstmt = conn.prepareStatement(sql);
                                // select 문장을 수행하면 데이터정보가 ResultSet 클래스의 인스턴스로 리턴됨.
                                ResultSet rs = pstmt.executeQuery();
                                // 마지막 데이터까지 반복함.
                                int flag = 0;
                                while(rs.next()) {
                                        if(rs.getString("_id").equals(request.getParameter("strID"))) {

if(rs.getString("user_pw").equals(request.getParameter("strPwd"))) {
                                                        flag = 1;
                                                        String userName = rs.getString("user_name");
                                                String userPoint = rs.getString("point");
                                                String userPhone = rs.getString("phone");

                                                        JSONObject tempJson = new JSONObject();
                                                        tempJson.put("userName", userName);
                                                        tempJson.put("userPoint", userPoint);
                                                        tempJson.put("userPhone", userPhone);

                                                        System.out.println(tempJson);
                                                        out.print(tempJson);
                                                        }
                                                }
                                        }
                                if(flag == 0)
                                        out.println("로그인 실패");
                                // 사용한 자원의 반납.
                                rs.close();
                                pstmt.close();
                                conn.close();
                        } catch (Exception e) {
                                System.out.println(e);
                        }
                %>

</BODY>
</HTML>
```

index.html
```html
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
      <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Admin Page</title>

    <script src="https://use.fontawesome.com/acdb546018.js"></script>
        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />
</head>
<body>

    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
           <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />

                    </a>

                </div>
            </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">


                    <li class="active-link">
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                    </li>
                    <li>
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                            <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                            <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
                    </li>

                    <li>
                        <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
                    </li>
                    <li>
                        <a href="UserManagement.jsp"><i class="fa fa-users"></i>회원 관리</a>
                    </li>
```

```html
          </ul>
                    </div>

    </nav>
    <!-- /. NAV SIDE  -->
    <div id="page-wrapper" >
        <div id="page-inner">
            <div class="row">
                <div class="col-lg-12">
                  <h2>ADMIN DASHBOARD</h2>
                  </div>
            </div>
             <!-- /. ROW  -->
             <hr />
            <div class="row">
                <div class="col-lg-12 ">
                    <div class="alert alert-info">
                         <strong>관리자님 반갑습니다! </strong> 오늘의 업무를 확인해 주세요.
                    </div>

                </div>
                </div>
             <!-- /. ROW  -->
                    <div class="row text-center pad-top">
            <div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
                <div class="div-square">
                    <a href="CartConnectionStateList.jsp" >

                                            <i class="fa fa-shopping-cart fa-5x" aria-hidden="true"></i>
                    <h4>카트 연결 상황</h4>
                    </a>
                    </div>


                </div>
             <div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
                <div class="div-square">
                    <a href="list.jsp" >
                                            <i class="fa fa-clipboard fa-5x"></i>
                    <h4>상품 보기</h4>
                    </a>
                    </div>


                </div>
                    <div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
                <div class="div-square">
                    <a href="insert.html" >
                    <i class="fa fa-plus fa-5x" aria-hidden="true"></i>

                    <h4>상품 추가 </h4>
                    </a>
                    </div>


                </div>

                <div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
                    <div class="div-square">
                        <a href="ProductDelete.jsp" >
<i class="fa fa-minus fa-5x"></i>
                    <h4>상품 삭제</h4>
                    </a>
                    </div>


                </div>

                <div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
                    <div class="div-square">
                        <a href="ProductQueryResponse.jsp" >
                        <i class="fa fa-search fa-5x" aria-hidden="true"></i>
                    <h4>상품 검색</h4>
                    </a>
                    </div>
```

```html
			</div>

			<div class="col-lg-2 col-md-2 col-sm-2 col-xs-6">
				<div class="div-square">
					<a href="UserManagement.jsp" >
								<i class="fa fa-users fa-5x"></i>
					<h4>회원 관리</h4>
					</a>
				</div>


			</div>



			<!-- /. ROW  -->
		</div>
			<!-- /. PAGE INNER  -->
		</div>
		<!-- /. PAGE WRAPPER  -->
		</div>
	<div class="footer">


		<div class="row">
			<div class="col-lg-12" >
				&copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
			</div>
		</div>
	</div>


	<!-- /. WRAPPER  -->
	<!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
	<!-- JQUERY SCRIPTS -->
	<script src="jquery-1.10.2.js"></script>
	 <!-- BOOTSTRAP SCRIPTS -->
	<script src="bootstrap.min.js"></script>
	 <!-- CUSTOM SCRIPTS -->
	<script src="custom.js"></script>

</body>
</html>
```

CartConnectionStateList.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>


<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>카트 연결 상황</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>



            </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">



                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li class="active-link">
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황  </a>
                    </li>
                    <li>
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                    <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                    <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
                    </li>
```

```html
                    <li>
                        <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
                    </li>
                    <li>
                        <a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
                    </li>


                </ul>
                    </div>

    </nav>
    <!-- /. NAV SIDE  -->
    <div id="page-wrapper" >
        <div id="page-inner">
            <div class="row">
                <div class="col-md-12">
                    <h2>카트 연결 상황</h2>
                </div>
            </div>
            <!-- /. ROW  -->
            <hr />

            <hr>
            <div class="row">
                <div class="col-lg-6 col-md-6">

                    <table class="table table-striped table-bordered table-hover">
                        <thead>
                            <tr>
                                <th>카트번호</th>
                                <th>연결상태</th>

                            </tr>
                        </thead>
                        <tbody>
<%
        //db에서 상품정보 얻어와 테이블에 출력하기
        Connection conn = null;
        PreparedStatement pstmt = null;
        ResultSet rs = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";


        try     {
                try{
                        // JDBC 드라이버 로드
                        Class.forName("com.mysql.jdbc.Driver");
                        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                        }catch(ClassNotFoundException e) {
                                System.out.println("드라이버 검색 실패");
                                }
                        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample",
"root", "com123");

                        }catch(SQLException e) {
                                System.out.println("sql 접속 실패");
                                }

                String sql = "select * from cart";

                pstmt = conn.prepareStatement(sql);

                rs = pstmt.executeQuery();


                while(rs.next())  {
                        String id = rs.getString("cart_id");
                        int isUse = rs.getInt("cart_use");
```

```jsp
                                if(isUse == 0) {
                                        out.println("<tr><td width='100'>" + id +
"</td><td>사용가능</td></tr>");
                                }
                                else{
                                        out.println("<tr><td width='100'>" + id +
"</td><td>사용중</td></tr>");
                                }
                        }

                } catch(SQLException se)        {
                        System.out.println(se.getMessage());
                }finally{
                        rs.close();
                        pstmt.close();
                        conn.close();
                }

        %>
</tbody>
</table>
 </div>

        </div>
        <!-- /. PAGE WRAPPER  -->
        </div>
    <div class="footer">


            <div class="row">
                <div class="col-lg-12" >
                    &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
                </div>
        </div>
        </div>


    <!-- /. WRAPPER  -->
    <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
    <!-- JQUERY SCRIPTS -->
    <script src="jquery-1.10.2.js"></script>
     <!-- BOOTSTRAP SCRIPTS -->
    <script src="bootstrap.min.js"></script>
     <!-- CUSTOM SCRIPTS -->
    <script src="custom.js"></script>

</body>
</html>
```

CartConnectionJson.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>
<%@page import="org.json.simple.JSONObject"%>
<%@page import="org.json.simple.JSONArray"%>
<%
        request.setCharacterEncoding("utf-8");
%>
<%
        // 데이터베이스 연결관련 변수 선언
        Connection conn = null;
        PreparedStatement pstmt = null;
        // 데이터베이스 연결관련정보를 문자열로 선언
        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";
        try {
                // JDBC 드라이버 로드
                Class.forName(jdbc_driver);
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                conn = DriverManager.getConnection(jdbc_url, "root", "com123");
                }catch (Exception e) {
                        System.out.println(e);
                }
%>
<HTML>
<HEAD>
<TITLE>카트연결정보</TITLE>
</HEAD>
<BODY>
<%
                        try {
                                // select 문장을 문자열 형태로 구성한다.
                                String sql = "select * from cart";
                                pstmt = conn.prepareStatement(sql);
                                // select 문장을 수행하면 데이터정보가 ResultSet 클래스의 인스턴스로 리턴됨.
                                ResultSet rs = pstmt.executeQuery();
                                // 마지막 데이터까지 반복함.
                                String id = null;
                                int isUse = 0;
                                int i = 0;

                                JSONObject Json = new JSONObject();

                                JSONArray itemList = new JSONArray();

                                while(rs.next()) {
                                                id = rs.getString("cart_id");
                                                isUse = rs.getInt("cart_use");
                                                JSONObject tempJson = new JSONObject();

                                                        tempJson.put("id", id);
                                                        tempJson.put("isUse", isUse);
                                                        itemList.add(tempJson);

                                                        i++;
                                }
                                Json.put("Total", i+1);
                                Json.put("List", itemList);

                                System.out.println(Json);
                                out.print(Json);

                                // 사용한 자원의 반납.
                                rs.close();
                                pstmt.close();
                                conn.close();
                        } catch (Exception e) {
                                System.out.println(e);
                        }
                %>

</BODY>
</HTML>
```

CartConnectionChange

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>

<%
    request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>카트 연결상태 변경 결과</TITLE>
</HEAD>
<BODY>
<%
    String id = request.getParameter("id");
    int isUse = Integer.parseInt(request.getParameter("isUse"));

    //db에 저장하기

    Connection conn = null;
    PreparedStatement pstmt = null;

    String jdbc_driver = "com.mysql.jdbc.Driver";
    String jdbc_url = "jdbc:mysql://localhost/sample";

    int n = 0;

    try {
        try{
        // JDBC 드라이버 로드
        Class.forName("com.mysql.jdbc.Driver");
        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
        }catch(ClassNotFoundException e) {
            System.out.println("드라이버 검색 실패");
        }
        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
        try{
        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample", "root", "com123");
        }catch(SQLException e) {
            System.out.println("sql 접속 실패");
        }
        String sql = "update cart set cart_id = ?, cart_use = ? where cart_id = '" + id + "'";
        pstmt = conn.prepareStatement(sql);

        pstmt.setString(1, id);
        pstmt.setInt(2, isUse);

        n = pstmt.executeUpdate();
        out.println(n);

    } catch(SQLException se)        {
            System.out.println(se.getMessage());
    }finally{
            pstmt.close();
            conn.close();
    }
%>
<script type="text/javascript">
    if(<%=n%> > 0) {
            alert("정상적으로 변경되었습니다.");
            location.href="http://52.79.205.255:8080/Sample/index.html";
    }
    else    {
            alert("변경 실패했습니다.");
            history.go(-1);
    }
</script>
</body>
</html>
```

insert.html

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>상품 추가</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
          <div class="adjust-nav">
              <div class="navbar-header">
                  <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                      <span class="icon-bar"></span>
                      <span class="icon-bar"></span>
                      <span class="icon-bar"></span>
                  </button>
                  <a class="navbar-brand" href="#">
                      <img src="logo.png" />
                  </a>
              </div>



          </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">



                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황  </a>
                    </li>
                    <li>
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>
                                <li class="active-link">
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                    <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
                    </li>

                    <li>
                        <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
                    </li>
                    <li>
```

```html
                    <a href="UserManagement.jsp"><i class="fa fa-users"></i>회원 관리</a>
                </li>


                </ul>
                    </div>

        </nav>
        <!-- /. NAV SIDE  -->
        <div id="page-wrapper" >
            <div id="page-inner">
                <div class="row">
                    <div class="col-md-12">
                        <h2>상품 리스트</h2>
                    </div>
                </div>
                <!-- /. ROW  -->
                <hr />
                <div class="row">
                    <div class="col-lg-4 col-md-4">
                        <div class="form-group">
                        <form method="post"    action="insert.jsp">
                <fieldset id="regbox">
                        <label for="id">아이디</label>
                        <input class="form-control" type="text" name="id"/><br/>
                        <label for="name">상품이름</label>
                        <input class="form-control" type="text" name="name"/><br/>
                        <label for="price">가격</label>
                        <input class="form-control" type="text" name="price"/><br/>
                        <label for="brand">브랜드</label>
                        <input class="form-control" type="text" name="brand"/><br/>
                        <label for="position">위치</label>
                        <input class="form-control" type="text" name="position"/><br/>
                        <label for="discount">할인율</label>
                        <input class="form-control" type="text" name="discount"/><br/>
                        <input class="btn btn-success" type="submit" value="등록"/>
                        <input class="btn btn-default" type="reset" value="취소"/>
                </fieldset>
            </form>
     <!-- /. ROW  -->
    </div>
            <!-- /. PAGE INNER  -->
          </div>
        <!-- /. PAGE WRAPPER  -->
        </div>
    <div class="footer">


            <div class="row">
                <div class="col-lg-12" >
                    &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
                </div>
        </div>
        </div>


    <!-- /. WRAPPER  -->
    <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
    <!-- JQUERY SCRIPTS -->
    <script src="jquery-1.10.2.js"></script>
     <!-- BOOTSTRAP SCRIPTS -->
    <script src="bootstrap.min.js"></script>
     <!-- CUSTOM SCRIPTS -->
    <script src="custom.js"></script>

</body>
</html>
```

insert.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=utf-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>

<%
        request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>상품 추가 결과</TITLE>
</HEAD>
<BODY>
<%
        String id = request.getParameter("id");
        String name = request.getParameter("name");
        String price = request.getParameter("price");
        String brand = request.getParameter("brand");
        String position = request.getParameter("position");
        String discount = request.getParameter("discount");
        String nfc_id = "0";

        Connection conn = null;
        PreparedStatement pstmt = null;
        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";

        int n = 0;
        try {
                try{
                // JDBC 드라이버 로드
                Class.forName("com.mysql.jdbc.Driver");
                //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                }catch(ClassNotFoundException e) {
                        System.out.println("드라이버 검색 실패");
                }
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                conn = DriverManager.getConnection("jdbc:mysql://localhost/sample", "root", "com123");
                }catch(SQLException e) {
                        System.out.println("sql 접속 실패");}
                String sql = "insert into product values(?,?,?,?,?,?,?)";
                pstmt = conn.prepareStatement(sql);

                pstmt.setString(1, id);
                pstmt.setString(2, brand);
                pstmt.setString(3, name);
                pstmt.setString(4, price);
                pstmt.setString(5, position);
                pstmt.setString(6, discount);
                pstmt.setString(7, nfc_id);

                n = pstmt.executeUpdate();
                out.println(n);

        } catch(SQLException se)        {
                System.out.println(se.getMessage());
        }finally{
                pstmt.close();
                conn.close();
        }
%>
<script type="text/javascript">
        if(<%=n%> > 0) {
                alert("정상적으로 등록되었습니다.");
                location.href="http://52.79.205.255:8080/Sample/list.jsp";
        }
        else    {
                alert("등록 실패했습니다.");
                history.go(-1);
        }
</script>
</body>
</html>
```

list.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>


<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>상품 list</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>


        </div>
    </div>
    <!-- /. NAV TOP  -->
    <nav class="navbar-default navbar-side" role="navigation">
        <div class="sidebar-collapse">
            <ul class="nav" id="main-menu">



                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                    </li>
                    <li class="active-link">
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                    <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                    <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
```

```html
                </li>

                <li>
                    <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
                </li>
                <li>
                    <a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
                </li>


            </ul>
                    </div>

        </nav>
        <!-- /. NAV SIDE  -->
        <div id="page-wrapper" >
            <div id="page-inner">
                <div class="row">
                    <div class="col-md-12">
                        <h2>상품 리스트</h2>
                    </div>
                </div>
                <!-- /. ROW  -->
                <hr />

                <hr>
                <div class="row">
                    <div class="col-lg-6 col-md-6">

                        <table class="table table-striped table-bordered table-hover">
                            <thead>
                                <tr>
                                    <th>Id</th>
                                    <th>상품이름</th>
                                    <th>가격</th>
                                    <th>할인율</th>
                                </tr>
                            </thead>
                            <tbody>
<%
        //db에서 상품정보 얻어와 테이블에 출력하기
        Connection conn = null;
        PreparedStatement pstmt = null;
        ResultSet rs = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";


        try     {
                try{
                        // JDBC 드라이버 로드
                        Class.forName("com.mysql.jdbc.Driver");
                        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                        }catch(ClassNotFoundException e) {
                                System.out.println("드라이버 검색 실패");
                                }
                        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample",
"root", "com123");

                        }catch(SQLException e) {
                                System.out.println("sql 접속 실패");
                                }

                String sql = "select * from product";

                pstmt = conn.prepareStatement(sql);

                rs = pstmt.executeQuery();


                while(rs.next()) {
```

```jsp
                    String id = rs.getString("product_id");
                    String name = rs.getString("product_name");
                    String price = rs.getString("price");
                    String discount = rs.getString("discount");

                    out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" + price +
"</td><td>" + discount + "</td></tr>");
                }

            } catch(SQLException se)        {
                    System.out.println(se.getMessage());
            }finally{
                    rs.close();
                    pstmt.close();
                    conn.close();
            }

    %>
    </tbody>
</table>
 </div>

        </div>
        <!-- /. PAGE WRAPPER  -->
        </div>
    <div class="footer">


        <div class="row">
            <div class="col-lg-12" >
                &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
            </div>
        </div>
        </div>


  <!-- /. WRAPPER  -->
  <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
  <!-- JQUERY SCRIPTS -->
  <script src="jquery-1.10.2.js"></script>
   <!-- BOOTSTRAP SCRIPTS -->
  <script src="bootstrap.min.js"></script>
   <!-- CUSTOM SCRIPTS -->
  <script src="custom.js"></script>

</body>
</html>
```

ProductDelete.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>


<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>상품 list</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>



            </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">



                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                    </li>
                    <li >
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                    <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                    <li class="active-link">
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
```

```jsp
                    </li>

                    <li>
                        <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
                    </li>
                    <li>
                        <a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
                    </li>


                </ul>
                        </div>

        </nav>
        <!-- /. NAV SIDE  -->
        <div id="page-wrapper" >
            <div id="page-inner">
                <div class="row">
                    <div class="col-md-12">
                        <h2>상품 리스트</h2>
                    </div>
                </div>
                <!-- /. ROW  -->
                <hr />

                <hr>
                <div class="row">
                    <div class="col-lg-6 col-md-6">

                        <table class="table table-striped table-bordered table-hover">
                            <thead>
                                <tr>
                                    <th>Id</th>
                                    <th>상품이름</th>
                                    <th>가격</th>
                                    <th>할인율</th>
                                    <th>삭제</th>
                                </tr>
                            </thead>
                            <tbody>
<%
        //db에서 상품정보 얻어와 테이블에 출력하기
        Connection conn = null;
        PreparedStatement pstmt = null;
        ResultSet rs = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";


        try     {
                try{
                        // JDBC 드라이버 로드
                        Class.forName("com.mysql.jdbc.Driver");
                        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                        }catch(ClassNotFoundException e) {
                                System.out.println("드라이버 검색 실패");
                                }
                        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample",
"root", "com123");
                        }catch(SQLException e) {
                                System.out.println("sql 접속 실패");
                                }

                String sql = "select * from product";

                pstmt = conn.prepareStatement(sql);

                rs = pstmt.executeQuery();
```

```jsp
                            while(rs.next()) {
                                    String id = rs.getString("product_id");
                                    String name = rs.getString("product_name");
                                    String price = rs.getString("price");
                                    String discount = rs.getString("discount");

                                    out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" + price +
"</td><td>" + discount + "</td><td><a href='DeleteProductResult.jsp?id="+ id +"' target='_blank' class='btn
btn-danger btn-lg btn-block'>삭제</a></td></tr>");
                            }

                    } catch(SQLException se)         {
                            System.out.println(se.getMessage());
                    }finally{
                            rs.close();
                            pstmt.close();
                            conn.close();
                    }

        %>
        </tbody>
</table>
 </div>

         </div>
         <!-- /. PAGE WRAPPER  -->
         </div>
    <div class="footer">


            <div class="row">
                <div class="col-lg-12" >
                    &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아룬 이지호 양혜임
위혜진
                </div>
        </div>
        </div>


    <!-- /. WRAPPER  -->
    <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
    <!-- JQUERY SCRIPTS -->
    <script src="jquery-1.10.2.js"></script>
      <!-- BOOTSTRAP SCRIPTS -->
    <script src="bootstrap.min.js"></script>
      <!-- CUSTOM SCRIPTS -->
    <script src="custom.js"></script>

</body>
</html>
```

DeleteProductResult.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=utf-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>

<%
        request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>상품 삭제</TITLE>
</HEAD>
<BODY>
<%
        String id = request.getParameter("id");

        //db에 저장하기

        Connection conn = null;
        PreparedStatement pstmt = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";

        int n = 0;

        try {
                try{
                // JDBC 드라이버 로드
                Class.forName("com.mysql.jdbc.Driver");
                //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                }catch(ClassNotFoundException e) {
                        System.out.println("드라이버 검색 실패");
                }
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                conn = DriverManager.getConnection("jdbc:mysql://localhost/sample", "root", "com123");
                }catch(SQLException e) {
                        System.out.println("sql 접속 실패");
                }
                String sql = "delete from product where product_id = ?";
                pstmt = conn.prepareStatement(sql);

                pstmt.setString(1, id);

                n = pstmt.executeUpdate();
                out.println(n);

        } catch(SQLException se)           {
                System.out.println(se.getMessage());
        }finally{
                pstmt.close();
                conn.close();
        }
%>
<script type="text/javascript">
        if(<%=n%> > 0) {
                alert("정상적으로 삭제 되었습니다.");
                location.href="http://52.79.205.255:8080/Sample/ProductDelete.jsp";
        }
        else    {
                alert("삭제 실패했습니다.");
                history.go(-1);
        }
</script>
</body>
</html>
```

ProductQueryResponse.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>상품 검색</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>

            </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">


                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                    </li>
                    <li>
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                    <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>

                    <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
                    </li>

                    <li class="active-link">
```

```html
          <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
        </li>
        <li>
          <a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
        </li>


      </ul>
        </div>

    </nav>
    <!-- /. NAV SIDE  -->
    <div id="page-wrapper" >
      <div id="page-inner">
        <div class="row">
          <div class="col-md-12">
            <h2>상품 검색</h2>
          </div>
        </div>
        <!-- /. ROW  -->
        <hr />
        <div class="row">
          <div class="col-lg-4 col-md-4">
          <div class="panel-group" id="accordion">
              <div class="panel panel-default">
                <div class="panel-heading">
                  <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion"
href="#collapseOne" class="collapsed">상품이름 검색</a>
                  </h4>
                </div>
                <div id="collapseOne" class="panel-collapse collapse" style="height: 0px;">
                  <div class="panel-body">
                    <div class="form-group">
                      <form method="post"    action="ProductQueryResult.jsp">
                        <fieldset id="regbox">

                          <input class="form-control" type="text"
name="product_name"/><br/>
                  </div>
                </div>
              </div>
              <div class="panel panel-default">
                <div class="panel-heading">
                  <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion"
href="#collapseTwo">종류 검색</a>
                  </h4>
                </div>
                <div id="collapseTwo" class="panel-collapse in" style="height: auto;">
                  <div class="panel-body">
                    <input class="form-control" type="text" name="kind_name"/><br/>

                  </div>
                </div>
              </div>
              <div class="panel panel-default">
                <div class="panel-heading">
                  <h4 class="panel-title">
                    <a data-toggle="collapse" data-parent="#accordion"
href="#collapseThree" class="collapsed">브랜드 검색</a>
                  </h4>
                </div>
                <div id="collapseThree" class="panel-collapse collapse">


                  <div class="panel-body">
                    <input class="form-control" type="text"
name="brand_name"/><br/>
                  </div>
                </div>
              </div>
            </div>

            <input class="btn btn-success" type="submit" value="검색"/>
```

```html
                        <input class="btn btn-default" type="reset" value="취소"/>
                </fieldset>
        </form>
 <!-- /. ROW  -->
  </div>
            <!-- /. PAGE INNER  -->
          </div>
        <!-- /. PAGE WRAPPER  -->
        </div>
    <div class="footer">


            <div class="row">
                <div class="col-lg-12" >
                  &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
                </div>
        </div>
        </div>


  <!-- /. WRAPPER  -->
  <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
  <!-- JQUERY SCRIPTS -->
  <script src="jquery-1.10.2.js"></script>
    <!-- BOOTSTRAP SCRIPTS -->
  <script src="bootstrap.min.js"></script>
    <!-- CUSTOM SCRIPTS -->
  <script src="custom.js"></script>

</body>
</html>
```

ProductQueryResult.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>
<%
        request.setCharacterEncoding("utf-8");
%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>상품 list</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>


            </div>
        </div>
        <!-- /. NAV TOP  -->
        <nav class="navbar-default navbar-side" role="navigation">
            <div class="sidebar-collapse">
                <ul class="nav" id="main-menu">



                    <li >
                        <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                    </li>


                    <li>
                        <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                    </li>
                    <li class="active-link">
                        <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                    </li>

                    <li>
                        <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                    </li>
```

```jsp
					<li>
						<a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
					</li>


					<li>
						<a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
					</li>
					<li>
						<a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
					</li>


				</ul>
					</div>


		</nav>
		<!-- /. NAV SIDE  -->
		<div id="page-wrapper" >
			<div id="page-inner">
				<div class="row">
					<div class="col-md-12">
						<h2>상품 리스트</h2>
					</div>
				</div>
				<!-- /. ROW  -->
				<hr />

				<hr>
				<div class="row">
					<div class="col-lg-6 col-md-6">

						<table class="table table-striped table-bordered table-hover">
							<thead>
								<tr>
									<th>Id</th>
									<th>상품이름</th>
									<th>가격</th>
									<th>할인율</th>
								</tr>
							</thead>
							<tbody>
<%
		//db에서 상품정보 얻어와 테이블에 출력하기
		Connection conn = null;
		PreparedStatement pstmt = null;
		ResultSet rs = null;

		String jdbc_driver = "com.mysql.jdbc.Driver";
		String jdbc_url = "jdbc:mysql://localhost/sample";


		try		{
				try{
						// JDBC 드라이버 로드
						Class.forName("com.mysql.jdbc.Driver");
						//System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
						}catch(ClassNotFoundException e) {
								System.out.println("드라이버 검색 실패");
								}
						// 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
				try{
						conn = DriverManager.getConnection("jdbc:mysql://localhost/sample",
"root", "com123");
						}catch(SQLException e) {
								System.out.println("sql 접속 실패");
								}

				String sql = "select product.product_id, product.product_name, product.price,
product.discount, brand.brand_name, kind.kind_name from product, brand, kind where product.brand_id
= brand.brand_id and kind.kind_id = brand.kind_id";

				pstmt = conn.prepareStatement(sql);
```

```jsp
                rs = pstmt.executeQuery();
                int flag = 0;

                while(rs.next())  {

if(request.getParameter("product_name").equals(rs.getString("product_name")))
                {
                        flag = 1;
                        String id = rs.getString("product_id");

                        String name = rs.getString("product_name");

                        String price = rs.getString("price");

                        String discount = rs.getString("discount");


                        out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" +
price + "</td><td>" + discount + "</td></tr>");
                }
                else
if(request.getParameter("brand_name").equals(rs.getString("brand_name")))
                {
                        flag = 1 ;

                        String id = rs.getString("product_id");
                        String name = rs.getString("product_name");
                        String price = rs.getString("price");
                        String discount = rs.getString("discount");

                        out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" +
price + "</td><td>" + discount + "</td></tr>");
                }
                else if (request.getParameter("kind_name").equals(rs.getString("kind_name")))
                {
                        String id = rs.getString("product_id");
                        String name = rs.getString("product_name");
                        String price = rs.getString("price");
                        String discount = rs.getString("discount");

                        out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" +
price + "</td><td>" + discount + "</td></tr>");
                }
                }
                if(flag == 0)
                {
                        out.println("해당 상품이 없습니다.");
                }

        } catch(SQLException se)        {
                System.out.println(se.getMessage());
        }finally{
                rs.close();
                pstmt.close();
                conn.close();
        }

%>
</tbody>
</table>
</div>

        </div>
    <!-- /. PAGE WRAPPER  -->
    </div>
    <div class="footer">


        <div class="row">
            <div class="col-lg-12" >
                &copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
            </div>
        </div>
    </div>
```

```html
        </div>

    <!-- /. WRAPPER  -->
    <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
    <!-- JQUERY SCRIPTS -->
    <script src="jquery-1.10.2.js"></script>
      <!-- BOOTSTRAP SCRIPTS -->
    <script src="bootstrap.min.js"></script>
      <!-- CUSTOM SCRIPTS -->
    <script src="custom.js"></script>

</body>
</html>
```

ProductQuery.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>
<%@page import="org.json.simple.JSONObject"%>
<%@page import="org.json.simple.JSONArray"%>
<%
        request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>상품 검색 결과</TITLE>
</HEAD>
<BODY>
<%
        String name = request.getParameter("product_name");
        String brname = request.getParameter("brand_name");
        String kname = request.getParameter("kind_name");

        Connection conn = null;
        PreparedStatement pstmt = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";

        try {
                // JDBC 드라이버 로드
                Class.forName(jdbc_driver);

                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                conn = DriverManager.getConnection(jdbc_url, "root", "com123");

                // select 문장을 문자열 형태로 구성한다.
                String sql = "select product.product_id, product.product_name, product.price,
brand.brand_name, kind.kind_name from product, brand, kind where product.brand_id = brand.brand_id
and kind.kind_id = brand.kind_id";
                pstmt = conn.prepareStatement(sql);

                // select 문장을 수행하면 데이터정보가 ResultSet 클래스의 인스턴스로 리턴됨.
                ResultSet rs = pstmt.executeQuery();

                // 마지막 데이터까지 반복 함.
                                int flag = 0;
                                int i = 0;

                                String proName = null;
                                String proId = null;
                        String proPrice = null;
                        String proBrandName = null;

                        JSONObject Json = new JSONObject();
                                JSONArray itemList = new JSONArray();


                                while(rs.next()) {
                                        if(name != "") {
                                                if(rs.getString("product_name").equals(name)) {

                                                        flag = 1;
                                                        proName = rs.getString("product_name");
                                                        proId = rs.getString("product_id");
                                                proPrice = rs.getString("price");
                                                proBrandName = rs.getString("brand_name");

                                                JSONObject tempJson = new JSONObject();

                                                tempJson.put("proName", proName);
                                                tempJson.put("proId", proId);
                                                tempJson.put("proPrice", proPrice);
                                                tempJson.put("proBrandName", proBrandName);
                                                itemList.add(tempJson);
                                                i++;
```

```jsp
                                    }
                            }
                            else if(brname != ""){
                                    if(rs.getString("brand_name").equals(brname)) {
                                            flag = 1;
                                            proName = rs.getString("product_name");
                                            proId = rs.getString("product_id");
                                    proPrice = rs.getString("price");
                                    proBrandName = rs.getString("brand_name");

                                    JSONObject tempJson = new JSONObject();

                                    tempJson.put("proName", proName);
                                            tempJson.put("proId", proId);
                                            tempJson.put("proPrice", proPrice);
                                            tempJson.put("proBrandName",
proBrandName);

                                            itemList.add(tempJson);

                                            i++;
                                    }
                            }
                            else{
                                    if(rs.getString("kind_name").equals(kname)) {
                                            flag = 1;
                                            proName = rs.getString("product_name");
                                            proId = rs.getString("product_id");
                                    proPrice = rs.getString("price");
                                    proBrandName = rs.getString("brand_name");

                                    JSONObject tempJson = new JSONObject();

                                    tempJson.put("proName", proName);
                                            tempJson.put("proId", proId);
                                            tempJson.put("proPrice", proPrice);
                                            tempJson.put("proBrandName", proBrandName);
                                            itemList.add(tempJson);

                                            i++;
                                    }
                            }
                    }

                    if(flag == 0)
                    {
                            out.println("해당상품이 없습니다.");
                    }
                    else{
                            Json.put("Total", i);
                            Json.put("List", itemList);

                            System.out.println(Json);
                            out.print(Json);
                    }
                    // 사용한 자원의 반납.
                    rs.close();
                    pstmt.close();
                    conn.close();
            }
            catch (Exception e) {
                    System.out.println(e);
            }
%>
</BODY>
</HTML>
```

UserManagement.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>


<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>회원 관리</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <!-- BOOTSTRAP STYLES-->
    <link href="bootstrap.css" rel="stylesheet" />
     <!-- FONTAWESOME STYLES-->
    <link href="font-awesome.css" rel="stylesheet" />
        <!-- CUSTOM STYLES-->
    <link href="custom.css" rel="stylesheet" />
     <!-- GOOGLE FONTS-->
   <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />


</head>
<body>



    <div id="wrapper">
        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="adjust-nav">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".sidebar-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand" href="#">
                        <img src="logo.png" />
                    </a>
                </div>


        </div>
    </div>
    <!-- /. NAV TOP  -->
    <nav class="navbar-default navbar-side" role="navigation">
        <div class="sidebar-collapse">
            <ul class="nav" id="main-menu">



                <li >
                    <a href="index.html" ><i class="fa fa-desktop "></i>메뉴 </a>
                </li>


                <li>
                    <a href="CartConnectionStateList.jsp"><i class="fa fa-shopping-cart "></i>카트 연결
상황 </a>
                </li>
                <li >
                    <a href="list.jsp"><i class="fa fa-clipboard "></i>상품 보기  </a>
                </li>

                <li>
                    <a href="insert.html"><i class="fa fa-plus "></i>상품 추가</a>
                </li>

                <li>
                        <a href="ProductDelete.jsp"><i class="fa fa-minus "></i>상품 삭제</a>
```

```html
            </li>

            <li>
                <a href="ProductQueryResponse.jsp"><i class="fa fa-search "></i>상품 검색</a>
            </li>
            <li class="active-link">
                <a href="UserManagement.jsp"><i class="fa fa-users "></i>회원 관리</a>
            </li>


        </ul>
                    </div>

    </nav>
    <!-- /. NAV SIDE  -->
    <div id="page-wrapper" >
        <div id="page-inner">
            <div class="row">
                <div class="col-md-12">
                    <h2>회원 리스트</h2>
                </div>
            </div>
            <!-- /. ROW  -->
            <hr />

            <hr>
            <div class="row">
                <div class="col-lg-6 col-md-6">

                    <table class="table table-striped table-bordered table-hover">
                        <thead>
                            <tr>
                                <th>아이디</th>
                                <th>회원 이름</th>
                                <th>패스워드</th>
                                <th>휴대전화</th>
                                <th>적립 포인트</th>
                                <th>탈퇴</th>

                            </tr>
                        </thead>
                        <tbody>
<%
        //db에서 상품정보 얻어와 테이블에 출력하기
        Connection conn = null;
        PreparedStatement pstmt = null;
        ResultSet rs = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";


        try     {
                try{
                        // JDBC 드라이버 로드
                        Class.forName("com.mysql.jdbc.Driver");
                        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                        }catch(ClassNotFoundException e) {
                                System.out.println("드라이버 검색 실패");
                                }
                        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample",
"root", "com123");

                        }catch(SQLException e) {
                                System.out.println("sql 접속 실패");
                                }

            String sql = "select * from user";

            pstmt = conn.prepareStatement(sql);

            rs = pstmt.executeQuery();
```

```jsp
					while(rs.next())  {
							String id = rs.getString("_id");
							String name = rs.getString("user_name");
							String pw = rs.getString("user_pw");
							String phone = rs.getString("phone");
							String point = rs.getString("point");

							out.println("<tr><td>" + id + "</td><td>" + name + "</td><td>" + pw +
"</td><td>" + phone + "</td><td>" + point + "</td><td>" + "<a href='DeleteUser.jsp?id="+ id +"'
target='_blank' class='btn btn-danger btn-lg btn-block'>탈퇴</a></td></tr>");
					}

			} catch(SQLException se)		{
					System.out.println(se.getMessage());
			}finally{
					rs.close();
					pstmt.close();
					conn.close();
			}

	%>
	</tbody>
</table>
 </div>

		</div>
		<!-- /. PAGE WRAPPER  -->
		</div>
	<div class="footer">


			<div class="row">
				<div class="col-lg-12" >
					&copy;  2017 DongdukMart.com | Project By : ComputerSience 이아륜 이지호 양혜임
위혜진
				</div>
		</div>
		</div>


	<!-- /. WRAPPER  -->
	<!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
	<!-- JQUERY SCRIPTS -->
	<script src="jquery-1.10.2.js"></script>
	 <!-- BOOTSTRAP SCRIPTS -->
	<script src="bootstrap.min.js"></script>
	 <!-- CUSTOM SCRIPTS -->
	<script src="custom.js"></script>

</body>
</html>
```

DeleteUser.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=utf-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>

<%
        request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>회원 탈퇴</TITLE>
</HEAD>
<BODY>
<%
        String id = request.getParameter("id");

        //db에 저장하기

        Connection conn = null;
        PreparedStatement pstmt = null;

        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";

        int n = 0;

        try {
                try{
                // JDBC 드라이버 로드
                Class.forName("com.mysql.jdbc.Driver");
                //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
                }catch(ClassNotFoundException e) {
                        System.out.println("드라이버 검색 실패");
                }
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                try{
                conn = DriverManager.getConnection("jdbc:mysql://localhost/sample", "root", "com123");
                }catch(SQLException e) {
                        System.out.println("sql 접속 실패");
                }
                String sql = "delete from user where _id = ?";
                pstmt = conn.prepareStatement(sql);

                pstmt.setString(1, id);

                n = pstmt.executeUpdate();
                out.println(n);

        } catch(SQLException se)         {
                System.out.println(se.getMessage());
        }finally{
                pstmt.close();
                conn.close();
        }
%>
<script type="text/javascript">
        if(<%=n%> > 0) {
                alert("정상적으로 탈퇴 되었습니다.");
                location.href="http://52.79.205.255:8080/Sample/UserManagement.jsp";
        }
        else    {
                alert("탈퇴 실패했습니다.");
                history.go(-1);
        }
</script>
</body>
</html>
```

NFCQuery.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
        pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>
<%@page import="org.json.simple.JSONObject"%>
<%@page import="org.json.simple.JSONArray"%>
<%
        request.setCharacterEncoding("utf-8");
%>
<%
        // 데이터베이스 연결관련 변수 선언
        Connection conn = null;
        PreparedStatement pstmt = null;
        // 데이터베이스 연결관련정보를 문자열로 선언
        String jdbc_driver = "com.mysql.jdbc.Driver";
        String jdbc_url = "jdbc:mysql://localhost/sample";
        try {
                // JDBC 드라이버 로드
                Class.forName(jdbc_driver);
                // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
                conn = DriverManager.getConnection(jdbc_url, "root", "com123");
                }catch (Exception e) {
                        System.out.println(e);
                }
%>
<HTML>
<HEAD>
<TITLE>nfc Query Result</TITLE>
</HEAD>
<BODY>
<%

                        try {
                                // select 문장을 문자열 형태로 구성한다.
                                String sql = "select * from product";
                                pstmt = conn.prepareStatement(sql);
                                // select 문장을 수행하면 데이터정보가 ResultSet 클래스의 인스턴스로 리턴됨.
                                ResultSet rs = pstmt.executeQuery();
                                // 마지막 데이터까지 반복함.
                                int flag = 0;
                                while(rs.next()) {
                                        if(rs.getString("nfc_id").equals(request.getParameter("nfc_id"))) {
                                                flag = 1;
                                                String proName = rs.getString("product_name");
                                        String proPrice = rs.getString("price");


                                                JSONObject tempJson = new JSONObject();
                                                tempJson.put("proName", proName);
                                                tempJson.put("proPrice", proPrice);

                                                System.out.println(tempJson);
                                                out.print(tempJson);


                                        }
                                }
                                if(flag == 0)
                                {
                                        out.println("일치하는 상품이 없습니다.");
                                }
                                // 사용한 자원의 반납.
                                rs.close();
                                pstmt.close();
                                conn.close();
                        } catch (Exception e) {
                                System.out.println(e);
                        }
                %>

</BODY>
</HTML>
```

join.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.sql.*"%>

<%
    request.setCharacterEncoding("utf-8");
%>
<HTML>
<HEAD>
<TITLE>회원 가입 결과</TITLE>
</HEAD>
<BODY>
<%
    String id = request.getParameter("id");
    String name = request.getParameter("name");
    String passwd = request.getParameter("passwd");
    String phone = request.getParameter("phone");
    int point = 0;

    //db에 저장하기

    Connection conn = null;
    PreparedStatement pstmt = null;

    String jdbc_driver = "com.mysql.jdbc.Driver";
    String jdbc_url = "jdbc:mysql://localhost/sample";

    int n = 0;

    try {
        try{
        // JDBC 드라이버 로드
        Class.forName("com.mysql.jdbc.Driver");
        //System.setProperty("jdbc.drivers","com.mysql.jdbc.Driver");
        }catch(ClassNotFoundException e) {
            System.out.println("드라이버 검색 실패");
        }
        // 데이터베이스 연결정보를 이용해 Connection 인스턴스 확보
        try{
        conn = DriverManager.getConnection("jdbc:mysql://localhost/sample", "root", "com123");
        }catch(SQLException e) {
            System.out.println("sql 접속 실패");
        }
        String sql = "insert into user values(?,?,?,?,?)";
        pstmt = conn.prepareStatement(sql);

        pstmt.setString(1, id);
        pstmt.setString(2, name);
        pstmt.setString(3, passwd);
        pstmt.setString(4, phone);
        pstmt.setInt(5, point);

        n = pstmt.executeUpdate();
        out.println(n);

    } catch(SQLException se)        {
            System.out.println(se.getMessage());
    }finally{
            pstmt.close();
            conn.close();
    }
%>
<script type="text/javascript">
    if(<%=n%> > 0) {
            alert("정상적으로 등록되었습니다.");
            location.href="http://52.79.205.255:8080/Sample/index.html";
    }
    else    {
            alert("등록 실패했습니다.");
            history.go(-1);
    }
</script>
</body></html>
```

Client

- java 디렉토리

<BasketAdapter>

package com.example.weeheajin.cart;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

import java.util.ArrayList;

```java
public class BasketAdapter extends BaseAdapter {

    private Context context;
    private int layout;
    private ArrayList<BasketData> BasketDataList;
    private LayoutInflater layoutInflater;

    public BasketAdapter(Context context, int layout, ArrayList<BasketData> myBasketList) {
        this.context = context;
        this.layout = layout;
        BasketDataList = myBasketList;
        layoutInflater = (LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    }

    @Override
    public int getCount() {
        return BasketDataList.size();
    }

    @Override
    public Object getItem(int position) {
        return BasketDataList.get(position);
    }

    @Override
    public long getItemId(int position) {
        return BasketDataList.get(position).get_id();
    }

    @Override
    public View getView(int position, View view, ViewGroup viewGroup) {
        final int pos = position;

        if (view == null) {
            view = layoutInflater.inflate(layout, viewGroup, false);
        }

        TextView bsNum = (TextView)view.findViewById(R.id.bs_num);
        TextView bsName = (TextView)view.findViewById(R.id.bs_name);
        TextView bsPrice = (TextView)view.findViewById(R.id.bs_price);

        bsNum.setText(Integer.valueOf(BasketDataList.get(pos).get_id()).toString());
        bsName.setText(BasketDataList.get(pos).getbName());
        bsPrice.setText(BasketDataList.get(pos).getbPrice());

        return view;
    }
}
```

<BasketData>

package com.example.weeheajin.cart;

```java
public class BasketData {
```

```java
    private int _id;
    private String bName;
    private String bPrice;

    public BasketData(int _id, String bName, String bPrice) {//, String bBrand) {
        this._id = _id;
        this.bName = bName;
        this.bPrice = bPrice;
    }

    public int get_id() {
        return _id;
    }

    public void set_id(int _id) {
        this._id = _id;
    }

    public String getbName() {
        return bName;
    }

    public void setbName(String bName) {
        this.bName = bName;
    }

    public String getbPrice() {
        return bPrice;
    }

    public void setbPrice(String bPrice) {
        this.bPrice = bPrice;
    }

}
```

<BluetoothActivity>

```java
package com.example.weeheajin.cart;

import android.app.Activity;
import android.bluetooth.BluetoothAdapter;
import android.bluetooth.BluetoothDevice;
import android.bluetooth.BluetoothSocket;
import android.content.ContentValues;
import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.os.Handler;
import android.os.Message;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.webkit.WebView;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;
```

```java
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

import java.io.InputStream;
import java.io.OutputStream;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Date;
import java.util.List;
import java.util.Set;
import java.util.UUID;

/**
 * Created by weeheajin on 2017-08-09.
 */

public class BluetoothActivity extends AppCompatActivity {

    Check ch = new Check();
    String cartId = null;
    ArrayList<String> cartArr = null;
    ConnectivityManager conManager = null;
    NetworkInfo netInfo = null;
    WebView myWebView;
    String url = "";
    int total = 0;
    TextView tvTotal;
    int same = 0; //0=같지 않음, 1=같음
    AlertDialog.Builder builder;
    Intent intent;
    private ShoppingDBHelper shoppingDBHelper;
    String str = "";
    LinearLayout L1;
    LinearLayout L2;
    TextView tv_shop;
    int ok_check = 0;

    public BluetoothAdapter mBluetoothAdapter = null;
    public Set<BluetoothDevice> mDevices;
    private static final int REQUEST_ENABLE_BT = 100;

    BluetoothSocket mSocket = null;
    public OutputStream mOutputStream = null;
    public InputStream mInputStream = null;
    String mStrDelimiter = "\n";
    char mCharDelimiter =  '\n';

    public Thread mWorkerThread = null;
    public byte[] readBuffer;
    public int readBufferPosition;

    private ArrayList<BasketData> basketDataArrayList;
    private BasketAdapter basketAdapter;
    private ListView listView;

    private final Handler mHandler = new Handler() {
        //핸들러의 기능을 수행할 클래스(handleMessage)
        public void handleMessage(Message msg) {
            //BluetoothService로부터 메시지(msg)를 받는다.
            super.handleMessage(msg);
            Log.i("BluetoothTask", "블루투스 연결 성공");
        }
    };

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bluetooth);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        myWebView = (WebView) findViewById(R.id.webView);
        myWebView.getSettings().setJavaScriptEnabled(true);    // 자바스크립트를 사용할 수 있도록
```

해줍니다.

```java
        myWebView.getSettings().setBuiltInZoomControls(true);
        myWebView.loadUrl("http://52.79.205.255:8080/Sample/CartConnectionStateList.jsp");

        Button cartList = (Button)findViewById(R.id.cart_list_page);
        cartList.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                myWebView.reload();
            }
        });

        Button stop = (Button)findViewById(R.id.stop);
        stop.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if (cartId != null) {
                    sendData("D");
                    usingCart(cartId, 0);
                    ch.setCheck(false);
                    Toast.makeText(BluetoothActivity.this, "블루투스 연결이 끊어졌습니다",
Toast.LENGTH_SHORT).show();
                    try {
                        mWorkerThread.interrupt();    // 데이터 수신 쓰레드 종료
                        mInputStream.close();
                        mOutputStream.close();
                        mSocket.close();
                    }catch(Exception e) {
                        Log.i("BluetoothTask", "stop function Error");
                    }
                    finish();
                }
            }
        });

        tv_shop = (TextView)findViewById(R.id.tv_shop);
        tv_shop.setText("카트와 통신 준비 중입니다");

        tvTotal = (TextView) findViewById(R.id.tv_total);
        basketDataArrayList = new ArrayList<BasketData>();
        basketAdapter = new BasketAdapter(this, R.layout.basket_adapter_view, basketDataArrayList);
        listView = (ListView) findViewById(R.id.list_nfc);
        listView.setAdapter(basketAdapter);

        shoppingDBHelper = new ShoppingDBHelper(this);
    }

    @Override
    protected void onDestroy() {
        super.onDestroy();
        if (cartId != null) {
            sendData("D");
            usingCart(cartId, 0);
            ch.setCheck(false);
            Toast.makeText(BluetoothActivity.this, "블루투스 연결이 끊어졌습니다",
Toast.LENGTH_SHORT).show();
            try {
                mWorkerThread.interrupt();    // 데이터 수신 쓰레드 종료
                mInputStream.close();
                mOutputStream.close();
                mSocket.close();
            } catch (Exception e) {
                Log.i("BluetoothTask", "stop function Error");
            }
        }
    }

    public void checkBluetooth(View view) {
        mBluetoothAdapter = BluetoothAdapter.getDefaultAdapter();

        if(mBluetoothAdapter == null ) {
            // 블루투스 미지원 기기일 경우
            Toast.makeText(this, "기기가 블루투스를 지원하지 않습니다", Toast.LENGTH_LONG).show();
        }
        else {
```

```java
            if (!mBluetoothAdapter.isEnabled()) {
                // 장치가 블루투스를 지원하지만 비활성 상태인 경우
                // 블루투스를 활성 상태로 바꾸기 위해 사용자 동의 요청

                Intent enableBtIntent = new Intent(BluetoothAdapter.ACTION_REQUEST_ENABLE);
                startActivityForResult(enableBtIntent, REQUEST_ENABLE_BT);
                // onActivityResult메소드가 결과로 RESULT_OK를 받으면 블루투스를 활성화 시키고
                // 페어링 된 기기 목록을 보여주며 연결할 장치를 선택하게 할 것임.
            }
            else { // 블루투스가 활성화 되어 있는 상태
                select();
            }
        }
    }

    public void onActivityResult(int requestCode, int resultCode, Intent data) {
        switch (requestCode) {
            case REQUEST_ENABLE_BT:
                if (resultCode == Activity.RESULT_OK)
                    select();// 페어링 된 기기 목록을 보여주고 연결할 장치를 선택
                else if (resultCode == Activity.RESULT_CANCELED)
                    Toast.makeText(this, "블루투스를 사용하지 않습니다", Toast.LENGTH_SHORT).show();
                break;
        }
    }

    public void select() {
        // getBondedDevices() : 페어링된 장치 목록 얻어오는 함수.
        mDevices = mBluetoothAdapter.getBondedDevices();

        if(mDevices.size() == 0 ) {
            // 페어링된 장치가 없는 경우.
            Toast.makeText(getApplicationContext(), "페어링된 장치가 없습니다.",
Toast.LENGTH_LONG).show();
            finish(); // App 종료.
        }
        else {
            // 페어링된 장치가 있는 경우.
            final AlertDialog.Builder builderBT = new AlertDialog.Builder(this);
            builderBT.setTitle("블루투스 장치 선택");

            // 페어링 된 디바이스들 목록 표시
            List<String> listItems = new ArrayList<String>();
            try {
                conManager = (ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
                netInfo = conManager.getActiveNetworkInfo();
                url = "http://52.79.205.255:8080/Sample/CartConnectionJson.jsp";
                if (netInfo != null && netInfo.isConnected()) {
                    new DownloadJson().execute(url);
                    for (BluetoothDevice device : mDevices) {
                        for (int i=0; i<cartArr.size(); i++) {
                            String cart = cartArr.get(i).toString();
                            if (cart.equals(device.getName()))
                                listItems.add(device.getName());
                        }
                    }
                }
                else {
                    Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                    toast.show();
                }
            } catch (Exception e) {
                e.printStackTrace();
            }

            // CharSequence : 변경 가능한 문자열.
            // toArray : List형태로 넘어온것 배열로 바꿔서 처리하기 위한 toArray() 함수.
            final CharSequence[] items = listItems.toArray(new CharSequence[listItems.size()]);
            // toArray 함수를 이용해서 size만큼 배열이 생성 되었다.
            listItems.toArray(new CharSequence[listItems.size()]);

            builderBT.setItems(items, new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int item) {
```

```java
                // 연결할 장치를 선택한 경우, 선택한 장치와 연결을 시도함.
                connectToSelectedDevice(items[item].toString()); //장치와 연결
            }
        });
        builderBT.setNegativeButton("취소", null);
        builderBT.setCancelable(false);  // 뒤로 가기 버튼 사용 금지.
        builderBT.show();
    }
}

public BluetoothDevice getDeviceFromBondedList(String name) {
    BluetoothDevice selectedDevice = null;
    Set<BluetoothDevice> md = mDevices;
    for(BluetoothDevice device : md) {
        if(name.equals(device.getName())) {
            selectedDevice = device;
            break;
        }
    }
    return selectedDevice;
}

//  connectToSelectedDevice() : 원격 장치와 연결하는 과정
//  실제 데이터 송수신을 위해서는 소켓으로부터 입출력 스트림을 얻고 입출력 스트림을 이용하여 이루어 진다.
public void connectToSelectedDevice(String selectedDeviceName) {
    // BluetoothDevice 원격 블루투스 기기를 나타냄.
    BluetoothDevice mRemoteDevie = getDeviceFromBondedList(selectedDeviceName);
    UUID uuid = UUID.fromString("00001101-0000-1000-8000-00805f9b34fb");

    try {
        // 소켓 생성, RFCOMM 채널을 통한 연결.
        // createRfcommSocketToServiceRecord(uuid) = 원격 블루투스 장치와 통신할 수 있는 소켓을
생성하는 함수
        // 이 메소드가 성공하면 스마트폰과 페어링 된 디바이스간 통신 채널에 대응하는 BluetoothSocket
오브젝트를 리턴함.
        mSocket = mRemoteDevie.createRfcommSocketToServiceRecord(uuid);
        mSocket.connect(); // 소켓이 생성 되면 connect() 함수를 호출함으로써 두기기의 연결은 완료된다.

        // 데이터 송수신을 위한 스트림 얻기.
        // BluetoothSocket 오브젝트는 두개의 Stream을 제공한다.
        mOutputStream = mSocket.getOutputStream();  // 데이터를 보내기 위한 Strem
        mInputStream = mSocket.getInputStream();   //데이터를 받기 위한 Stream

        sendData("D");
        sendData("C");
        usingCart(selectedDeviceName, 1);
        ch.setCheck(true);
        cartId = selectedDeviceName;
        Toast.makeText(BluetoothActivity.this, "블루투스 연결에 성공했습니다",
Toast.LENGTH_SHORT).show();

        L1 = (LinearLayout)findViewById(R.id.llshop1);
        L2 = (LinearLayout)findViewById(R.id.llshop2);
        L1.setVisibility(View.INVISIBLE);
        L2.setVisibility(View.VISIBLE);

        beginListenForData();  // 데이터 수신 준비
    }
    catch(Exception e) {
        // 블루투스 연결 중 오류 발생
        Log.i("BluetoothTask", "블루투스 연결 중 오류가 발생했습니다");
    }
}

// 데이터 수신(쓰레드를 사용하여 수신된 메시지를 계속 검사한다)
public void beginListenForData() {

    readBufferPosition = 0;  // 버퍼 내 수신 문자 저장 위치.
    readBuffer = new byte[1024];  // 수신 버퍼.
    final ArrayList<String> dataArr = new ArrayList<String>();

    Toast.makeText(BluetoothActivity.this, "카트와의 통신을 준비중입니다.\n" +
            "카트에 가까이 다가가세요.", Toast.LENGTH_LONG).show();
    // 문자열 수신 쓰레드.
    mWorkerThread = new Thread(new Runnable() {
```

```java
    @Override
    public void run() {
        while(!Thread.currentThread().isInterrupted()) {
            try {
                int byteAvailable = mInputStream.available();  // 수신 데이터 확인
                if(byteAvailable > 0) {  // 데이터가 수신된 경우.
                    byte[] packetBytes = new byte[byteAvailable];
                    mInputStream.read(packetBytes);
                    for(int i=0; i<byteAvailable; i++) {
                        byte b = packetBytes[i];
                        if(b == mCharDelimiter) {
                            byte[] encodedBytes = new byte[readBufferPosition];
                            System.arraycopy(readBuffer, 0, encodedBytes, 0,
encodedBytes.length);

                            final String data = new String(encodedBytes, "UTF-8");
                            readBufferPosition = 0;

                            mHandler.post(new Runnable() {
                                @Override
                                public void run() {
                                    str = data + mStrDelimiter;
                                    Log.i("BluetoothTask", str);
                                    shop(data);
                                }
                            });
                        }
                        else {   readBuffer[readBufferPosition++] = b;    }
                    }
                }
            } catch (Exception e) {
                // 데이터 수신 중 오류 발생.
                Log.i("BluetoothTask", "데이터 수신 중 오류가 발생 했습니다");
            }
        }
    }
});
mWorkerThread.start();
}

public void sendData(String msg) {
    msg += mCharDelimiter; // 문자열 종료 표시
    try {
        mOutputStream.write(msg.getBytes()); // 문자열 전송
    } catch(Exception e) {
        // 문자열 전송 도중 오류가 발생한 경우.
        Log.i("BluetoothTask", "문자열 데이터 전송 도중 오류 발생");
    }
}

public void shop(String result) {
    conManager = (ConnectivityManager) getSystemService(Context.CONNECTIVITY_SERVICE);
    netInfo = conManager.getActiveNetworkInfo();
    Log.i("testTagResult", result);

    if (result != null) {
        url = "http://52.79.205.255:8080/Sample/NFCQuery.jsp?nfc_id=" + result;
        if (netInfo != null && netInfo.isConnected()) {
            new DownloadJsonShop().execute(url);
        } else {
            Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
            toast.show();
        }
    }
}

private class DownloadJson extends AsyncTask<String,String,String> {
    @Override
    protected String doInBackground(String... arg0) {
        try {
            Document doc = Jsoup.connect((String) arg0[0]).get();
            Elements body = doc.select("body");
            String bodyStr = body.text();
            return bodyStr;
        }
```

```java
            catch (Exception e) {
                return "Data download failed";
            }
        }
    }

    protected void onPostExecute(String result) {
        try {
            JSONObject jsonMain = new JSONObject(result);
            JSONArray jarr = jsonMain.getJSONArray("List");

            cartArr = new ArrayList<String>();
            int cartArrNum = 0;
            for (int i=0; i<jarr.length(); i++) {
                jsonMain = jarr.getJSONObject(i);
                int use = jsonMain.getInt("isUse");
                if (use == 0) { //현재 사용되지 않는 카트
                    String str = jsonMain.getString("id");
                    Log.i("btName: ", str);
                    cartArr.add(str);
                    Log.i("cartArr: ", cartArr.get(cartArrNum).toString());
                    cartArrNum++;
                }
            }
        }
        catch (JSONException e) {
            e.printStackTrace();
        }
    }
}

private class DownloadJsonShop extends AsyncTask<String,String,String> {
    @Override
    protected String doInBackground(String... arg0) {
        try {
            Document doc = Jsoup.connect((String) arg0[0]).get();
            Elements body = doc.select("body");
            String bodyStr = body.text();
            return bodyStr;
        }
        catch (Exception e) {
            return "Data download failed";
        }
    }

    protected void onPostExecute(String result) {
        Log.i("testTagResultShop", result);
        if (result.equals("일치하는 상품이 없습니다.")) {
            Log.i("str", str);
            tv_shop.setText("카트와 통신 중입니다.");
            if (tv_shop.getText()!=null && ok_check==1) {
                AlertDialog.Builder builder2 = new AlertDialog.Builder(BluetoothActivity.this);
                builder2.setTitle("결제를 진행할까요?");
                builder2.setPositiveButton("네", new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int which) {
                        makeData();
                        intent = new Intent(BluetoothActivity.this, PaymentActivity.class);
                        intent.putExtra("total", total);
                        startActivity(intent);
                    }
                });
                builder2.setNegativeButton("아니요", null);
                builder2.show();
            }
        }
        else {
            try {
                JSONObject jsonMain = new JSONObject(result);
                String pn = jsonMain.getString("proName");
                String pr = jsonMain.getString("proPrice");

                int i;
                for (i = 0; i < basketDataArrayList.size(); i++) {
                    if ((basketDataArrayList.get(i).getbName()).equals(pn)) {
                        same = 1;
```

```java
                            basketDataArrayList.remove(i);
                            break;
                        }
                    }

                    if (same == 0) { //같지 않음
                        total += Integer.valueOf(pr);
                        basketDataArrayList.add(new BasketData(basketAdapter.getCount() + 1, pn, pr
+ " 원"));
                    } else if (same == 1) {
                        total -= Integer.valueOf(pr);
                    }
                    tvTotal.setText(total + " 원");
                    basketAdapter.notifyDataSetChanged();
                    same = 0;
                } catch (JSONException e) {
                    e.printStackTrace();
                }
            }
            ok_check = 1;
        }
    }

    public void payView(View view) {
        builder = new AlertDialog.Builder(BluetoothActivity.this);
        builder.setTitle("결제를 진행할까요?");
        builder.setPositiveButton("네", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                makeData();
                intent = new Intent(BluetoothActivity.this, PaymentActivity.class);
                intent.putExtra("total", total);
                startActivity(intent);
            }
        });
        builder.setNegativeButton("아니요", null);
        builder.show();
    }

    public void makeData() {
        SQLiteDatabase db = shoppingDBHelper.getWritableDatabase();  //쓰기 가능 데이터베이스 가져오기
        ContentValues row = new ContentValues();  //테이블에 추가할 항목 설정

        SimpleDateFormat dateFormat = new  SimpleDateFormat("yyyy-MM-dd HH:mm",
java.util.Locale.getDefault());
        Date date = new Date();
        String strDate = dateFormat.format(date);

        for (int i=0; i<basketDataArrayList.size(); i++) {
            row.put("date", strDate);
            row.put("shopPname", basketDataArrayList.get(i).getbName());
            row.put("shopPrice", basketDataArrayList.get(i).getbPrice());
            db.insert(shoppingDBHelper.TABLE_NAME_SHOP, null, row);
        }
        //마무리 작업
        shoppingDBHelper.close();
    }

    public void usingCart (String id, int isUse) {
        try {
            if (netInfo != null && netInfo.isConnected()) {
                url = "http://52.79.205.255:8080/Sample/CartConnectionChange.jsp?id=" + id +
"&isUse=" + isUse;
                new UsingCartSend().execute(url);
            }
            else {
                Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                toast.show();
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
```

```java
    private class UsingCartSend extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            }
            catch (Exception e) {
                return "Data download failed";
            }
        }
        protected void onPostExecute(String result) {
            Log.i("usingCart send: ", result);
        }
    }


    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.shop_menu, menu);
        return true;
    }

    @Override
    public boolean onPrepareOptionsMenu(Menu menu) {
        return super.onPrepareOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.menu_search:
                intent = new Intent(BluetoothActivity.this, SearchActivity.class);
                break;
            case R.id.menu_wish:
                intent = new Intent(BluetoothActivity.this, WishActivity.class);
                break;
            case R.id.menu_household:
                intent = new Intent(BluetoothActivity.this, Household_ledger_Activity.class);
                break;
        }
        startActivity(intent);
        return true;
    }


    @Override
    public void onBackPressed() {
        builder = new AlertDialog.Builder(BluetoothActivity.this);
        builder.setTitle("쇼핑을 중단하시겠습니까?");
        builder.setMessage("중단할 경우 결제는 진행되지 않습니다.");
        builder.setPositiveButton("중단", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                finish();
            }
        });
        builder.setNegativeButton("계속", null);
        builder.show();
    }

}


<Check>

package com.example.weeheajin.cart;

import android.app.Activity;
```

```java
public class Check extends Activity{

    private boolean check;
    private int where = 0; //0 = out(로그인 안함), 1 = in(로그인한 상태)

    public boolean getCheck() {
        return check;
    }
    public void setCheck(boolean check) {
        this.check = check;
    }

    public int getWhere() {
        return where;
    }
    public void setWhere(int where) {
        this.where = where;
    }

}
```

<DetailActivity>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.widget.TextView;
import android.widget.Toast;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

public class DetailActivity extends AppCompatActivity {

    TextView product_name;
    TextView product_price;
    TextView product_brand;
    String url = "";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_detail);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        product_name = (TextView)findViewById(R.id.tv_product_name);
        product_price = (TextView)findViewById(R.id.tv_product_price);
        product_brand = (TextView)findViewById(R.id.tv_product_brand);

        Intent intent = getIntent();
        String pName = intent.getStringExtra("pName");
        Log.i("Detail pName", pName);

        url = "http://52.79.205.255:8080/Sample/ProductQuery.jsp?product_name=" + pName +
"&kind_name=&brand_name=";
        try {
            ConnectivityManager conManager =
(ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
            NetworkInfo netInfo = conManager.getActiveNetworkInfo();
```

```java
                if (netInfo != null && netInfo.isConnected()) {
                    new DownloadJson().execute(url);
                } else {
                    Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                    toast.show();
                }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    private class DownloadJson extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            }
            catch (Exception e) {
                return "Data download failed";
            }
        }

        protected void onPostExecute(String result) {
            Log.i("DetailResult", result);
            if (!result.equals("해당상품이 없습니다.")) {
                try {
                    JSONObject jsonMain = new JSONObject(result);
                    JSONArray jarr = jsonMain.getJSONArray("List");
                    for (int i = 0; i < jarr.length(); i++) {
                        jsonMain = jarr.getJSONObject(i);
                        product_name.setText(jsonMain.getString("proName"));
                        product_price.setText(jsonMain.getString("proPrice") + " 원");
                        product_brand.setText(jsonMain.getString("proBrandName"));
                    }
                } catch (JSONException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}
```

<Household_ledger_Activity>

```java
package com.example.weeheajin.cart;

import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.ArrayAdapter;
import android.widget.ListView;

import java.util.ArrayList;

public class Household_ledger_Activity extends AppCompatActivity {

    private ArrayList<String> ledgerList;
    private ArrayAdapter<String> adapter;
    private ListView ledgerListView;

    private ShoppingDBHelper shoppingDBHelper;        // SQLiteOpenHelper 상속 클래스

    @Override
```

```java
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_household);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        ledgerList = new ArrayList<String>();
        adapter = new ArrayAdapter<String>(Household_ledger_Activity.this,
android.R.layout.simple_list_item_1, ledgerList);
        ledgerListView = (ListView) findViewById(R.id.list_house);
        ledgerListView.setAdapter(adapter);
        makeList1();
    }

    private void makeList1() {
        ledgerList.clear();

        //읽기 가능 데이터베이스 가져오기
        SQLiteDatabase db = shoppingDBHelper.getReadableDatabase();

        String[] cols = null;
        String selection = null;
        String[] selectArgs = null;

        Cursor cursor = db.query(ShoppingDBHelper.TABLE_NAME_SHOP, cols, selection, selectArgs,
null, null, null, null);
        int num = 1;
        String date1 = "";
        while (cursor.moveToNext()) {
            String date = cursor.getString(1);
            if (!date.equals(date1)) {
                num = 1;
                ledgerList.add(date);
                date1 = date;
            }
            else {
                String name = cursor.getString(2);
                String price = cursor.getString(3);
                String brand = cursor.getString(4);
                ledgerList.add(num++ + "\t\t\t" + name + "\t\t\t" + price + "\t\t\t" + brand);
            }
        }

        cursor.close();
        shoppingDBHelper.close();

        adapter.notifyDataSetChanged();
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.house_menu, menu);
        return true;
    }

    @Override
    public boolean onPrepareOptionsMenu(Menu menu) {
        return super.onPrepareOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        Intent intent = null;
        switch (item.getItemId()) {
            case R.id.menu_search:
                intent = new Intent(Household_ledger_Activity.this, SearchActivity.class);
                break;
            case R.id.menu_wish:
                intent = new Intent(Household_ledger_Activity.this, WishActivity.class);
                break;
            case R.id.menu_userInfo:
                intent = new Intent(Household_ledger_Activity.this, UserInfoActivity.class);
                break;
        }
```

```
            startActivity(intent);
            return true;
        }

}


<LoadingActivity>

package com.example.weeheajin.cart;

import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import org.json.JSONException;
import org.json.JSONObject;
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

public class LoginActivity extends AppCompatActivity {

    EditText id;
    EditText passwd;
    Button login;
    String url = "";
    String loginId;
    String loginPw;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        id = (EditText) findViewById(R.id.id);
        passwd = (EditText) findViewById(R.id.passwd);
        login = (Button) findViewById(R.id.btn_login);
    }

    public void onClick(View v) {
        if (v.getId() == R.id.btn_login) {
            loginId = id.getText().toString();
            loginPw = passwd.getText().toString();
            loginProcess(loginId, loginPw);
        }
        else if (v.getId() == R.id.btn_member) {
            Intent intent = new Intent(LoginActivity.this, MemberActivity.class);
            startActivity(intent);
        }
    }

    private void loginProcess(String loginId, String loginPasswd) {
        try {
            url = "http://52.79.205.255:8080/Sample/Login.jsp?strID=" + loginId + "&strPwd=" +
loginPasswd;
            ConnectivityManager conManager =
(ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
            NetworkInfo netInfo = conManager.getActiveNetworkInfo();
```

```java
            if (netInfo != null && netInfo.isConnected()) {
                new DownloadJson().execute(url);
            } else {
                Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                toast.show();
            }
        }
        catch (Exception e) {
            e.printStackTrace();
        }
    }

    private class DownloadJson extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            } catch (Exception e) {
                return "Data download failed";
            }
        }

        protected void onPostExecute(String result) {
            String str = "";
            String name = "";
            try {
                JSONObject jsonMain = new JSONObject(result);
                String point = "My Point: " + jsonMain.getString("userPoint");
                String phone = "Phone Number: " + jsonMain.getString("userPhone") + "\n";
                name = "User Name: " + jsonMain.getString("userName");
                str = name + "\n" + phone + point;
            }
            catch (JSONException e) {
                e.printStackTrace();
            }

            AlertDialog.Builder builder = new AlertDialog.Builder(LoginActivity.this);
            if (str == "") {
                builder.setMessage("로그인에 실패하셨습니다.");
                builder.setPositiveButton("확인", null);
            }
            else {
                builder.setMessage("로그인 성공\n" + name + "님, 환영합니다!\n\n" + str);
                builder.setPositiveButton("확인", new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialogInterface, int i) {
                        Intent intent = new Intent(LoginActivity.this, MainActivity.class);
                        startActivity(intent);
                    }
                });
            }
            builder.show();
            passwd.setText(null);
            id.setText(null);
        }
    }

    private class DownloadJsonUser extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            } catch (Exception e) {
                return "Data download failed";
            }
        }

        protected void onPostExecute(String result) {
```

```java
            try {
                JSONObject jsonMain = new JSONObject(result);
                String point = jsonMain.getString("userPoint");
                String phone = jsonMain.getString("userPhone");
                String name = jsonMain.getString("userName");
            }
            catch (JSONException e) {
                e.printStackTrace();
            }
        }
    }

}
```

<MainActivity>

```java
package com.example.weeheajin.cart;

import android.content.DialogInterface;
import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;

public class MainActivity extends AppCompatActivity {

    Check check;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        check = new Check();
        check.setCheck(false);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));
    }

    public void onClick(View v) {
        Intent intent = null;
        switch(v.getId()) {
            case R.id.btn_search:
                intent = new Intent(this, SearchActivity.class);
                break;
            case R.id.btn_wishlist:
                intent = new Intent(this, WishActivity.class);
                break;
            case R.id.btn_basket: //shopping
                intent = new Intent(this, BluetoothActivity.class);
                break;
            case R.id.btn_household_ledger:
                intent = new Intent(this, Household_ledger_Activity.class);
                break;
            case R.id.btn_mine:
                intent = new Intent(this, UserInfoActivity.class);
                break;
        }
        startActivity(intent);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.main_menu, menu);
        return true;
    }

    @Override
    public boolean onPrepareOptionsMenu(Menu menu) {
```

```java
            return super.onPrepareOptionsMenu(menu);
        }

        @Override
        public boolean onOptionsItemSelected(MenuItem item) {
            Intent intent = null;
            switch (item.getItemId()) {
                case R.id.menu_logout:
                    intent = new Intent(MainActivity.this, LoginActivity.class);
                    break;
            }
            startActivity(intent);
            return true;
        }

        @Override
        public void onBackPressed() {
            AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);
            builder.setTitle("로그아웃 하시겠습니까?");
            builder.setPositiveButton("로그아웃", new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int which) {
                    finish();
                }
            });
            builder.setNegativeButton("아니요", null);
            builder.show();
        }

}
```

\<MemberActivity\>

```java
package com.example.weeheajin.cart;

import android.content.ContentValues;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.os.StrictMode;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

import static com.example.weeheajin.cart.R.id.et_id;

public class MemberActivity extends AppCompatActivity {

    EditText id;
    EditText name;
    EditText pwd;
    EditText phone;
    String url = "";
    private UserDBHelper userDBHelper;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_member);

        StrictMode.ThreadPolicy policy = new StrictMode.ThreadPolicy.Builder().permitAll().build();
        StrictMode.setThreadPolicy(policy);
```

```java
            getSupportActionBar().setTitle("D's Smart Cart");
            getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

            name = (EditText) findViewById(R.id.et_name);
            id = (EditText) findViewById(et_id);
            pwd = (EditText) findViewById(R.id.et_pwd);
            phone = (EditText) findViewById(R.id.et_phone);

            userDBHelper = new UserDBHelper(this);
        }

    public void onClick(View view) {
        if (view.getId() == R.id.btn_become_member) {
            String mId = id.getText().toString();
            String mName = name.getText().toString();
            String mPasswd = pwd.getText().toString();
            String mPhone = phone.getText().toString();

            if (mId.equals(null) || mName.equals(null) || mPasswd.equals(null) ||
mPhone.equals(null)) {
                AlertDialog.Builder builder = new AlertDialog.Builder(MemberActivity.this);
                builder.setMessage("정보가 모두 기입되지 않았습니다.\n" + "다시 입력해주세요.");
                builder.setPositiveButton("확인", null);
                builder.show();
            }
            else {
                memberProcess(mId, mName, mPasswd, mPhone);
                SQLiteDatabase db = userDBHelper.getWritableDatabase();  //쓰기 가능 데이터베이스
가져오기

                ContentValues row = new ContentValues();  //테이블에 추가할 항목 설정
                row.put("userId", mId);
                row.put("userPw", mPasswd);
                db.insert("my_table_user", null, row);
                userDBHelper.close(); //마무리 작업
            }
            id.setText(null);
            name.setText(null);
            pwd.setText(null);
            phone.setText(null);
        }
    }

    private void memberProcess(String mId, String mName, String mPwd, String mPhone) {
        try {
            url = "http://52.79.205.255:8080/Sample/join.jsp?id=" + mId + "&name=" + mName +
"&passwd=" + mPwd + "&phone=" + mPhone;
            ConnectivityManager conManager =
(ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
            NetworkInfo netInfo = conManager.getActiveNetworkInfo();
            if (netInfo != null && netInfo.isConnected()) {
                new DownloadJson().execute(url);
            } else {
                Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                toast.show();
            }
        }
        catch (Exception e) {
            e.printStackTrace();
        }
    }

    private class DownloadJson extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            } catch (Exception e) {
                return "Data download failed";
            }
        }
```

```java
        protected void onPostExecute(String result) {
            AlertDialog.Builder builder = new AlertDialog.Builder(MemberActivity.this);
            if (result.equals("1"))
                builder.setMessage("회원가입 성공\n" + "환영합니다!");
            else
                builder.setMessage("회원가입 실패\n" + "정보를 다시 입력해주세요.");
            builder.setPositiveButton("확인", null);
            builder.show();
        }
    }

}
```

<PaymentActivity>

```java
package com.example.weeheajin.cart;

import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.annotation.IdRes;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.LinearLayout;
import android.widget.RadioGroup;
import android.widget.TextView;

public class PaymentActivity extends AppCompatActivity {

    private RadioGroup radioGroup = null;
    LinearLayout Lc;
    LinearLayout Lm;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_payment);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        Intent intent = getIntent();
        int total = intent.getIntExtra("total", 0);
        TextView sum = (TextView)findViewById(R.id.tv_sum);
        sum.setText(total + " 원");

        radioGroup = (RadioGroup) findViewById(R.id.rg1);
        radioGroup.setOnCheckedChangeListener(mRadioCheck);

        Lc = (LinearLayout)findViewById(R.id.ll_card);
        Lm = (LinearLayout)findViewById(R.id.ll_mobile);
    }

    RadioGroup.OnCheckedChangeListener mRadioCheck = new RadioGroup.OnCheckedChangeListener() {
        @Override
        public void onCheckedChanged(RadioGroup radioGroup, @IdRes int checkedId) {
            switch (checkedId) {
                case R.id.rb_phone:
                    Lc.setVisibility(View.GONE);
                    Lm.setVisibility(View.VISIBLE);
                    break;
                case R.id.rb_card:
                    Lc.setVisibility(View.VISIBLE);
                    Lm.setVisibility(View.GONE);
                    break;
            }
        }
    };

    public void onClick(View view) {
        Intent intent = new Intent(PaymentActivity.this, PaymentActivity2.class);
        startActivity(intent);
    }
```

}

<PaymentActivity2>

package com.example.weeheajin.cart;

import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;

```java
public class PaymentActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_payment2);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));
    }

    public void onClick(View view) {
        Intent intent = new Intent(PaymentActivity2.this, MainActivity.class);
        startActivity(intent);
    }
}
```


<ProductData>

package com.example.weeheajin.cart;

/**
 * Created by weeheajin on 2017-08-09.
 */

```java
public class ProductData {

    private int _id;
    private String info;
    private String detail_info;

    public ProductData(int _id, String info, String detail_info) {
        this._id = _id;
        this.info = info;
        this.detail_info = detail_info;
    }

    public int get_id() {
        return _id;
    }

    public void set_id(int _id) {
        this._id = _id;
    }

    public String getInfo() {
        return info;
    }

    public void setInfo(String info) {
        this.info = info;
    }

    public String getDetail_info() {
        return detail_info;
    }

    public void setDetail_info(String detail_info) {
        this.detail_info = detail_info;
```

```
        }
    }


<SearchActivity>

package com.example.weeheajin.cart;

import android.content.Context;
import android.content.Intent;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.Toast;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

import java.util.ArrayList;

public class SearchActivity extends AppCompatActivity {

    EditText sv;
    String search = null;
    int selectNum = 1;
    String url1 = "http://52.79.205.255:8080/Sample/ProductQuery.jsp?product_name=";
    String url2 = "http://52.79.205.255:8080/Sample/ProductQuery.jsp?product_name=&kind_name=";
    String url3 =
"http://52.79.205.255:8080/Sample/ProductQuery.jsp?product_name=&kind_name=&brand_name=";
    String URL = null;
    ConnectivityManager conManager;
    NetworkInfo netInfo;

    private ArrayList<ProductData> productDataArrayList;
    private SearchAdapter searchAdapter;
    private ListView listView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_search);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        productDataArrayList = new ArrayList<ProductData>();
        searchAdapter = new SearchAdapter(this, R.layout.search_adapter_view,
productDataArrayList);
        listView = (ListView) findViewById(R.id.list_search);
        listView.setAdapter(searchAdapter);
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
                String pName = productDataArrayList.get(position).getInfo();
                Log.i("Search pName", pName);
                //상세 정보를 보여주는 화면 불러옴.
                Intent intent = new Intent(SearchActivity.this, DetailActivity.class);
                intent.putExtra("pName", pName);
                startActivity(intent);
```

```java
            }
        });

        conManager = (ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
        netInfo = conManager.getActiveNetworkInfo();
        sv = (EditText) findViewById(R.id.et_search);
        sv.setHint("상품명 검색");
        search = sv.getText().toString();
        URL = url1 + search;
    }

    public void onClick(View view) {
        switch (view.getId()) {
            case R.id.btn_pName:
                selectNum = 1;
                sv.setHint("상품명 검색");
                searchAdapter.notifyDataSetChanged();
                break;
            case R.id.btn_pKind:
                selectNum = 2;
                sv.setHint("상품 종류 검색");
                searchAdapter.notifyDataSetChanged();
                break;
            case R.id.btn_pBrand:
                selectNum = 3;
                sv.setHint("상품 브랜드 검색");
                searchAdapter.notifyDataSetChanged();
                break;
            case R.id.btn_remove:
                productDataArrayList.clear();
                searchAdapter.notifyDataSetChanged();
                break;
        }
    }

    public void enter(View view) {
        search = sv.getText().toString();
        try {
            if (selectNum == 1)
                URL = url1 + search + "&kind_name=&brand_name=";
            else if (selectNum == 2)
                URL = url2 + search + "&brand_name=";
            else if (selectNum == 3)
                URL = url3 + search;

            if (netInfo != null && netInfo.isConnected())
                new DownloadJson().execute(URL);
            else
                Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG).show();
        } catch (Exception e) {
            e.printStackTrace();
        }
        sv.setText(null);
    }

    private class DownloadJson extends AsyncTask<String,String,String> {
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            }
            catch (Exception e) {
                return "Data download failed";
            }
        }
        protected void onPostExecute(String result) {
            Log.i("SearchResult", result);
            if (!result.equals("해당상품이 없습니다.")) {
                try {
                    JSONObject jsonMain = new JSONObject(result);
                    JSONArray jarr = jsonMain.getJSONArray("List");
```

```java
                    if (selectNum == 1) {
                        for (int i = 0; i < jarr.length(); i++) {
                            jsonMain = jarr.getJSONObject(i);
                            String str = "가격: " + jsonMain.getString("proPrice") + "\t\t\t브랜드: "
+ jsonMain.getString("proBrandName");
                            productDataArrayList.add(new ProductData(searchAdapter.getCount() + 1,
search, str));
                        }
                    } else if (selectNum == 2) {
                        for (int i = 0; i < jarr.length(); i++) {
                            jsonMain = jarr.getJSONObject(i);
                            String name = jsonMain.getString("proName");
                            String str = "가격: " + jsonMain.getString("proPrice") + "\t\t\t브랜드: "
+ jsonMain.getString("proBrandName");
                            productDataArrayList.add(new ProductData(searchAdapter.getCount() + 1,
name, str));
                        }
                    } else if (selectNum == 3) {
                        for (int i = 0; i < jarr.length(); i++) {
                            jsonMain = jarr.getJSONObject(i);
                            String name = jsonMain.getString("proName");
                            String str = "가격: " + jsonMain.getString("proPrice") + "\t\t\t브랜드: "
+ jsonMain.getString("proBrandName");
                            productDataArrayList.add(new ProductData(searchAdapter.getCount() + 1,
name, str));
                        }
                    }
                    searchAdapter.notifyDataSetChanged();
                } catch (JSONException e) {
                    e.printStackTrace();
                }
            }
        }
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.search_menu, menu);
        return true;
    }

    @Override
    public boolean onPrepareOptionsMenu(Menu menu) {
        return super.onPrepareOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        Intent intent = null;
        switch (item.getItemId()) {
            case R.id.menu_wish:
                intent = new Intent(SearchActivity.this, WishActivity.class);
                break;
            case R.id.menu_household:
                intent = new Intent(SearchActivity.this, Household_ledger_Activity.class);
                break;
            case R.id.menu_userInfo:
                intent = new Intent(SearchActivity.this, UserInfoActivity.class);
                break;
        }
        startActivity(intent);
        return true;
    }
}


<SearchAdapter>

package com.example.weeheajin.cart;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
```

```java
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by weeheajin on 2017-08-09.
 */

public class SearchAdapter extends BaseAdapter {

    private Context context;
    private int layout;
    private ArrayList<ProductData> productDataList;
    private LayoutInflater layoutInflater;

    public SearchAdapter(Context context, int layout, ArrayList<ProductData> mySearchList) {
        this.context = context;
        this.layout = layout;
        this.productDataList = mySearchList;
        layoutInflater = (LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    }

    @Override
    public int getCount() {
        return productDataList.size();
    }

    @Override
    public Object getItem(int position) {
        return productDataList.get(position);
    }

    @Override
    public long getItemId(int position) {
        return productDataList.get(position).get_id();
    }

    @Override
    public View getView(int position, View view, ViewGroup viewGroup) {

        final int pos = position;

        if (view == null) {
            view = layoutInflater.inflate(layout, viewGroup, false);
        }

        TextView tvNum = (TextView)view.findViewById(R.id.tv_num);
        TextView tvInfo = (TextView)view.findViewById(R.id.tv_info);
        TextView tvDetail = (TextView)view.findViewById(R.id.tv_detail_info);

        tvNum.setText(Integer.valueOf(productDataList.get(pos).get_id()).toString());
        tvInfo.setText(productDataList.get(pos).getInfo());
        tvDetail.setText(productDataList.get(pos).getDetail_info());

        return view;
    }
}
```

<ShoppingDBHelper>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import static com.example.weeheajin.cart.UserDBHelper.DB_NAME;

public class ShoppingDBHelper extends SQLiteOpenHelper {

    public static final String TABLE_NAME_SHOP = "my_table_shop";
```

```java
    public static final String SHOP_PNAME = "shopPname";
    public static final String SHOP_PRICE = "shopPrice";
    public static final String SHOP_BRAND = "shopBrand";

    public ShoppingDBHelper(Context context) {
        super(context, DB_NAME, null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase sqLiteDatabase) {
        String createShopTable = "CREATE TABLE " + TABLE_NAME_SHOP +
                "( _id INTEGER PRIMARY KEY AUTOINCREMENT, date TEXT"
                + SHOP_PNAME + " TEXT, " + SHOP_PRICE + " TEXT, " + SHOP_BRAND + " TEXT)";
        sqLiteDatabase.execSQL(createShopTable);
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

    }
}
```

<UserDBHelper>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

public class UserDBHelper extends SQLiteOpenHelper {

    public static final String DB_NAME = "my_db";
    public static final String TABLE_NAME_USER = "my_table_user";

    public UserDBHelper(Context context) {
        super(context, DB_NAME, null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase sqLiteDatabase) {
        String createUserTable = "CREATE TABLE " + TABLE_NAME_USER +
                "( _id INTEGER PRIMARY KEY AUTOINCREMENT, userId TEXT, userPw TEXT)";
        sqLiteDatabase.execSQL(createUserTable);

        sqLiteDatabase.execSQL("INSERT INTO " + TABLE_NAME_USER + " VALUES (null, 'Dongduk',
'com123');");
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

    }
}
```

<UserInfoActivity>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.drawable.ColorDrawable;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.AsyncTask;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.TextView;
```

```java
import android.widget.Toast;

import org.json.JSONException;
import org.json.JSONObject;
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
import org.jsoup.select.Elements;

public class UserInfoActivity extends AppCompatActivity {

    TextView userName;
    TextView userId;
    TextView userPhone;
    TextView userPoint;
    String loginId;
    String loginPw;

    private UserDBHelper userDBHelper;        // SQLiteOpenHelper 상속 클래스

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_user_info);

        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        userName = (TextView)findViewById(R.id.user_name);
        userId = (TextView)findViewById(R.id.user_id);
        userPhone = (TextView)findViewById(R.id.user_phone);
        userPoint = (TextView)findViewById(R.id.user_point);

        //읽기 가능 데이터베이스 가져오기
        userDBHelper = new UserDBHelper(this);
        SQLiteDatabase db = userDBHelper.getReadableDatabase();

        String[] cols = null;
        String whereClause = null;
        String[] whereArgs = null;

        Cursor cursor = db.query(UserDBHelper.TABLE_NAME_USER, cols, whereClause, whereArgs, null,
null, null, null);
        if (cursor.moveToNext()) {
            loginId = cursor.getString(1);
            loginPw = cursor.getString(2);
            userId.setText(loginId.toString());
        }
        cursor.close();
        userDBHelper.close();

        try {
            String url = "http://52.79.205.255:8080/Sample/Login.jsp?strID=" + loginId + "&strPwd="
+ loginPw;
            ConnectivityManager conManager =
(ConnectivityManager)getSystemService(Context.CONNECTIVITY_SERVICE);
            NetworkInfo netInfo = conManager.getActiveNetworkInfo();

            if (netInfo != null && netInfo.isConnected()) {
                new DownloadJson().execute(url);
            } else {
                Toast toast = Toast.makeText(getApplicationContext(), "Network isn't connected",
Toast.LENGTH_LONG);
                toast.show();
            }
        }
        catch (Exception e) {
            e.printStackTrace();
        }
    }

    public void onClick(View view) {
        finish();
    }

    private class DownloadJson extends AsyncTask<String,String,String> {
```

```java
        @Override
        protected String doInBackground(String... arg0) {
            try {
                Document doc = Jsoup.connect((String) arg0[0]).get();
                Elements body = doc.select("body");
                String bodyStr = body.text();
                return bodyStr;
            } catch (Exception e) {
                return "Data download failed";
            }
        }

        protected void onPostExecute(String result) {
            try {
                JSONObject jsonMain = new JSONObject(result);
                String point = jsonMain.getString("userPoint");
                String phone = jsonMain.getString("userPhone");
                String name = jsonMain.getString("userName");

                userName.setText(name);
                userId.setText(loginId);
                userPhone.setText(phone);
                userPoint.setText(point);
            }
            catch (JSONException e) {
                e.printStackTrace();
            }
        }
    }
}


<WishActivity>

package com.example.weeheajin.cart;

import android.content.ContentValues;
import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

public class WishActivity extends AppCompatActivity {

    private EditText et_wish;
    Button add;
    String selectNum = "1";

    private ArrayList<WishData> wishDataArrayList;
    private WishAdapter wishAdapter;
    private ListView wishListView;
    AlertDialog.Builder builder;

    private WishDBHelper wishDBHelper;        // SQLiteOpenHelper 상속 클래스

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wish);
```

```java
        getSupportActionBar().setTitle("D's Smart Cart");
        getSupportActionBar().setBackgroundDrawable(new ColorDrawable(0xFF0099CC));

        add = (Button)findViewById(R.id.btn_add);
        add.setOnClickListener(addWish);      // 추가 버튼 클릭 시

        wishDBHelper = new WishDBHelper(this);

        wishDataArrayList = new ArrayList<WishData>();
        wishAdapter = new WishAdapter(this, R.layout.wish_adapter_view, wishDataArrayList);
        wishListView = (ListView) findViewById(R.id.list_wish);
        wishListView.setAdapter(wishAdapter);
        wishListView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
                //항목 클릭 시 수행할 동작
                String pName = wishListView.getItemAtPosition(position).toString();
                Intent intent = new Intent(WishActivity.this, DetailActivity.class);
                intent.putExtra("pName", pName);
                startActivity(intent);
            }
        });
        wishListView.setOnItemLongClickListener(new AdapterView.OnItemLongClickListener() {
            @Override
            public boolean onItemLongClick(AdapterView<?> parent, View view, int position, long id)
{

                builder = new AlertDialog.Builder(WishActivity.this);
                final int pos = position;

                builder.setTitle("항목을 삭제하시겠습니까?");
                builder.setPositiveButton("네", new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int which) {
                        SQLiteDatabase db = wishDBHelper.getWritableDatabase();  //쓰기 가능
데이터베이스 가져오기
                        String whereClause = "wishItem=?";  //삭제를 위한 where 절 구성
                        String[] whereArgs = new String[] {
wishDataArrayList.get(pos).getItem().toString() };

                        //삭제 수행 - 성공 시 삭제된 레코드 개수를 반환
                        long result = db.delete(WishDBHelper.TABLE_NAME_WISH, whereClause,
whereArgs);

                        if (result > 0)
                            Toast.makeText(WishActivity.this, "Success!",
Toast.LENGTH_SHORT).show();
                        else
                            Toast.makeText(WishActivity.this, "Failure!",
Toast.LENGTH_SHORT).show();

                        //마무리 작업 = 헬퍼 객체 및 커서 객체 등 close
                        wishDBHelper.close();
                        viewTable();
                    }
                });
                builder.setNegativeButton("아니요", null);
                builder.show();
                return true;
            }
        });
        viewTable();
    }

    //버튼 눌러서 항목 추가
    View.OnClickListener addWish = new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            SQLiteDatabase db = wishDBHelper.getWritableDatabase();  //쓰기 가능 데이터베이스 가져오기
            ContentValues row = new ContentValues();  //테이블에 추가할 항목 설정
            et_wish = (EditText) findViewById(R.id.et_wish);
            String wishItem = et_wish.getText().toString();
            row.put("wishItem", wishItem);

            //레코드 추가 - 레코드 추가를 성공할 경우 추가한 레코드 개수 반환
            long result = db.insert(WishDBHelper.TABLE_NAME_WISH, null, row);
```

```java
            if (result > 0)
                Toast.makeText(WishActivity.this, "Success!", Toast.LENGTH_SHORT).show();
            else
                Toast.makeText(WishActivity.this, "Failure!", Toast.LENGTH_SHORT).show();

            //마무리 작업
            wishDBHelper.close();
            wishAdapter.notifyDataSetChanged();
            viewTable();
            et_wish.setText(null);
        }
    };

    private void viewTable() {
        wishDataArrayList.clear();

        //읽기 가능 데이터베이스 가져오기
        SQLiteDatabase db = wishDBHelper.getReadableDatabase();

        String[] cols = null;
        String whereClause = null;
        String[] whereArgs = null;

        Cursor cursor = db.query(WishDBHelper.TABLE_NAME_WISH, cols, whereClause, whereArgs, null,
null, null, null);
        int i = 1;
        while (cursor.moveToNext()) {
            String pName = cursor.getString(1);
            wishDataArrayList.add(new WishData(i++, pName));
        }

        //마무리 작업 = 헬퍼 객체 및 커서 객체 등 close
        cursor.close();
        wishDBHelper.close();

        wishAdapter.notifyDataSetChanged();
    }


    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.wish_menu, menu);
        return true;
    }

    @Override
    public boolean onPrepareOptionsMenu(Menu menu) {
        return super.onPrepareOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        Intent intent = null;
        switch (item.getItemId()) {
            case R.id.menu_search:
                intent = new Intent(WishActivity.this, SearchActivity.class);
                break;
            case R.id.menu_household:
                intent = new Intent(WishActivity.this, Household_ledger_Activity.class);
                break;
            case R.id.menu_userInfo:
                intent = new Intent(WishActivity.this, UserInfoActivity.class);
                break;
        }
        startActivity(intent);
        return true;
    }

}
```

<WishAdapter>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

import java.util.ArrayList;

public class WishAdapter extends BaseAdapter {

    private Context context;
    private int layout;
    private ArrayList<WishData> wishDataList;
    private LayoutInflater layoutInflater;

    public WishAdapter(Context context, int layout, ArrayList<WishData> myWishList) {
        this.context = context;
        this.layout = layout;
        this.wishDataList = myWishList;
        layoutInflater = (LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    }

    @Override
    public int getCount() {
        return wishDataList.size();
    }

    @Override
    public Object getItem(int position) {
        return wishDataList.get(position);
    }

    @Override
    public long getItemId(int position) {
        return wishDataList.get(position).get_id();
    }

    @Override
    public View getView(int position, View view, ViewGroup viewGroup) {

        final int pos = position;

        if (view == null) {
            view = layoutInflater.inflate(layout, viewGroup, false);
        }

        TextView wNum = (TextView)view.findViewById(R.id.w_num);
        TextView wName = (TextView)view.findViewById(R.id.w_name);

        wNum.setText(Integer.valueOf(wishDataList.get(pos).get_id()).toString());
        wName.setText(wishDataList.get(pos).getItem());

        return view;
    }
}
```

<WishData>

```java
package com.example.weeheajin.cart;

public class WishData {

    private int _id;
    private String item;

    public WishData(int _id, String item) {
        this._id = _id;
        this.item = item;
    }
```

```java
    public int get_id() {
        return _id;
    }

    public void set_id(int _id) {
        this._id = _id;
    }

    public String getItem() {
        return item;
    }

    public void setItem(String item) {
        this.item = item;
    }

}
```

<WishDBHelper>

```java
package com.example.weeheajin.cart;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import static com.example.weeheajin.cart.UserDBHelper.DB_NAME;

public class WishDBHelper extends SQLiteOpenHelper {

    public static final String TABLE_NAME_WISH = "my_table_wish";

    public WishDBHelper(Context context) {
        super(context, DB_NAME, null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase sqLiteDatabase) {
        String createWishTable = "CREATE TABLE " + TABLE_NAME_WISH +
                "( _id INTEGER PRIMARY KEY AUTOINCREMENT, wishItem TEXT, wishSelect TEXT)";
        sqLiteDatabase.execSQL(createWishTable);
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

    }
}
```

- res 디렉토리

[layout]

// activity_bluetooth

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:id="@+id/llshop1"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:visibility="visible">
```

```xml
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <Button
        android:id="@+id/btn_scan"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:background="@color/colorAccent"
        android:onClick="checkBluetooth"
        android:text="Bluetooth Scan"
        android:textAllCaps="false"
        android:textStyle="bold|italic" />

    <Button
        android:id="@+id/stop"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:background="@color/colorAccent"
        android:onClick="onDestroy"
        android:text="Bluetooth Stop"
        android:textAllCaps="false"
        android:textStyle="bold|italic" />

</LinearLayout>

<WebView
    android:id="@+id/webView"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center_horizontal"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="10dp"
    android:layout_weight="1">

</WebView>

<Button
    android:id="@+id/cart_list_page"
    style="@style/Widget.AppCompat.Button.Colored"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/colorAccent"
    android:text="카트 목록 새로고침"
    android:textStyle="bold" />

</LinearLayout>

<TextView
    android:id="@+id/receiveString"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:visibility="gone" />

<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:onClick="passBT"
    android:text="넘어가기"
    android:visibility="gone" />

<LinearLayout
    android:id="@+id/llshop2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:visibility="invisible">
```

```xml
<TextView
    android:id="@+id/tv_shop"
    android:layout_width="match_parent"
    android:layout_height="30dp"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="10dp"
    android:gravity="center_horizontal"
    android:textColor="@android:color/black"
    android:textSize="18sp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/tv_shop_name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_weight="1"
        android:text="상품명"
        android:textColor="@color/colorPrimary"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/tv_shop_price"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginRight="30dp"
        android:layout_weight="1"
        android:gravity="right"
        android:text="상품가격"
        android:textColor="@color/colorPrimary"
        android:textStyle="bold" />
</LinearLayout>

<ListView
    android:id="@+id/list_nfc"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:layout_weight="1" />

<Button
    android:id="@+id/bt_pay"
    style="@style/Widget.AppCompat.Button.Colored"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:background="@color/colorAccent"
    android:onClick="payView"
    android:text="결제하기"
    android:textSize="18sp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView10"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_weight="1"
        android:text="합산 금액"
        android:textColor="@android:color/black"
        android:textSize="24sp"
```

```xml
                    android:textStyle="bold" />

                <TextView
                    android:id="@+id/tv_total"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_marginRight="10dp"
                    android:layout_weight="1"
                    android:text="0 원"
                    android:textAlignment="textEnd"
                    android:textColor="@android:color/black"
                    android:textSize="24sp"
                    android:textStyle="bold" />

            </LinearLayout>

        </LinearLayout>

    </FrameLayout>

</LinearLayout>


// activity_detail

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:text="- 상품정보 -"
        android:textColor="@android:color/black"
        android:textSize="18sp" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView9"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:text="상품명 :"
            android:textSize="18sp" />

        <TextView
            android:id="@+id/tv_product_name"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginRight="20dp"
            android:layout_weight="1"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```xml
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:text="상품가격 :"
            android:textSize="18sp" />

        <TextView
            android:id="@+id/tv_product_price"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginRight="20dp"
            android:layout_weight="1"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView6"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:text="상품브랜드 :"
            android:textSize="18sp" />

        <TextView
            android:id="@+id/tv_product_brand"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:layout_marginRight="20dp"
            android:layout_weight="1"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="230dp"
        android:layout_marginBottom="10dp"
        android:layout_marginTop="30dp"
        app:srcCompat="@drawable/img_detail" />

    <TextView
        android:id="@+id/textView17"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="20dp"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:gravity="center"
        android:text="이 제품은 본 매장의 식품코너에 있습니다.\n상품을 찾기 어려우시다면 직원에게
문의하세요.\n친절하게 안내하겠습니다. 감사합니다 ^o^" />

</LinearLayout>


// activity_household

<?xml version="1.0" encoding="utf-8"?>
```

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ExpandableListView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="10dp"
        android:visibility="gone" />

    <ListView
        android:id="@+id/list_house"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="10dp" />

</LinearLayout>


// activity_loading

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/img_loading"
    android:orientation="vertical">

</LinearLayout>


// activity_login

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:orientation="vertical">

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:id="@+id/ll_login"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="30dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:layout_marginTop="90dp"
            android:orientation="vertical"
            android:visibility="visible">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:padding="10dp">

                <TextView
                    android:layout_width="70dp"
                    android:layout_height="match_parent"
                    android:gravity="left|center"
                    android:text="아이디"
                    android:textColor="@android:color/black"
                    android:textSize="18sp"
                    android:textStyle="bold" />

                <EditText
                    android:id="@+id/id"
                    android:layout_width="match_parent"
```

```xml
                android:layout_height="match_parent"
                android:layout_weight="1" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="10dp">

            <TextView
                android:layout_width="70dp"
                android:layout_height="match_parent"
                android:gravity="left|center"
                android:text="비밀번호"
                android:textColor="@android:color/black"
                android:textSize="18sp"
                android:textStyle="bold" />

            <EditText
                android:id="@+id/passwd"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_weight="1"
                android:password="true" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="70dp"
            android:layout_marginTop="20dp"
            android:orientation="horizontal">

            <Button
                android:id="@+id/btn_login"
                style="@style/Widget.AppCompat.Button.Colored"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:background="@color/colorAccent"
                android:onClick="onClick"
                android:text="Login"
                android:textStyle="bold" />

            <Button
                android:id="@+id/btn_member"
                style="@style/Widget.AppCompat.Button.Colored"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:layout_weight="1"
                android:background="@color/colorAccent"
                android:onClick="onClick"
                android:text="join"
                android:textStyle="bold" />

        </LinearLayout>
    </LinearLayout>

    <LinearLayout
        android:id="@+id/ll_user_info"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@drawable/img_userinfo"
        android:orientation="vertical"
        android:visibility="invisible">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="70dp"
            android:orientation="horizontal">

            <TextView
```

```xml
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_marginLeft="70dp"
        android:paddingRight="10dp"
        android:text="Name"
        android:textColor="@android:color/black"
        android:textStyle="bold|italic" />

    <TextView
        android:id="@+id/user_name"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="60dp"
        android:gravity="right|center"
        android:textAlignment="textStart"
        android:textColor="@android:color/black"
        android:textSize="18sp"
        android:textStyle="bold" />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView11"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_marginLeft="70dp"
        android:paddingRight="10dp"
        android:text="ID"
        android:textColor="@android:color/black"
        android:textStyle="bold|italic" />

    <TextView
        android:id="@+id/user_id"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginLeft="45dp"
        android:layout_marginRight="60dp"
        android:gravity="right|center"
        android:paddingRight="15dp"
        android:textAlignment="textStart"
        android:textColor="@android:color/black"
        android:textSize="18sp"
        android:textStyle="bold" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView14"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70dp"
        android:paddingRight="10dp"
        android:text="Phone"
        android:textColor="@android:color/black"
        android:textStyle="bold|italic" />

    <TextView
        android:id="@+id/user_phone"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="60dp"
```

```xml
                android:gravity="right|center"
                android:paddingRight="15dp"
                android:textAlignment="textStart"
                android:textColor="@android:color/black"
                android:textSize="18sp"
                android:textStyle="bold" />

        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:orientation="horizontal">

            <TextView
                android:id="@+id/textView16"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="70dp"
                android:paddingRight="10dp"
                android:text="Point"
                android:textColor="@android:color/black"
                android:textStyle="bold|italic" />

            <TextView
                android:id="@+id/user_point"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="25dp"
                android:layout_marginRight="60dp"
                android:gravity="right|center"
                android:paddingRight="15dp"
                android:textAlignment="textStart"
                android:textColor="@android:color/black"
                android:textSize="18sp"
                android:textStyle="bold" />

        </LinearLayout>

        <Button
            android:id="@+id/btn_back"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginTop="140dp"
            android:background="#FFC19E"
            android:onClick="onClick"
            android:text="BACK" />
    </LinearLayout>

    </FrameLayout>

</LinearLayout>


// activity_main

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_centerHorizontal="false"
    android:layout_centerVertical="false"
    android:layout_marginBottom="80dp"
    android:layout_marginLeft="15dp"
    android:layout_marginRight="15dp"
    android:layout_marginTop="15dp"
    android:baselineAligned="false"
    android:orientation="vertical">

    <TextView
        android:id="@+id/textView12"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="60dp"
        android:layout_marginRight="10dp"
        android:text="안녕하세요, 오늘도 즐거운 쇼핑되시길 바랍니다 ♪"
        android:textAlignment="textEnd"
        android:textColor="@android:color/black" />

    <RelativeLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1">

        <ImageView
            android:id="@+id/imageView5"
            android:layout_width="55dp"
            android:layout_height="match_parent"
            android:layout_weight="1"
            android:background="@color/colorAccent"
            android:paddingLeft="5dp"
            app:srcCompat="@drawable/img_search" />

        <Button
            android:id="@+id/btn_search"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center_horizontal"
            android:layout_toEndOf="@+id/imageView5"
            android:layout_toRightOf="@+id/imageView5"
            android:layout_weight="1"
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:paddingRight="30dp"
            android:text="Search"
            android:textAlignment="textEnd"
            android:textAllCaps="false"
            android:textColor="@android:color/background_light"
            android:textSize="18sp"
            android:textStyle="italic" />
    </RelativeLayout>

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1">

        <ImageView
            android:id="@+id/imageView6"
            android:layout_width="60dp"
            android:layout_height="match_parent"
            android:layout_alignParentEnd="true"
            android:layout_alignParentRight="true"
            android:layout_alignParentTop="true"
            app:srcCompat="@drawable/img_wishlist" />

        <Button
            android:id="@+id/btn_wishlist"
            style="@style/Widget.AppCompat.Button.Borderless.Colored"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center_horizontal"
            android:layout_toLeftOf="@+id/imageView6"
            android:layout_toStartOf="@+id/imageView6"
            android:layout_weight="1"
            android:onClick="onClick"
            android:paddingLeft="30dp"
            android:text="Wish List"
            android:textAlignment="textStart"
            android:textAllCaps="false"
            android:textSize="18sp"
            android:textStyle="italic" />
    </RelativeLayout>

    <RelativeLayout
        android:layout_width="match_parent"
```

```xml
        android:layout_height="match_parent"
        android:layout_weight="1">

        <ImageView
            android:id="@+id/imageView7"
            android:layout_width="60dp"
            android:layout_height="match_parent"
            android:background="@color/colorAccent"
            app:srcCompat="@drawable/img_shopping" />

        <Button
            android:id="@+id/btn_basket"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center_horizontal"
            android:layout_toEndOf="@+id/imageView7"
            android:layout_toRightOf="@+id/imageView7"
            android:layout_weight="1"
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:paddingRight="30dp"
            android:text="Shopping"
            android:textAlignment="textEnd"
            android:textAllCaps="false"
            android:textColor="@android:color/background_light"
            android:textSize="18sp"
            android:textStyle="italic" />
    </RelativeLayout>

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1">

        <ImageView
            android:id="@+id/imageView9"
            android:layout_width="70dp"
            android:layout_height="match_parent"
            android:layout_alignParentEnd="true"
            android:layout_alignParentRight="true"
            android:layout_alignParentTop="true"
            app:srcCompat="@drawable/img_piggybank" />

        <Button
            android:id="@+id/btn_household_ledger"
            style="@style/Widget.AppCompat.Button.Borderless.Colored"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_gravity="center_horizontal"
            android:layout_toLeftOf="@+id/imageView9"
            android:layout_toStartOf="@+id/imageView9"
            android:layout_weight="1"
            android:onClick="onClick"
            android:paddingLeft="30dp"
            android:text="Household ledger"
            android:textAlignment="textStart"
            android:textAllCaps="false"
            android:textSize="18sp"
            android:textStyle="italic" />
    </RelativeLayout>

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1">

        <Button
            android:id="@+id/button2"
            style="@style/Widget.AppCompat.Button.Colored"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:background="@color/colorAccent"
            android:text="♡"
            android:textAlignment="center"
            android:textSize="18sp"
```

```xml
                android:textStyle="bold" />

        <Button
            android:id="@+id/btn_mine"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:paddingRight="30dp"
            android:text="My Page"
            android:textAlignment="viewEnd"
            android:textAllCaps="false"
            android:textColor="@android:color/background_light"
            android:textSize="18sp"
            android:textStyle="italic"
            android:layout_toRightOf="@+id/button2"
            android:layout_toEndOf="@+id/button2" />
    </RelativeLayout>

</LinearLayout>


// activity_member

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"
    android:layout_marginTop="30dp"
    android:background="@android:color/background_light"
    android:orientation="vertical">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:layout_marginTop="20dp"
        android:orientation="horizontal"
        android:weightSum="1">

        <TextView
            android:id="@+id/textView2"
            android:layout_width="80dp"
            android:layout_height="match_parent"
            android:layout_marginLeft="10dp"
            android:background="@android:color/white"
            android:gravity="left|center"
            android:paddingLeft="10dp"
            android:text="이름"
            android:textColor="@android:color/black"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/et_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:layout_weight="1"
            android:background="?android:attr/colorControlHighlight"
            android:ems="10"
            android:hint="김동덕"
            android:inputType="textPersonName"
            android:paddingLeft="5dp" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
```

```xml
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView3"
            android:layout_width="80dp"
            android:layout_height="match_parent"
            android:layout_marginLeft="10dp"
            android:background="@android:color/white"
            android:gravity="left|center"
            android:paddingLeft="10dp"
            android:text="아이디"
            android:textColor="@android:color/black"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/et_id"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:layout_weight="1"
            android:background="?android:attr/colorControlHighlight"
            android:ems="10"
            android:hint="id"
            android:inputType="textPersonName"
            android:paddingLeft="5dp" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView4"
            android:layout_width="80dp"
            android:layout_height="match_parent"
            android:layout_marginLeft="10dp"
            android:background="@android:color/white"
            android:gravity="left|center"
            android:paddingLeft="10dp"
            android:text="비밀번호"
            android:textColor="@android:color/black"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/et_pwd"
            android:layout_width="280dp"
            android:layout_height="match_parent"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:layout_weight="1"
            android:background="?android:attr/colorControlHighlight"
            android:ems="10"
            android:hint="password"
            android:inputType="textPersonName"
            android:paddingLeft="5dp" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="50dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:orientation="horizontal">
```

```xml
        <TextView
            android:id="@+id/textView5"
            android:layout_width="80dp"
            android:layout_height="match_parent"
            android:layout_marginLeft="10dp"
            android:background="@android:color/white"
            android:gravity="left|center"
            android:paddingLeft="10dp"
            android:text="핸드폰 번호"
            android:textColor="@android:color/black"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/et_phone"
            android:layout_width="240dp"
            android:layout_height="match_parent"
            android:layout_gravity="right"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:layout_weight="1"
            android:background="?android:attr/colorControlHighlight"
            android:ems="10"
            android:hint="010-1111-2222"
            android:inputType="textPersonName"
            android:paddingLeft="5dp" />

    </LinearLayout>

    <Button
        android:id="@+id/btn_become_member"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="20dp"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:background="@color/colorAccent"
        android:onClick="onClick"
        android:text="회원 가입 확인"
        android:textAlignment="center"
        android:textAllCaps="false"
        android:textStyle="bold" />
</LinearLayout>


// activity_payment

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_weight="1"
            android:text="결제 금액"
            android:textColor="@color/colorPrimaryDark"
            android:textSize="30sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/tv_sum"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
```

```xml
                android:layout_marginRight="20dp"
                android:layout_weight="1"
                android:textAlignment="textEnd"
                android:textColor="@color/colorPrimaryDark"
                android:textSize="30sp"
                android:textStyle="bold" />
        </LinearLayout>

        <TextView
            android:id="@+id/textView18"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:layout_marginTop="40dp"
            android:text="결제 방법"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

        <RadioGroup
            android:id="@+id/rg1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="50dp"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp"
            android:layout_marginTop="10dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_weight="1"
                android:orientation="horizontal">

                <RadioButton
                    android:id="@+id/rb_phone"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:checked="true"
                    android:text="휴대폰 결제" />

                <RadioButton
                    android:id="@+id/rb_card"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:text="카드 결제" />

            </LinearLayout>

        </RadioGroup>

        <FrameLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            <LinearLayout
                android:id="@+id/ll_mobile"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical">

                <TextView
                    android:id="@+id/textView13"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_marginLeft="20dp"
                    android:layout_marginRight="20dp"
                    android:text="본인 인증을 위한 정보를 입력하세요."
                    android:textSize="18sp" />

                <LinearLayout
                    android:layout_width="match_parent"
```

```xml
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="10dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView19"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="30dp"
        android:layout_weight="1"
        android:text="이름"
        android:textColor="@android:color/black"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:ems="10"
        android:hint="홍길동"
        android:inputType="textPersonName"
        android:textColor="@android:color/black"
        android:textSize="18sp" />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="40dp"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView15"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:layout_marginRight="20dp"
        android:layout_weight="1"
        android:text="핸드폰 번호"
        android:textColor="@android:color/black"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginRight="20dp"
        android:layout_weight="1"
        android:ems="10"
        android:hint="010-0000-0000"
        android:inputType="textPersonName"
        android:textColor="@android:color/black" />
</LinearLayout>

<Button
    android:id="@+id/button5"
    style="@style/Widget.AppCompat.Button.Colored"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:layout_marginRight="20dp"
    android:background="@color/colorAccent"
    android:onClick="onClick"
    android:text="결제" />

</LinearLayout>

<LinearLayout
    android:id="@+id/ll_card"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
```

```
            android:orientation="vertical"></LinearLayout>

    </FrameLayout>

</LinearLayout>




// activity_payment2

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:orientation="vertical">

    <TextView
        android:id="@+id/textView8"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="50dp"
        android:gravity="center"
        android:text="결제가\n완료되었습니다"
        android:textAlignment="center"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="36sp"
        android:textStyle="bold" />

    <Button
        android:id="@+id/bt_ok"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        android:text="확인"
        android:textSize="18sp"
        android:textStyle="bold" />
</LinearLayout>




// activity_search

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/btn_pName"
            style="@style/Widget.AppCompat.Button.Colored"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="5dp"
            android:layout_weight="1"
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:text="Name"
            android:textAllCaps="false"
            android:textStyle="bold|italic" />

        <Button
            android:id="@+id/btn_pKind"
            style="@style/Widget.AppCompat.Button.Colored"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
```

```xml
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:text="Kind"
            android:textAllCaps="false"
            android:textStyle="bold|italic" />

        <Button
            android:id="@+id/btn_pBrand"
            style="@style/Widget.AppCompat.Button.Colored"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:background="@color/colorAccent"
            android:onClick="onClick"
            android:text="Brand"
            android:textAllCaps="false"
            android:textStyle="bold|italic" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <ImageView
            android:id="@+id/imageView3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="5dp"
            app:srcCompat="@android:drawable/ic_search_category_default" />

        <EditText
            android:id="@+id/et_search"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="15dp"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPersonName" />

        <Button
            android:id="@+id/btn_enter"
            style="@android:style/Widget.Button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:background="?attr/colorControlHighlight"
            android:onClick="enter"
            android:text="search"
            android:textSize="14sp"
            android:textStyle="bold" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:orientation="horizontal">

        <ListView
            android:id="@+id/list_search"
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </LinearLayout>

    <Button
        android:id="@+id/btn_remove"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        android:text="검색기록 지우기" />

</LinearLayout>
```

```xml
// activity_user_info

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/img_userinfo"
    android:orientation="vertical">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="70dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView7"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:layout_marginLeft="70dp"
            android:paddingRight="10dp"
            android:text="Name"
            android:textColor="@android:color/black"
            android:textStyle="bold|italic" />

        <TextView
            android:id="@+id/user_name"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="60dp"
            android:gravity="right|center"
            android:textAlignment="textStart"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView11"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:layout_marginLeft="70dp"
            android:paddingRight="10dp"
            android:text="ID"
            android:textColor="@android:color/black"
            android:textStyle="bold|italic" />

        <TextView
            android:id="@+id/user_id"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginLeft="45dp"
            android:layout_marginRight="60dp"
            android:gravity="right|center"
            android:paddingRight="15dp"
            android:textAlignment="textStart"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```xml
        android:layout_marginTop="20dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView14"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="70dp"
            android:paddingRight="10dp"
            android:text="Phone"
            android:textColor="@android:color/black"
            android:textStyle="bold|italic" />

        <TextView
            android:id="@+id/user_phone"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="60dp"
            android:gravity="right|center"
            android:paddingRight="15dp"
            android:textAlignment="textStart"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView16"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="70dp"
            android:paddingRight="10dp"
            android:text="Point"
            android:textColor="@android:color/black"
            android:textStyle="bold|italic" />

        <TextView
            android:id="@+id/user_point"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="25dp"
            android:layout_marginRight="60dp"
            android:gravity="right|center"
            android:paddingRight="15dp"
            android:textAlignment="textStart"
            android:textColor="@android:color/black"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

    <Button
        android:id="@+id/btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="140dp"
        android:background="#FFC19E"
        android:onClick="onClick"
        android:text="BACK" />
</LinearLayout>


// activity_wish

<?xml version="1.0" encoding="utf-8"?>
```

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="10dp"
        android:orientation="horizontal">

        <ImageView
            android:id="@+id/imageView4"
            android:layout_width="51dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center_vertical"
            app:srcCompat="@android:drawable/ic_input_add" />

        <EditText
            android:id="@+id/et_wish"
            android:layout_width="280dp"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPersonName" />

        <Button
            android:id="@+id/btn_add"
            style="@style/Widget.AppCompat.Button.Colored"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="addWish"
            android:text="추가"
            android:textSize="18sp" />

    </LinearLayout>

    <ListView
        android:id="@+id/list_wish"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginBottom="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:layout_marginTop="5dp"
        android:layout_weight="1"
        android:fastScrollAlwaysVisible="false" />

</LinearLayout>


// basket_adapter_view

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="5dp">

    <TextView
        android:id="@+id/bs_num"
        android:layout_width="30dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="1"
        android:textColor="@android:color/black"
        android:textSize="18sp" />

    <TextView
        android:id="@+id/bs_name"
        android:layout_width="wrap_content"
```

```xml
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="상품명"
                android:textColor="@android:color/black"
                android:textSize="18sp" />

        <TextView
                android:id="@+id/bs_price"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:gravity="right"
                android:text="상품가격"
                android:textColor="@android:color/black"
                android:textSize="18sp" />
</LinearLayout>


// search_adapter_view

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:paddingBottom="10dp"
        android:paddingTop="10dp">

        <TextView
                android:id="@+id/tv_num"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="20dp"
                android:text="1"
                android:textSize="18sp" />

        <TextView
                android:id="@+id/tv_info"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_alignParentTop="true"
                android:layout_marginLeft="16dp"
                android:layout_marginStart="16dp"
                android:layout_toEndOf="@+id/tv_num"
                android:layout_toRightOf="@+id/tv_num"
                android:text="TextView"
                android:textSize="18sp"
                android:textStyle="bold" />

        <TextView
                android:id="@+id/tv_detail_info"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_alignLeft="@+id/tv_info"
                android:layout_alignStart="@+id/tv_info"
                android:layout_below="@+id/tv_num"
                android:layout_marginTop="3dp"
                android:text="TextView" />
</RelativeLayout>


// wish_adapter_view

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView
                android:id="@+id/w_num"
                android:layout_width="40dp"
                android:layout_height="wrap_content"
                android:gravity="center"
                android:paddingBottom="10dp"
```

```xml
        android:paddingTop="10dp"
        android:text="1"
        android:textSize="18sp" />

    <TextView
        android:id="@+id/w_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:paddingBottom="10dp"
        android:paddingTop="10dp"
        android:text="상품명"
        android:textSize="18sp" />

</LinearLayout>
```

[menu]

// house_menu

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/menu_search"
        android:title="검색하기" />

    <item
        android:id="@+id/menu_wish"
        android:title="위시리스트 확인" />

    <item
        android:id="@+id/menu_userInfo"
        android:title="내 정보 보기" />

</menu>
```

// main_menu

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/menu_logout"
        android:title="로그아웃" />

</menu>
```

// search_menu

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/menu_wish"
        android:title="위시리스트 확인" />

    <item
        android:id="@+id/menu_household"
        android:title="가계부" />

    <item
        android:id="@+id/menu_userInfo"
        android:title="내 정보 보기" />

</menu>
```

```
// shop_menu

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/menu_search"
        android:title="검색하기" />

    <item
        android:id="@+id/menu_wish"
        android:title="위시리스트 확인" />

    <item
        android:id="@+id/menu_household"
        android:title="가계부" />

</menu>



// wish_menu

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/menu_search"
        android:title="검색하기" />

    <item
        android:id="@+id/menu_household"
        android:title="가계부" />

    <item
        android:id="@+id/menu_userInfo"
        android:title="내 정보 보기" />

</menu>
```

- AndroidManifest

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.weeheajin.cart">

    <!-- To auto-complete the email text field in the login form with the user's emails -->
    <uses-permission android:name="android.permission.BLUETOOTH" />
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="android.permission.NFC" />

    <uses-feature
        android:name="android.hardware.nfc"
        android:required="false" />

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity
            android:name=".LoadingActivity"
            android:theme="@style/Theme.AppCompat.NoActionBar">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
```

```xml
                </intent-filter>
        </activity>
        <activity android:name=".BluetoothActivity" />
        <activity android:name=".MainActivity" />
        <activity android:name=".WishActivity" />
        <activity android:name=".DetailActivity" />
        <activity android:name=".LoginActivity" />
        <activity android:name=".MemberActivity" />
        <activity android:name=".UserInfoActivity" />
        <activity android:name=".Household_ledger_Activity" />
        <activity android:name=".SearchActivity" />
        <activity android:name=".PaymentActivity" />
        <activity android:name=".PaymentActivity2"></activity>
    </application>

</manifest>
```