Software Exercise 4
Practice Week #15
JSP, Mobile Web Page

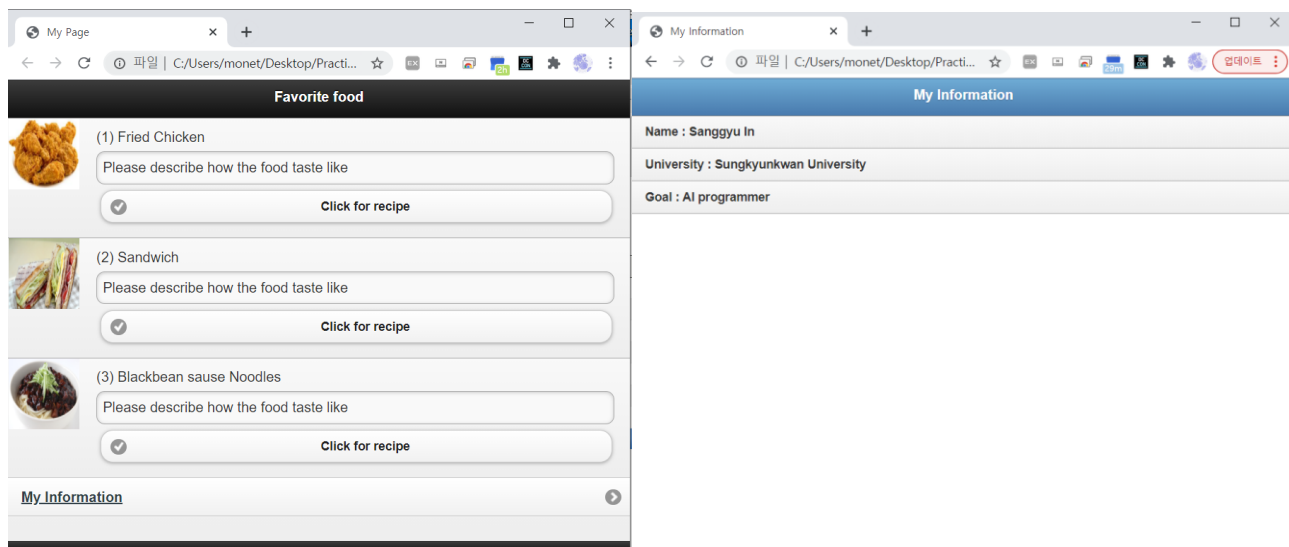**Problem #1 (30 pts) My favorite Food Recipes**

Your goal is to make a homepage that shows the list of your favorite food. Use the given source code to complete it as follows:

Use cases

1. If user click a food listview (ex. Fried chicken), they will be directed to the website which includes the recipe you've found.

2. User can input text in textbox

3. When user click the 'My Information' below, new page including your information will be shown.

Compulsory UI components

1. Food image

2. Food name

3. Textbox

4. Check button

5. My information {name, university, goal}

Problem #2 (20 pts) **Search Movie from Table**

Make the following web page using the given source.

Use cases

1. When user search for a movie title, table must be filtered accordingly

2. When user click any movie title, they will be directed to Wikipedia related to the movie title

3. When user click 'X' icon, research bar will be refreshed

Compulsory UI components

1. Tableview
2. Movie rank, tittle, year, rating, and reviews

Rank	Movie Title	Year	Rating	Reviews
1	Citizen Kane	1941	100%	74
2	Casablanca	1942	97%	64
3	The Godfather	1972	97%	87

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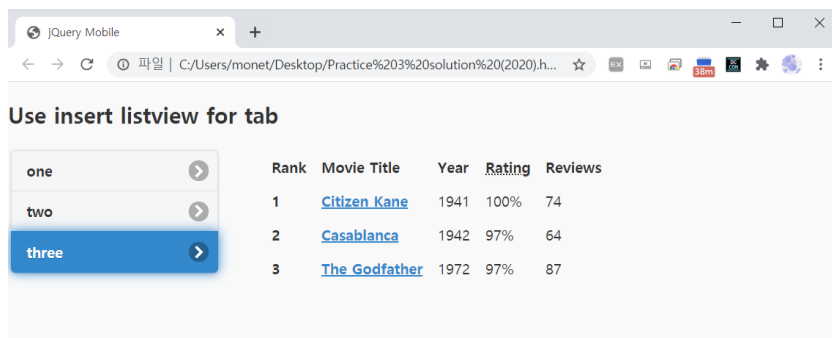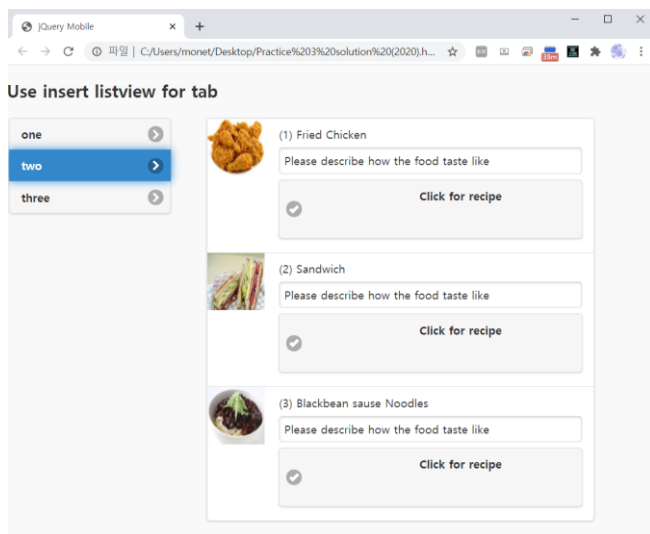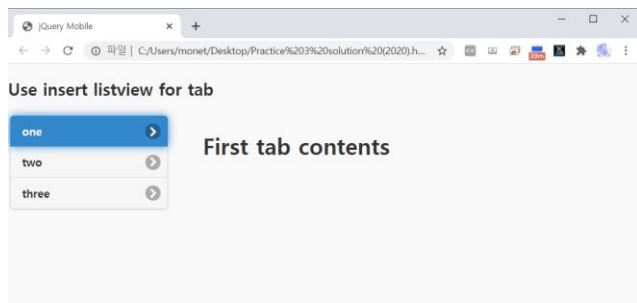| Rank	Movie Title	Year	Rating	Reviews
2	Casablanca	1942	97%	64

Problem #3 (20 pts) Listview for tab

Use the given source code to complete the following three conditions:

Use cases

1. Click "one", user will see something like this ("First tab contents")
2. Click "two", user can view your 'My Favorite Food Recipes' what you have made in Problem #1.
3. Click "three", user can view your 'Movie Table' what you have made in Problem #2.

Compulsory UI components

1. Outer listview for "one", "two", and "three"
2. Inner listview for Recipes list (without my information)
3. Inner listview for Movie table (without search tab)

Problem #4 (30 points). Read data from DB

➢ Your goal is to read data from DB and show on browser
➢ DB name: problem4
➢ Table name: problem4_db
➢ Table structure:

```
CREATE TABLE `book_db`.`sample` (
    `CITY_NAME` VARCHAR(20) NOT NULL,
    `LATITUDE` INT(45) NOT NULL,
    `LONGITUDE` INT(45) NOT NULL,
    PRIMARY KEY (`CITY_NAME`));
```

➢ Result:

City Location

City	Latitude	Longitude
London	52.0	0.0
NewYork	41.0	-74.0
Seoul	38.0	127.0

➢ Save file name as 'Problem4.jsp'

Submission Guidelines

✦ A file named W15_ID_NAME.zip via icampus.
  - In the zip file, Problem1.html, Problem2.html, Problem3.html, Problem4.jsp should be involved (4 files in total).
✦ Grading policies:
  - Your comments (if any) must be written in ENGLISH
  - Clean code, good commenting are important components of your grade.