

Internship *Mission*

2013 Beijing

【The Mission】

You, as an engineer of the software package vendor, are in the process of designing an application software which your customers can increase their profit.

In this project, the target of the product is companies which own many fast food chains across the country: like McDonalds, Kentucky Fried Chicken or Pizza Hat.

The main users are the area managers, in charge of a particular area with several stores.

What kind of daily work does your product control? When your product will be used? Whatever as you like. Define your product by yourself.

Please carefully concern how they operate their fast food chains and why they are willing to purchase your application.

【The Procedure】

①Write a “**Catalog**”, referring to CSV files given by fast food chains.

Rules:

- Use English Only
- Use the given format sheet “ID_fullname_Catalog.xls” as a template.
- Your catalog must state why your product would be attractive to your customers.
- Functions on your “**Catalog**” must show what benefits they would give, but try not to use specific computer language because your customers are not computer scientists but area-managers in fast food chain.
- You can add other data, columns, tables on CSV files which we prepared if necessary. However, please **do not** change given data.

②Write programs which achieve the functions written in your catalog.

Rules:

- Your programs must be written as batch programs.
- Compile and execute in Java 7 environment.
- Use object-orientated modeling.
- Use only English in any parts: source codes, documents and outputs, including comments.
- Your program must be able to execute following the instructions of your “**ReadMe**”.
- You do not have to implement all functions written in your catalog, but you should provide at least one function which has the highest priority.

Notes:

- You are allowed to change the sample source code if you want to improve the performance.

③Write “**ReadMe**” and “**Source Code Appeal**” by using the sample (see “ID_fullname_ReadMe.xls”).

Rules:

- Use English Only

【The Submission】

Each submission is permitted only once.

Check your submission carefully before you upload.

File Names:

All of your documents (“Catalog” and “ReadMe”) have to start with “ID_FullName”.
e.g. 101_SampleName_Catalog.xls

“Catalog” Submission

First submission

Upload your “Catalog” to “ID/1st_submission” on internet server.

Deadline: By 16:30 on the previous day of “Catalog” Review1.

Second Submission

Upload your “Catalog” to “ID/2nd_submission” on internet server.

Deadline: By 16:30 on the previous day of "Catalog" Review2.

Final Submission

The list you have to submit.

- "Catalog"
- "ReadMe"
- CSV files
- Source Code

Steps:

- I. All of your submissions have to be in the following directory
“/desktop/intern/Worksap/workspace/China_Intern”.
- II. You can create following directory within “China_Intern” directory of your local PC.
 - doc (Put Catalog, ReadMe and any other documents which you think required.)
 - files(Put your input and output files.)
 - lib (Put libraries which is needed to compile and execute your program.)
 - src (Put your source code.)
- III. Use shell command to change directory (cd) to
“/desktop/intern/Worksap/workspace/China_Intern”.
e.g. cd /home/works/Desktop/intern/Worksap/workspace/China_Intern
- IV. Kick “make_tar_for_project.sh”.
The first argument is your ID, and the second argument is your full name.
e.g. ./make_tar_for_project.sh 000 SampleName
- V. Check the directory whether the following file is created.
“000_SampleName_Project.tar.gz”
- VI. Upload the file to “ID/Final_submission” on internet server.

Deadline: By 16:30 on the previous day of "Product Demonstration".

However, if you have Demo on Nov. 3rd, your deadline is Nov. 1st.

【FAQ】

Q1. Can I use Data Base?

A1. No, you cannot.

Q2. Can I use the power point for my Product Demonstration?

A2. Yes, you can. However, the main subject is your product and "Catalog".

Power point is just a supplemental material.

Your demonstration time is not so long, so you should concentrate to explain your product.

Q3. I am wondering that there is not bearing on or connection among the sample data.

A3. The sample data is just samples. We do not give exactly consistencies among data.

Please focus your attention on increasing users' profit, do not waste time on analyzing the sample data.