DANANG SOFTWARE CORPORATION
SOFTECH-APTECH

HK EMP TRANSFER MANAGEMENT

Team members:
Ly Thanh Hai
Nguyen Khanh

❖ **Group name :**   Group 1
❖ **Class :**   Batch 120
❖ **Instructor :**   Vu Thi Thanh Huyen
❖ **Group Members :**
  - Ly Thanh Hai
  - Nguyen Khanh

I. Acknowlegement

We have taken efforts in this project. However, it would not have been possible without the kindly support and help of many individuals and organizations. We would like to extend our sincerely thankful to all of them.

We want to express our deep gratitude to the Softech-Aptech for their guidance and constant supervision as well as providing necessary information regarding the project, especially thanks to Mrs. Vu Thi Thanh Huyen who teach us many things during this project as well as helped us develop the analysis proceeding from it and debugged code.

II. Introduction

'EMP Transfer Management' is a software belong to HK Coporation, which help the leader of company can manage the transfer of employee between projects. It offers various function such as create/update/remove employee, create/request/approve transfers. It also have ability to generate report of transfer in particular need.

III. Problem definition

Currently the transfer records are maintained in the computer but there is no fixed format for it. Also the information needs to be shared by releasing circulars to the respective managers and employees and other related staff members (if any).

The information though maintained on computers, entire information can not be found at single place. If higher management wants some details about the transfers, they have to get it from the respective department heads. This becomes time consuming.

Proposed Solution

The management has decided to have a system for managing the transfers which will access a central database. This system can be installed on all the machines and the employees will have restricted access levels.

The system will have logins for employees and system administrator. And searching transfer records, making new transfers, genera report etc will be taken care of.

IV. Requirement Attributes

1) Functional Requirements

a) Login

i. Human resource manager
HR can login to view records, add new employee, update employee, approved transfer requests, create new transfer.

ii. Project manager
PM can login to view records, submit transfer request.

iii. President
The president can login to view records.

b) Getting infomations

i. Search transfer records
Show transmissions's detail, its status.
- Search by ID
- Search by name
- Search by From Project
- Search by To Project

ii. Search Employees

Show that employees's profile, is available or not, if not, show current work.
- Search by ID
- Search by name
- Search by From Project
- Search by To Project

iii. Update transfer records

When in need, HR can update the existing record of employee

iv. Create new transfer

HR can create a new transfer and make it approved immediately.

c) Project manager can request for transfer

When the PM see that the project need more employee, he/she can search for the employee match the need, then make new request transfers.

d) HR approves transfer

After a request transfer is created, the noftification send to HR, then HR login to system and decide to approve or decline the request.

e) Generate reports

After every week or month, the HR can generate reports, which showing infomations about transfers in that time.

f) Logout

2) Hardware and software requirement
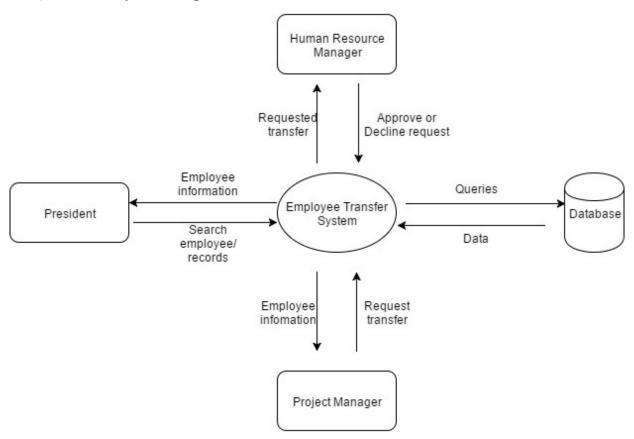- **Hardware**
  - Processor 166 Mhz or higher
  - Ram more than 128
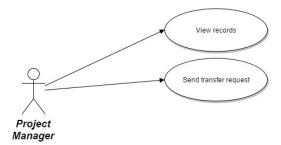 - Disk space lager than 500Mb
- **Software**
  - Windows XP or higher, Linux, MacOsX
  - Java 6 or higher
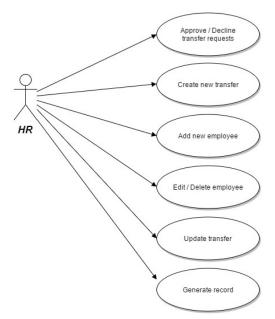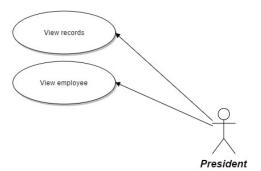 - Microsoft SQL Server 2008 or higher
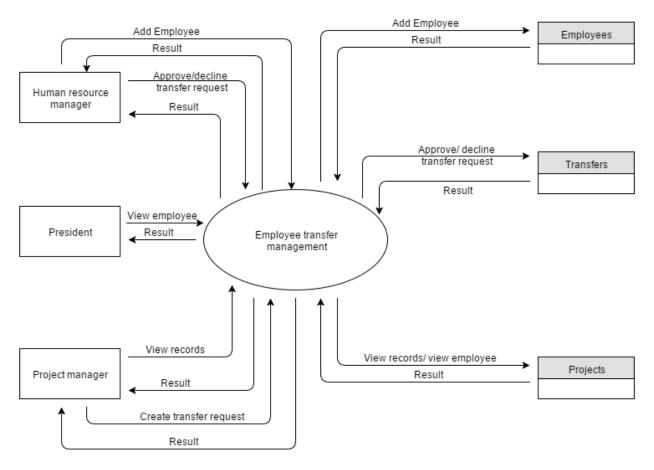
V. System Analysis
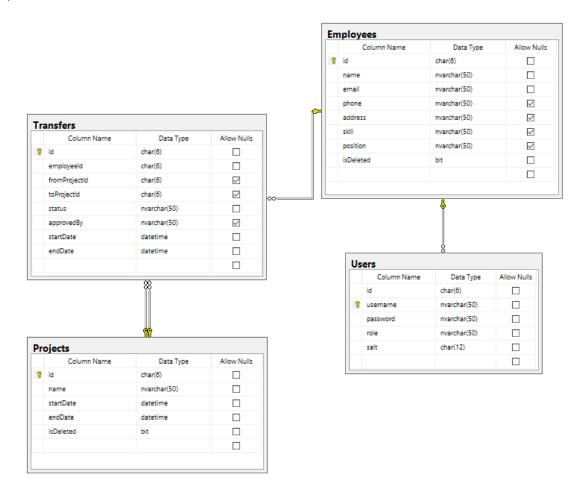
1) General System Diagram

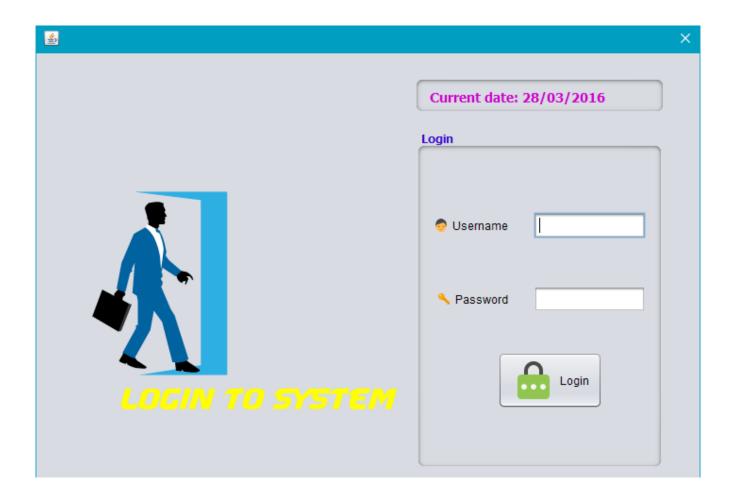## 2) Usercase Diagram

3) Data Flow Diagram

4) Database

Employees

Column Name	Data Type	Allow Nulls
id	char(6)	☐
name	nvarchar(50)	☐
email	nvarchar(50)	☐
phone	nvarchar(50)	☑
address	nvarchar(50)	☑
skill	nvarchar(50)	☑
position	nvarchar(50)	☑
isDeleted	bit	☐
		☐

Transfers

Column Name	Data Type	Allow Nulls
id	char(6)	☐
employeeId	char(6)	☐
fromProjectId	char(6)	☑
toProjectId	char(6)	☑
status	nvarchar(50)	☐
approvedBy	nvarchar(50)	☑
startDate	datetime	☐
endDate	datetime	☐
		☐

Users

Column Name	Data Type	Allow Nulls
id	char(6)	☐
username	nvarchar(50)	☐
password	nvarchar(50)	☐
role	nvarchar(50)	☐
salt	char(12)	☐
		☐

Projects

Column Name	Data Type	Allow Nulls
id	char(6)	☐
name	nvarchar(50)	☐
startDate	datetime	☐
endDate	datetime	☐
isDeleted	bit	☐
		☐

VI. Design

1) Main form

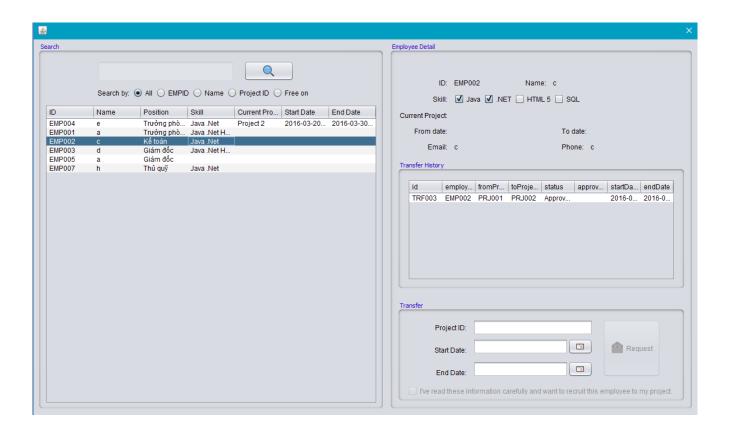**2) Login form**

3) Add User form
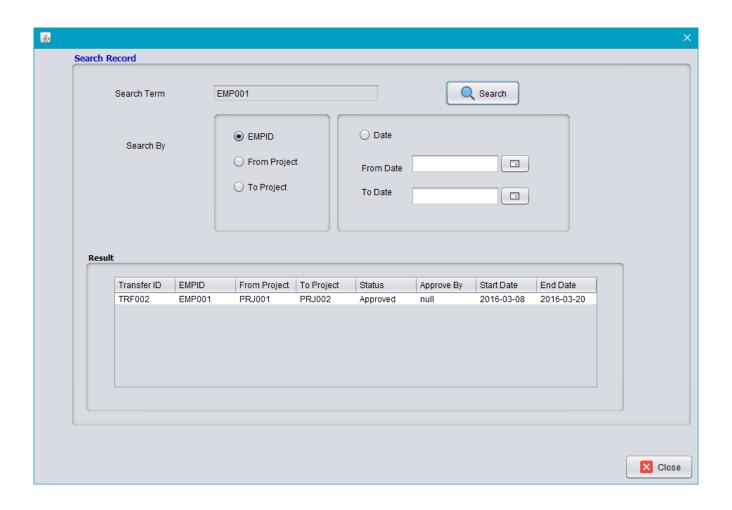
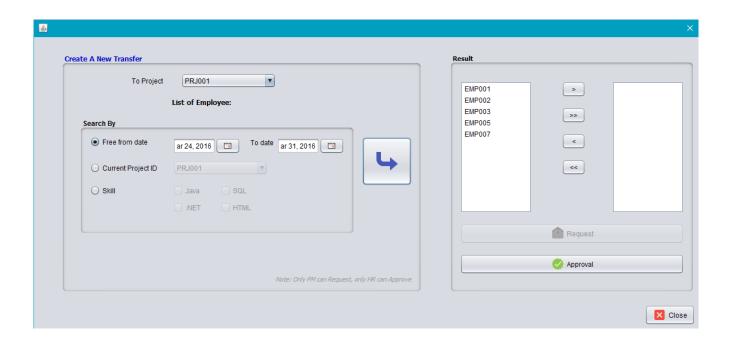### 4) Manage Employee form

5) **Manage Project form**

6) Search Employee form

7) Search Records form

8) Create A New Transfer form

9) Approval Transfer form

10) Generate Report form

Report transfers

● In particular month   March ▼ ⬍   2016 ⬍

○ Date range   From date [   ] 🔲

To date [   ] 🔲

○ In particular project

From Project   PRJ001 ▼

And ▼

To Project   PRJ001 ▼

VII.   Task Sheet

No.	Name	From Date	To Date	Status	Assigned
First stage: Research and design system					
1	Design functions/role				Ly Thanh Hai
2	Draw diagrams				Ly Thanh Hai
3	Design mockup				Nguyen Khanh
4	Design database				Nguyen Khanh
Second stage: Coding					
1	Main form				Ly Thanh Hai + Nguyen Khanh
2	Login/logout				Ly Thanh Hai
3	Add user				Ly Thanh Hai
4	Manage project				Ly Thanh Hai
5	Search for transfer records				Ly Thanh Hai
6	Create a new transfer				Ly Thanh Hai
7	Generate report				Ly Thanh Hai
8	Manage employee				Nguyen Khanh
9	Search for employee and request transfer				Nguyen Khanh
10	Approval transfer				Nguyen Khanh