

**DANANG SOFTWARE CORPORATION
SOFTECH-APTECH**



HK EMP TRANSFER MANAGEMENT

Team members:
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Nguyen Khanh

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

I. Acknowledgement

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 informations

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**

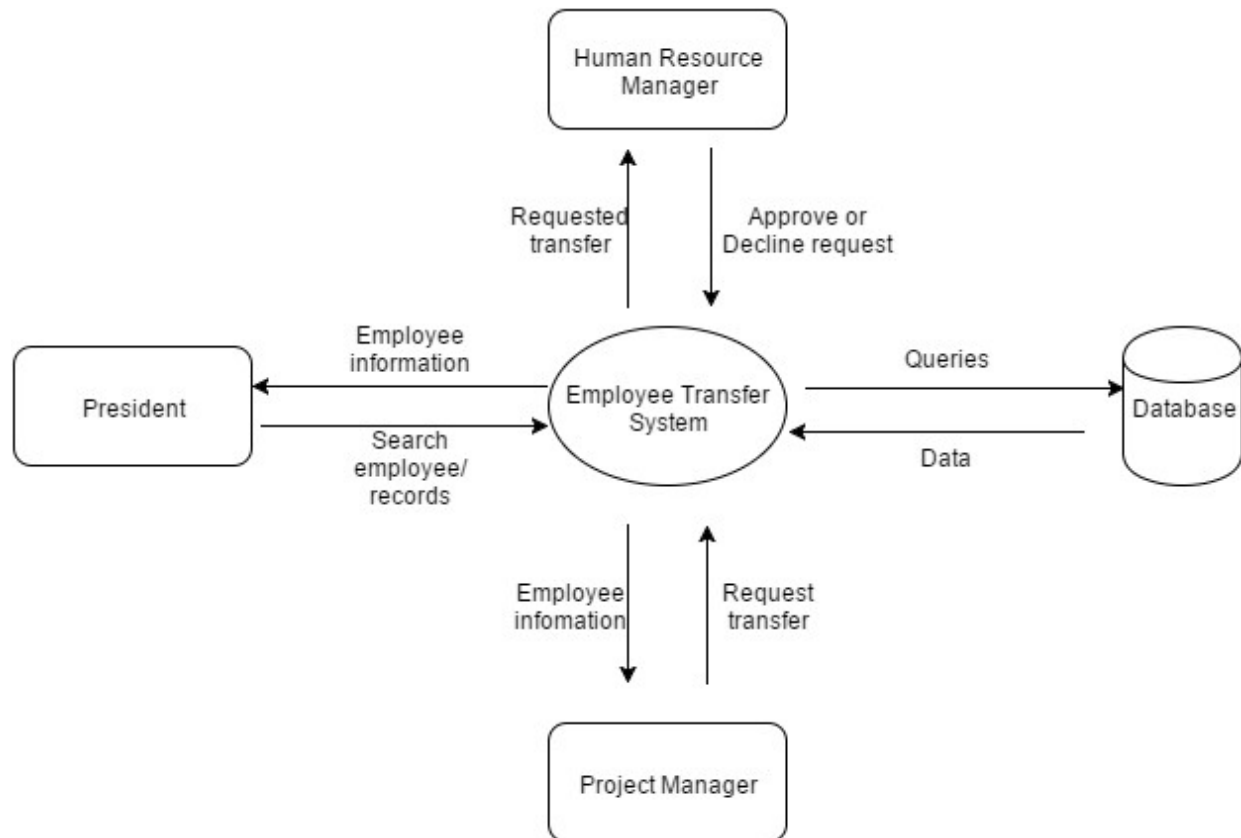
- Processor 166 Mhz or higher
- Ram more than 128
- Disk space lager than 500Mb

● **Software**

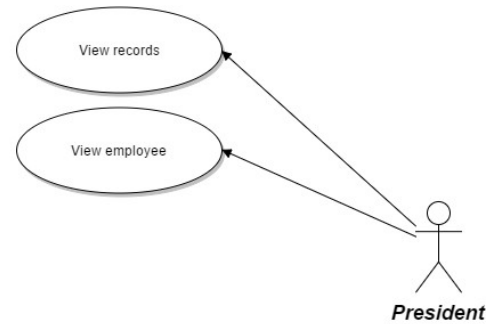
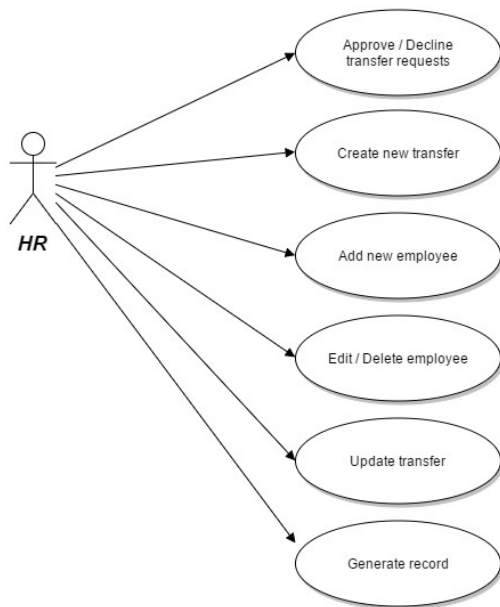
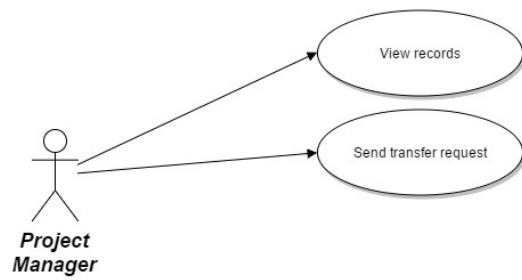
- Windows XP or higher, Linux, MacOSX
- Java 6 or higher
- Microsoft SQL Server 2008 or higher

V. System Analysis

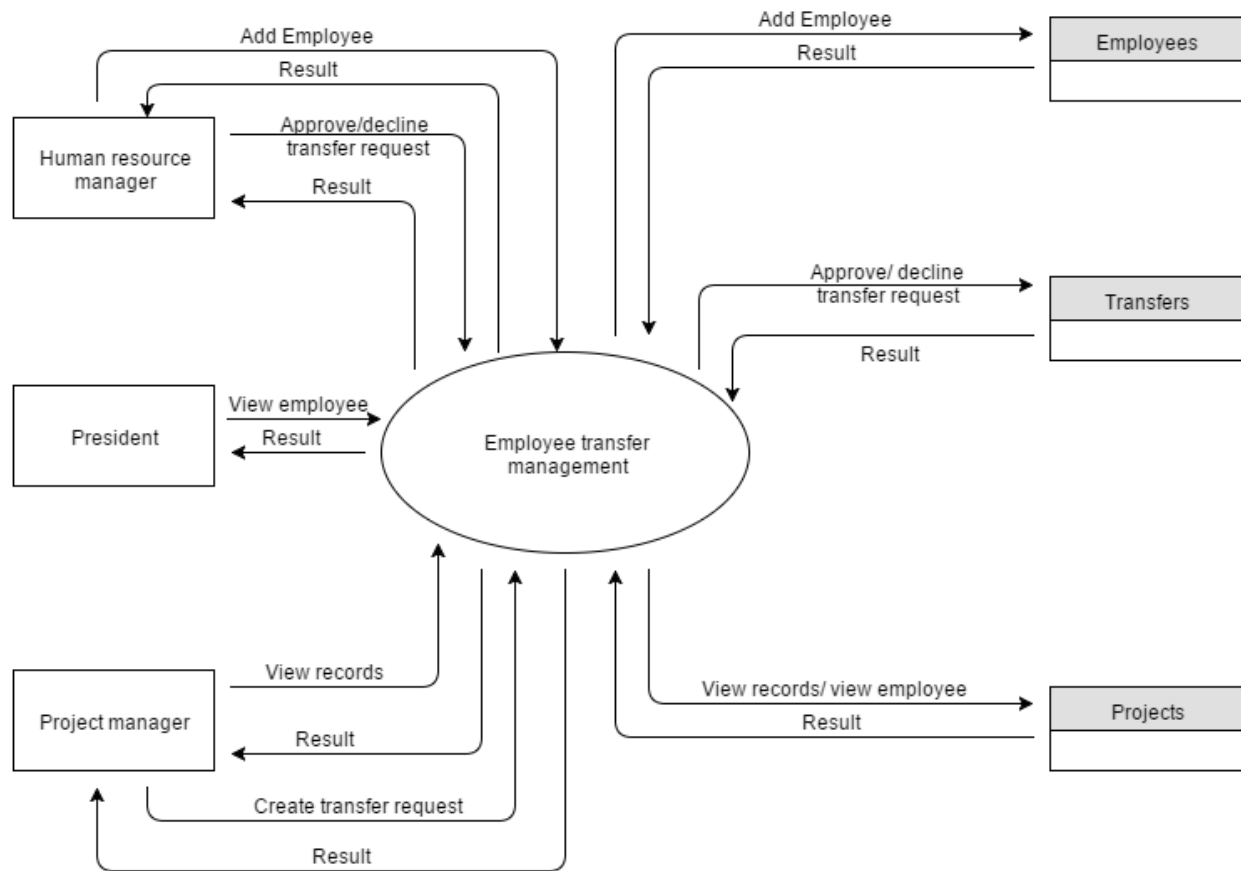
1) General System Diagram



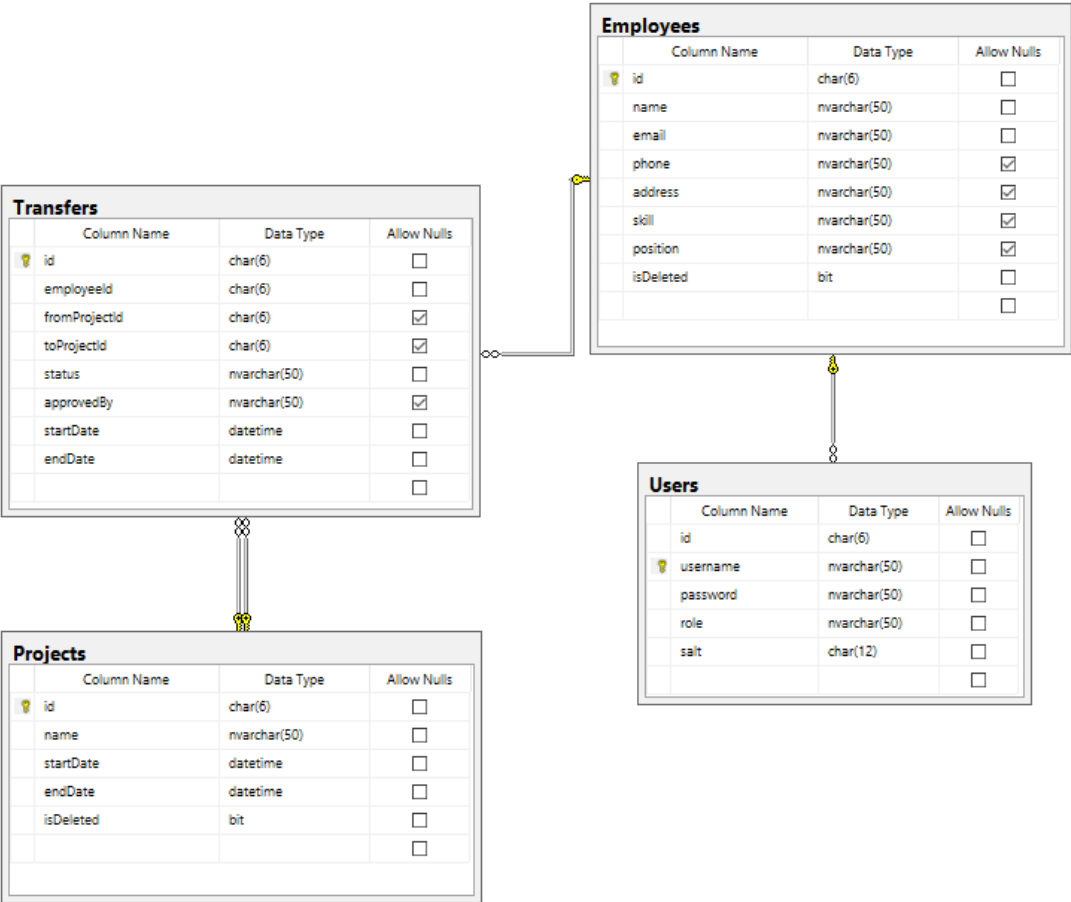
2) Usecase Diagram



3) Data Flow Diagram

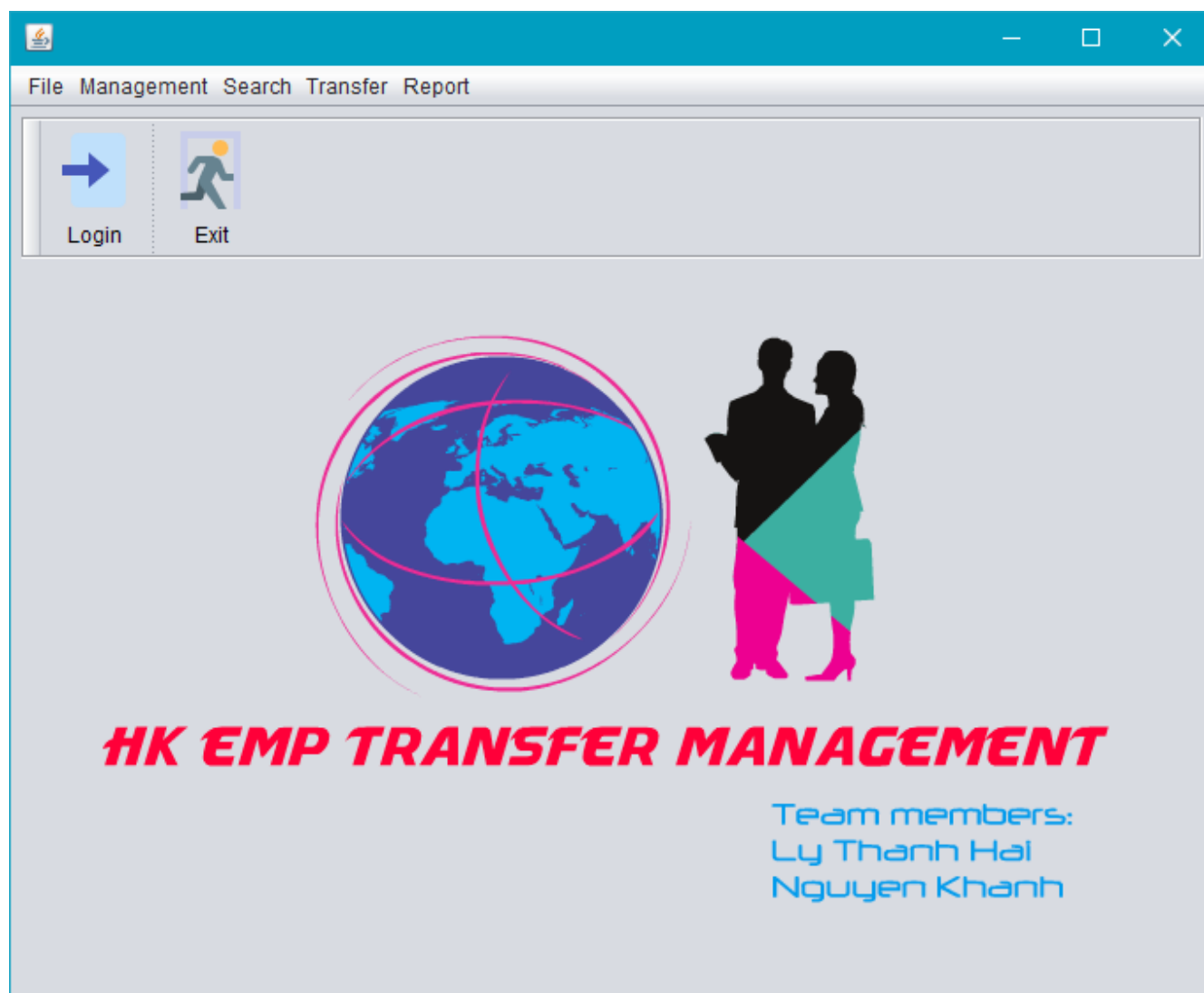


4) Database

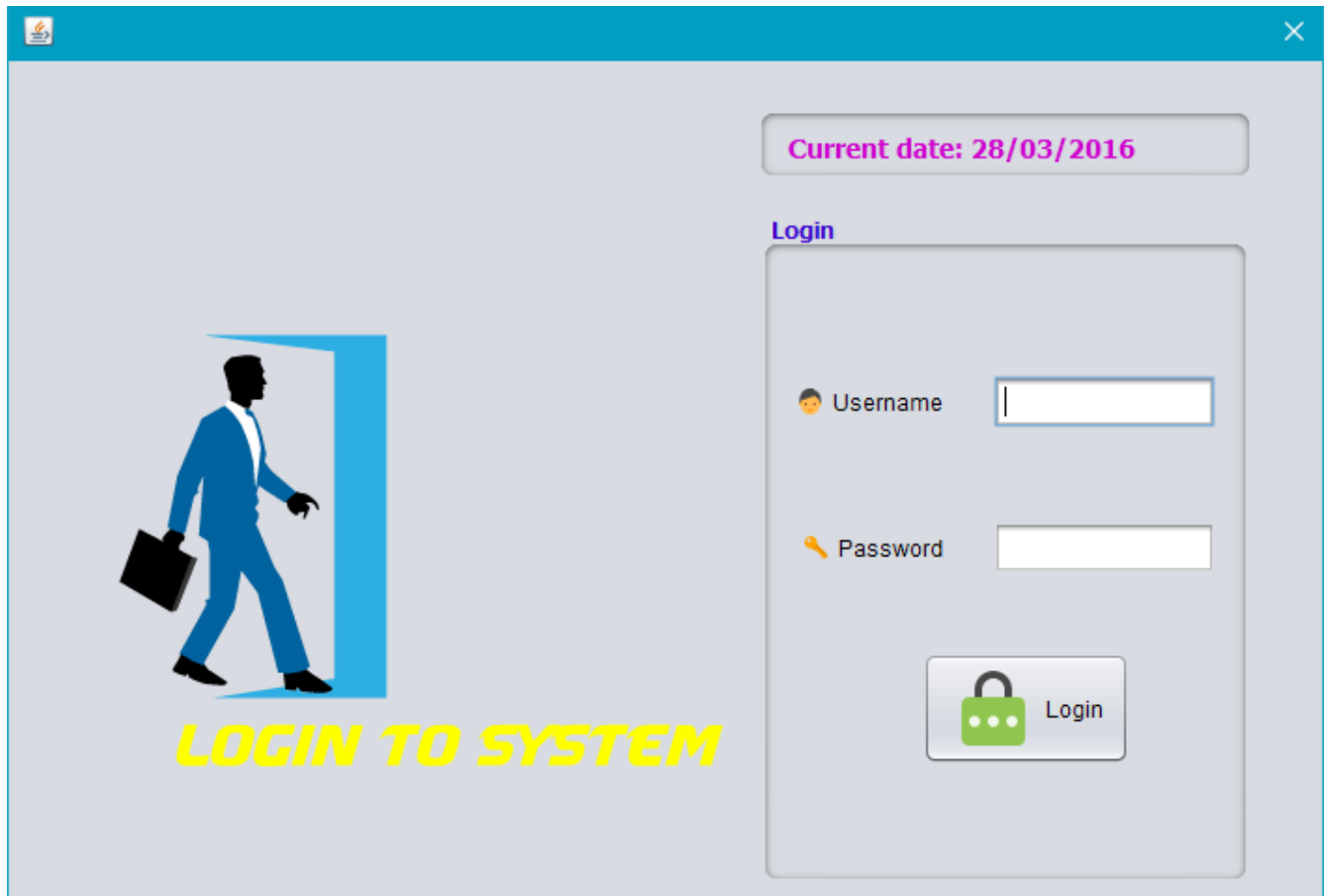


VI. Design

1) Main form



2) Login form




The screenshot shows a web application window with a blue header bar. On the left, there is a blue silhouette of a person in a suit walking through a blue doorway, carrying a black briefcase. Below this graphic, the text **LOGIN TO SYSTEM** is displayed in yellow, italicized, all-caps font. On the right side of the window, there is a login form. At the top of the form, a purple box contains the text 'Current date: 28/03/2016'. Below this, the word 'Login' is written in blue. The form contains two input fields: 'Username' with a person icon and 'Password' with a key icon. At the bottom of the form is a 'Login' button with a green padlock icon and three dots.

Current date: 28/03/2016

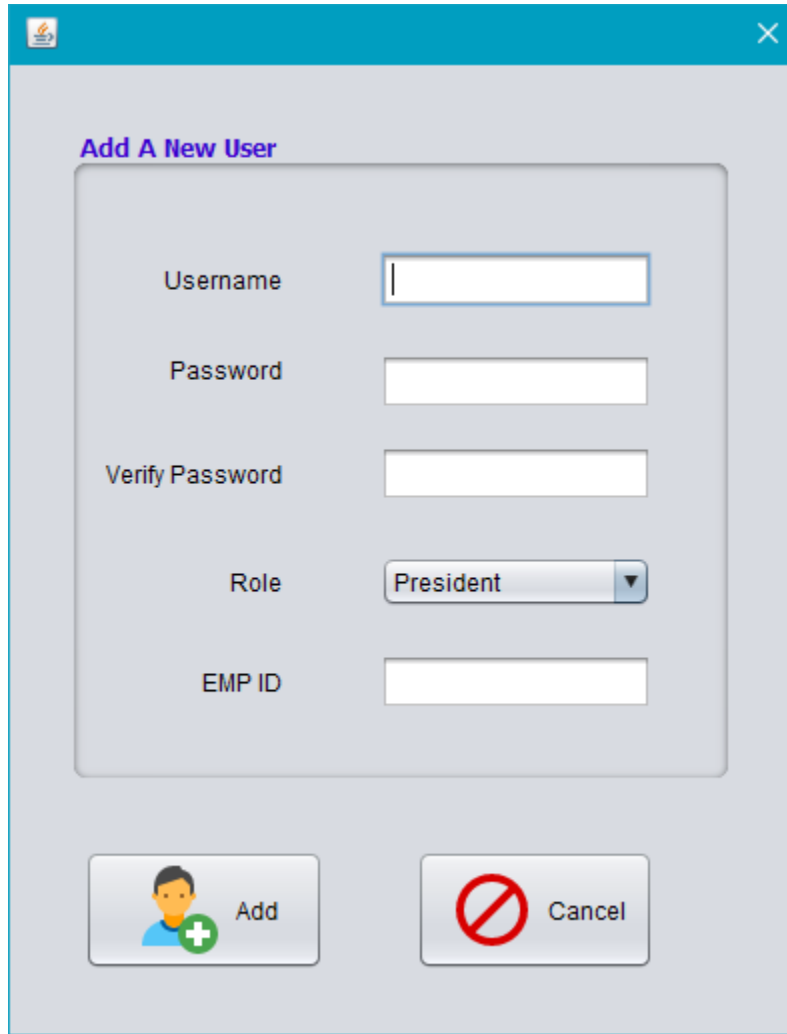
Login

Username

Password

 Login

3) Add User form



The image shows a software window titled "Add A New User" with a blue header bar containing a small icon and a close button. The main area is light gray and contains a white-bordered box with the following fields:

- Username:** A text input field with a vertical cursor.
- Password:** A text input field.
- Verify Password:** A text input field.
- Role:** A dropdown menu currently showing "President".
- EMP ID:** A text input field.

Below the input fields are two buttons:

- Add:** A button with a user icon and a green plus sign.
- Cancel:** A button with a red prohibition sign.

Employee Transfer Management

4) Manage Employee form

The screenshot displays a web application interface for managing employees. It is divided into three main sections: Search, Employee Information, and a data table.

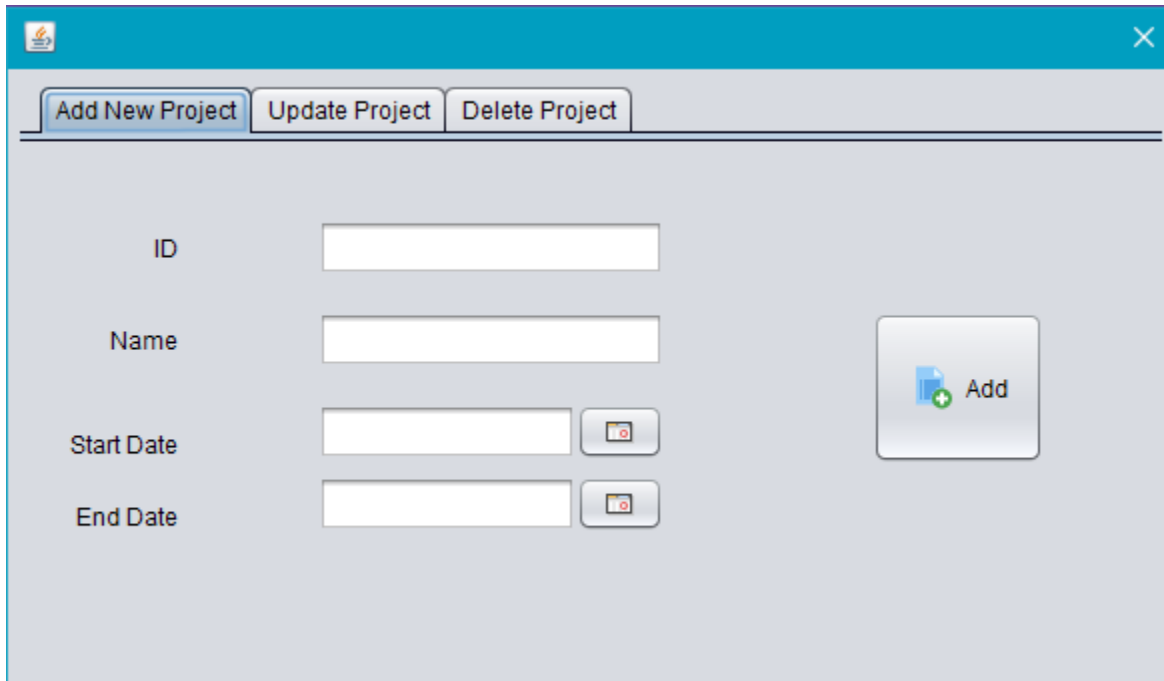
Search Section: Contains a search input field with the value "EMP001" and a dropdown arrow. Below it, under the heading "Commands", are three buttons: "Add" (with a plus icon), "Save Edit" (with a floppy disk icon), and "Delete" (with a trash can icon).

Employee Information Section: Contains several input fields for employee details: "Name:", "Email:", "Phone:", and "Address:". Below these is a "Skill" section with four checkboxes: "Java", ".NET", "HTML5", and "SQL". There is also a "Current status:" label. The "Position:" field is a dropdown menu currently showing "Nhân viên".

Data Table: A table with four columns: "ID", "Name", "Position", and "Skill". It contains seven rows of employee data.

ID	Name	Position	Skill
EMP001	a	Trưởng phòng	Java .Net HTM...
EMP002	c	Kế toán	Java .Net
EMP003	d	Giám đốc	Java .Net HTM...
EMP004	e	Trưởng phòng	Java .Net
EMP005	a	Giám đốc	
EMP007	h	Thủ quỹ	Java .Net

5) Manage Project form



The screenshot displays a web-based form titled "Manage Project form". At the top, there is a blue header bar with a small icon on the left and a close button (X) on the right. Below the header, there is a light gray bar containing three buttons: "Add New Project" (highlighted in blue), "Update Project", and "Delete Project". The main form area has a light gray background and contains the following fields and controls:

- ID:** A text input field.
- Name:** A text input field.
- Start Date:** A text input field followed by a small calendar icon.
- End Date:** A text input field followed by a small calendar icon.
- Add Button:** A large, light gray button with a blue document icon and a green plus sign, labeled "Add".

6) Search Employee form

Search

Search by: ☒ All ☐ EMPID ☐ Name ☐ Project ID ☐ Free on

ID	Name	Position	Skill	Current Pro...	Start Date	End Date
EMP004	e	Trưởng phò...	Java .Net	Project 2	2016-03-20...	2016-03-30...
EMP001	a	Trưởng phò...	Java .Net H...			
EMP002	c	Kế toán	Java .Net			
EMP003	d	Giám đốc	Java .Net H...			
EMP005	a	Giám đốc				
EMP007	h	Thủ quỹ	Java .Net			

Employee Detail

ID: EMP002 Name: c

Skill: ☒ Java ☒ .NET ☐ HTML 5 ☐ SQL

Current Project:

From date: To date:

Email: c Phone: c

Transfer History

id	employ...	fromPr...	toProje...	status	approv...	startDa...	endDate
TRF003	EMP002	PRJ001	PRJ002	Approv...		2016-0...	2016-0...

Transfer

Project ID:

Start Date:

End Date:

Request

☐ I've read these information carefully and want to recruit this employee to my project.

7) Search Records form

Search Record

Search Term

EMP001

Search

Search By

☒ EMPID

☐ From Project

☐ To Project

☐ Date

From Date

To Date

Result

Transfer ID	EMPID	From Project	To Project	Status	Approve By	Start Date	End Date
TRF002	EMP001	PRJ001	PRJ002	Approved	null	2016-03-08	2016-03-20

Close

8) Create A New Transfer form

Create A New Transfer

To ProjectPRJ001

List of Employee:

Search By

☒ Free from date

ar 24, 2016

To date

ar 31, 2016

☐ Current Project ID

PRJ001

☐ Skill

☐ Java☐ SQL☐ .NET☐ HTML

Note: Only PM can Request, only HR can Approve

Result

EMP001
EMP002
EMP003
EMP005
EMP007

>

>>

<

<<

Request

Approval

Close

9) Approval Transfer form

Command

✓ Approve

✗ Decline


⊘ Cancel

Transfer History

Show: ☐ All Transfer ☒ Pending Transfer ☐ Approved Transfer ☐ Declined Transfer

ID	Employee ID	From Proje...	To Project ID	Status	Approved by	Start Date	End Date
TRF014	EMP004		PRJ002	Pending		2017-01-0...	2017-01-0...
TRF030	EMP005	PRJ001	PRJ002	Pending		2016-05-1...	2016-05-1...

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