Establishment & Accounts Management System

UNDER THE GUIDANCE OF
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FROM
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Introduction

- The *Establishment and Accounts Management System* (EAMS) is a software that is developed to automate the accounting and the establishment work of an organization.

- It is developed to reduce the laborious, manual and tedious work done in the organization(VNR VJIET).

- It is user-friendly and simple to work with. Errors can be easily traced.

Abstract

- The entire project is divided in to 6modules namely
  - ❖ Administrator.
  - ❖ Establishment.
  - ❖ Accounts Manager.
  - ❖ Accountant.
  - ❖ Clerk.
  - ❖ Employees.
- Establishment Management is done by 'Establishment' and 'Clerk' modules.
- Accounts Management is done by 'Accounts Manager' and 'Accountant' modules.
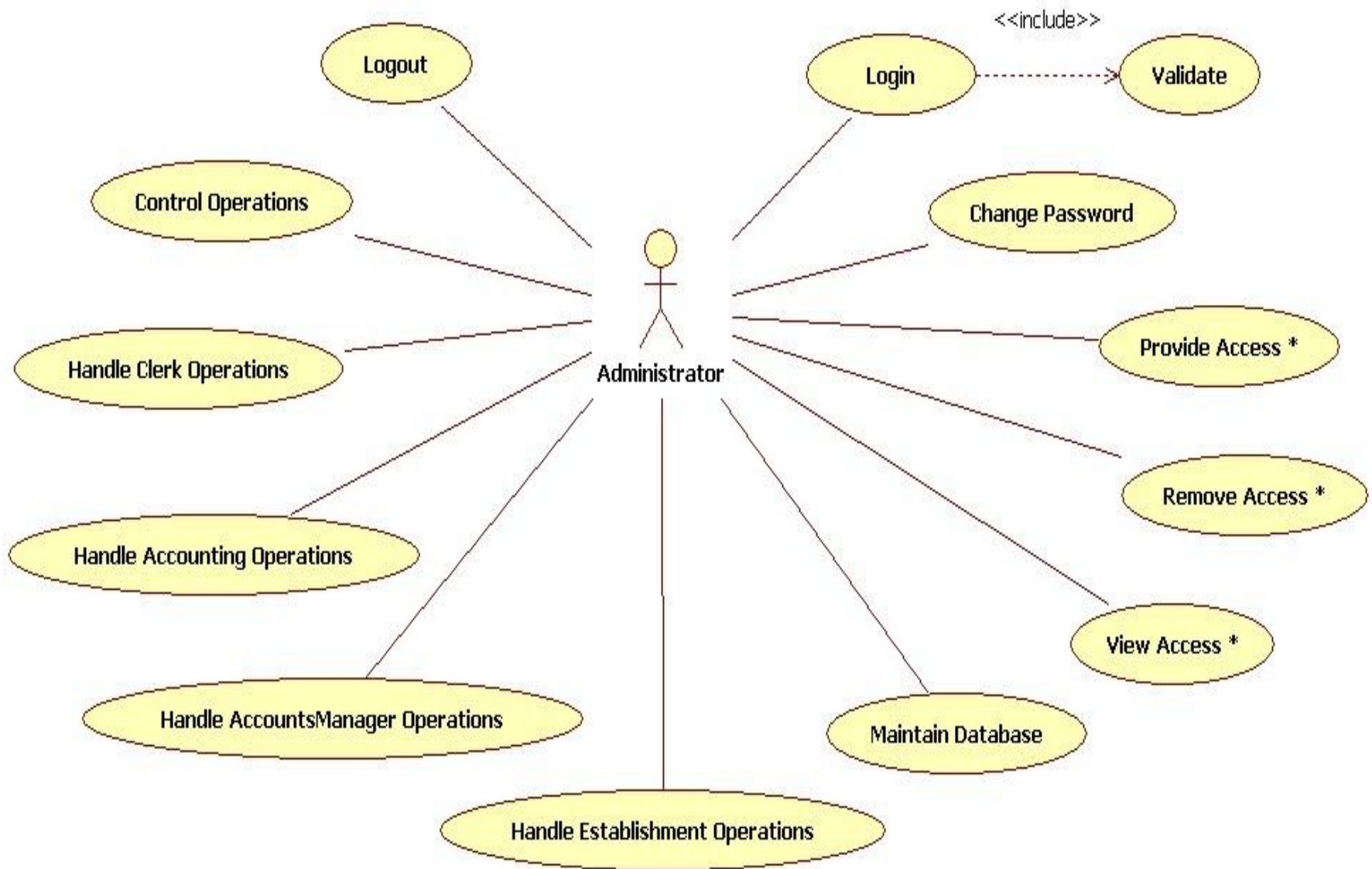
Design

- The system follows a client-server architecture.

- The design is prepared as per the specifications.

- The project is developed using a RAD model.

- The modules are developed individually and are integrated later to form the system.

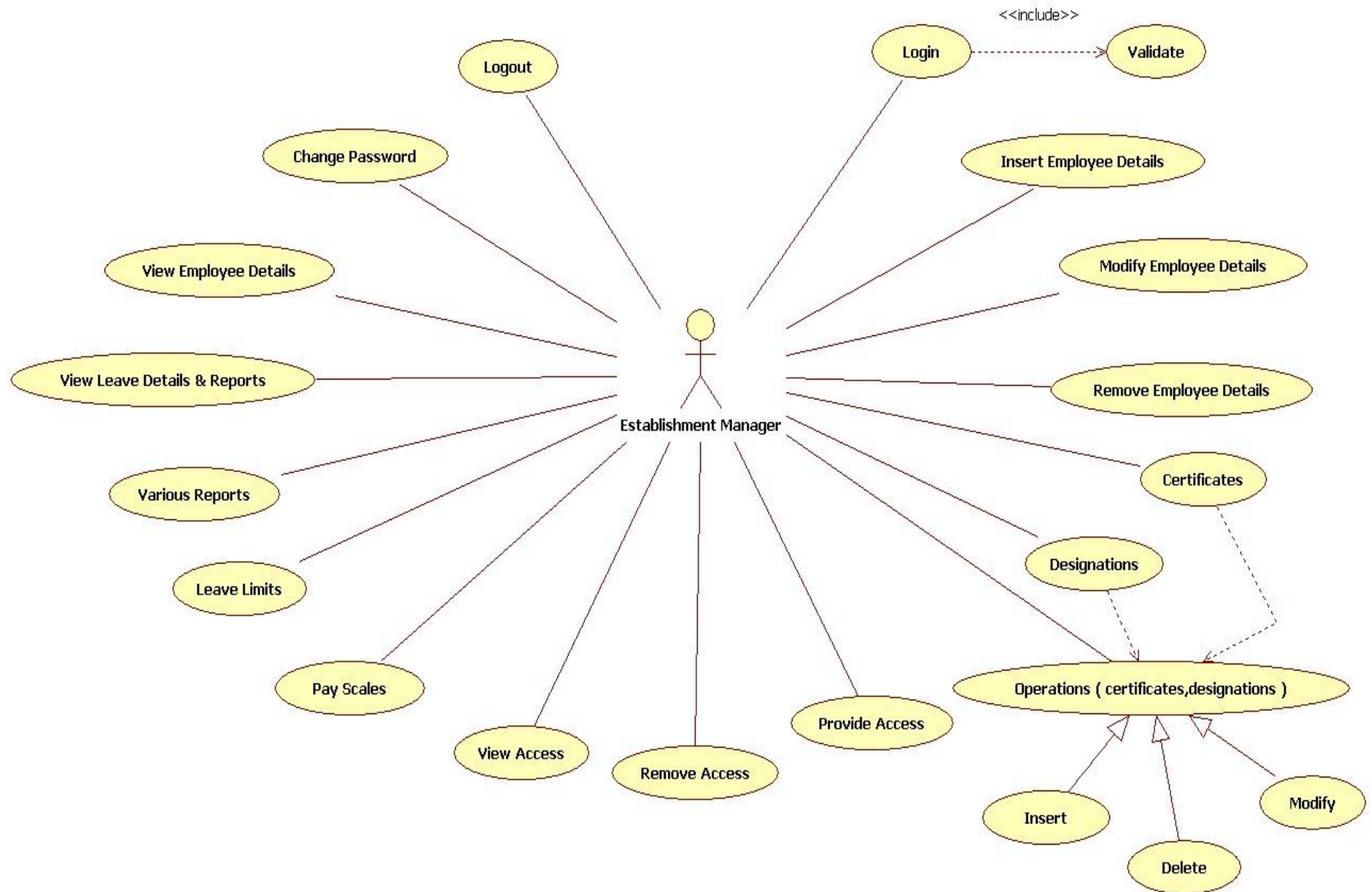- Testing is being performed using various testing techniques.
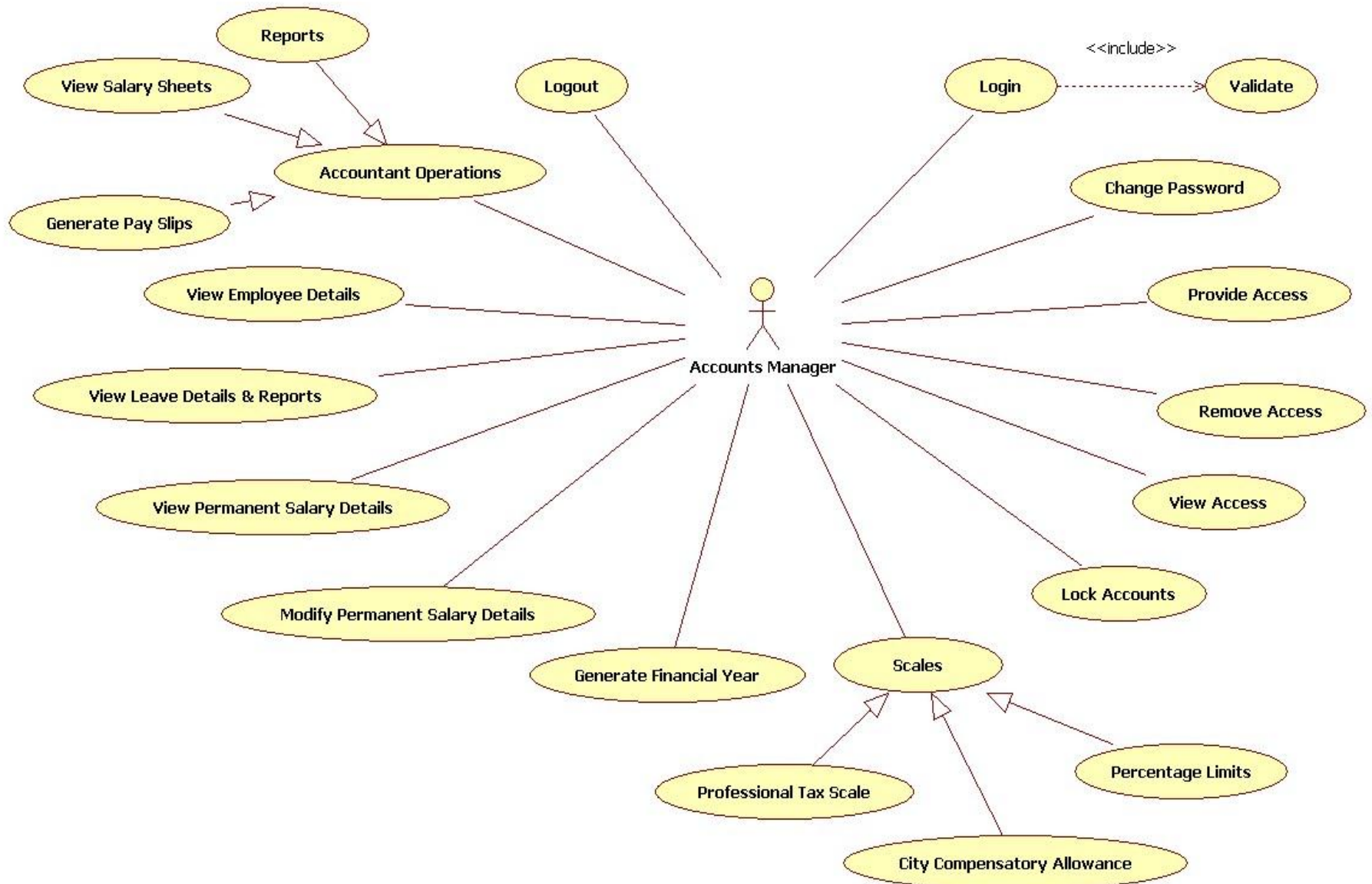
Architecture Diagrams

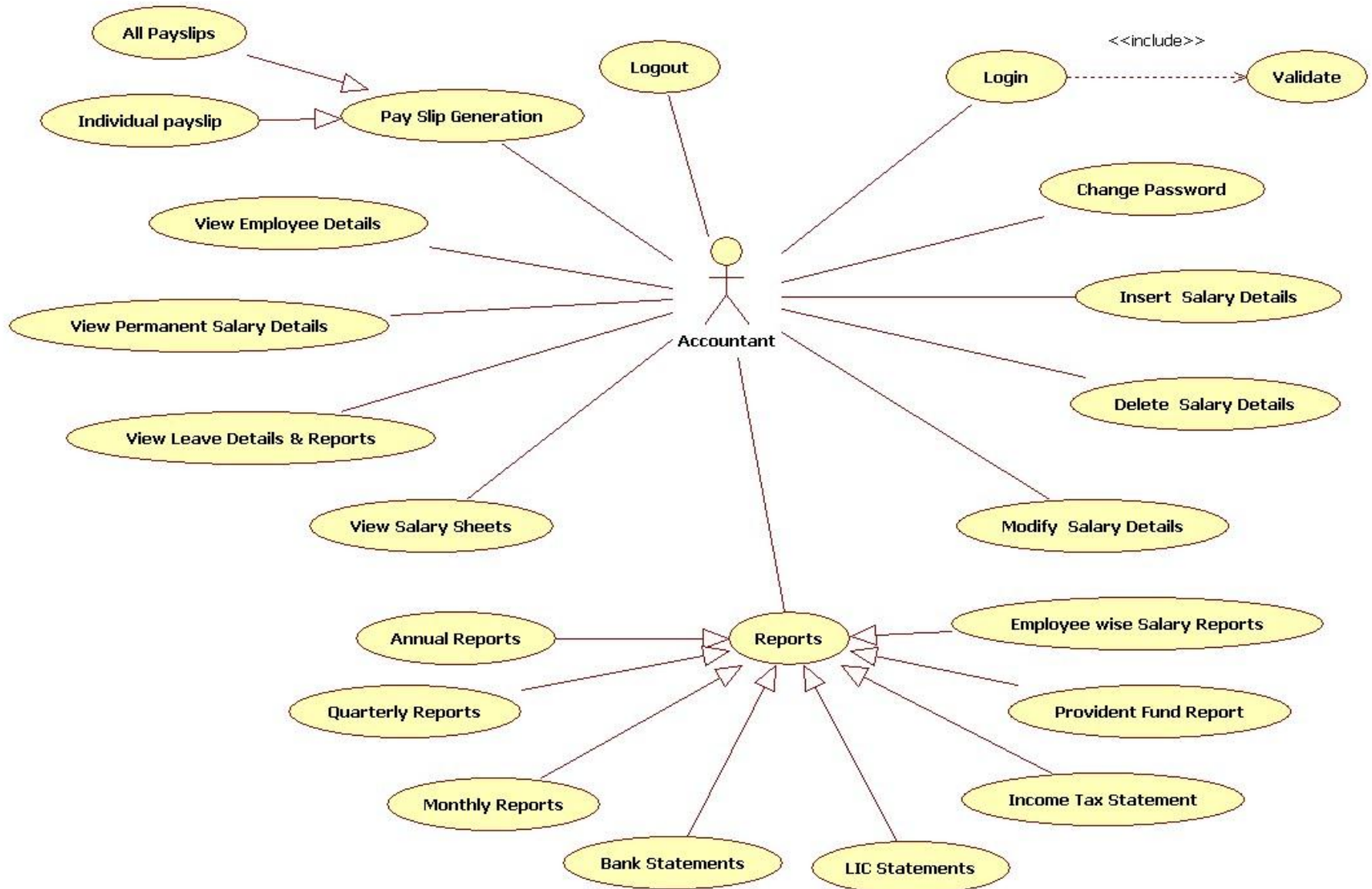# **Administrator** - use case

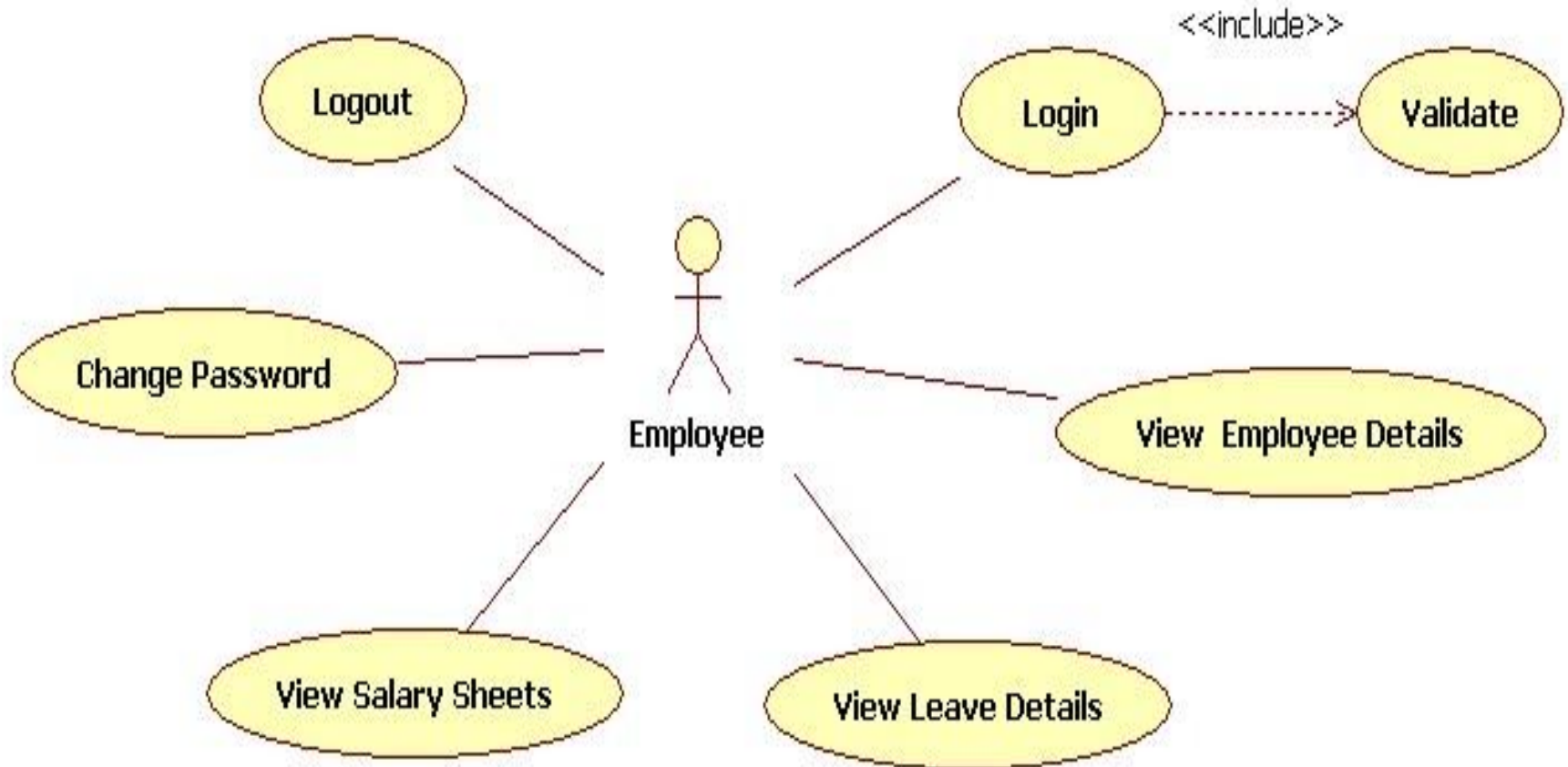# Establishment – use case
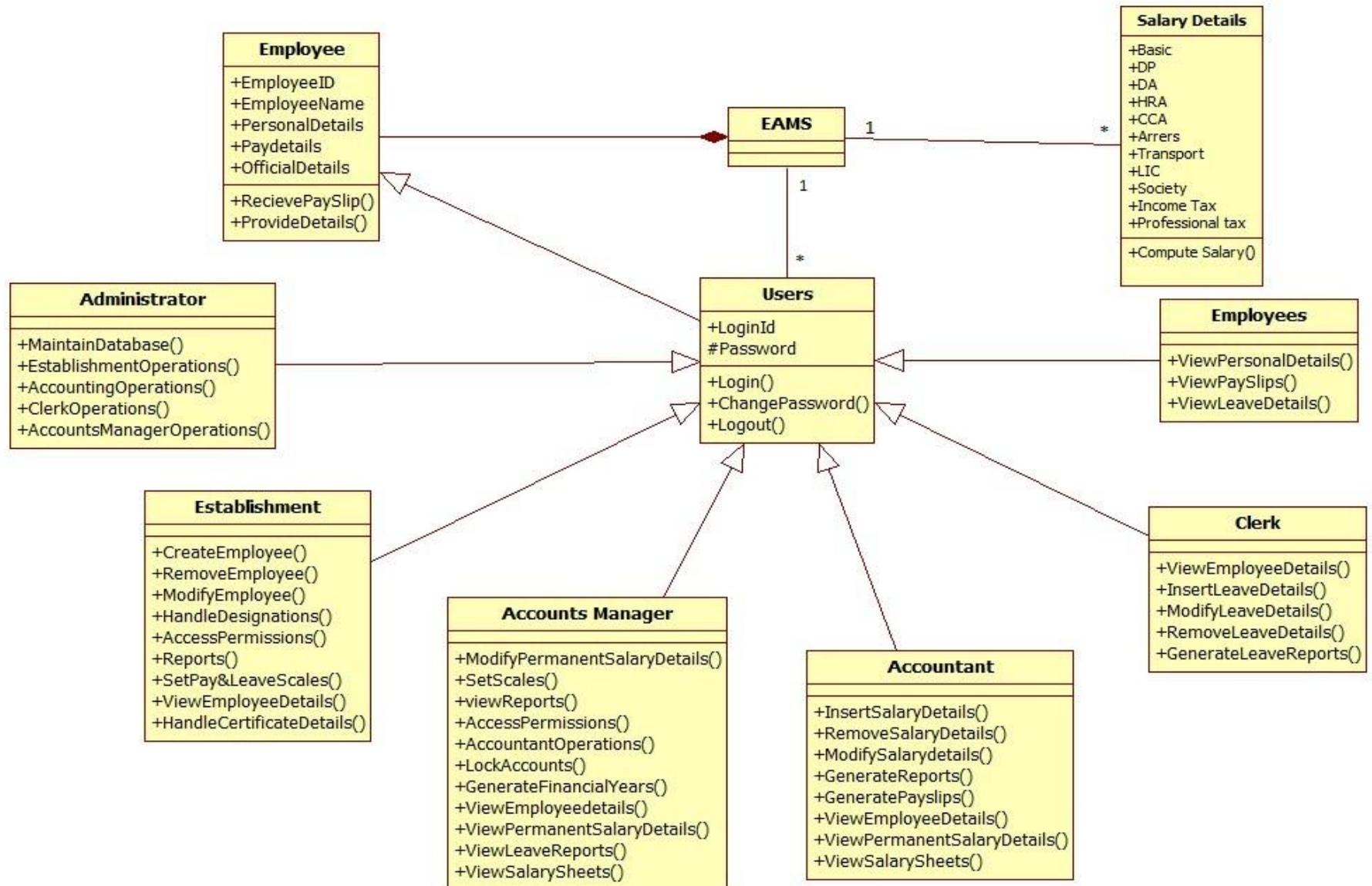
Accounts Manager – use case

Accountant – use case

Clerk – use case

<<include>>

Logout

Login ----→ Validate

Insert Leave Details

Change Password

Modify Leave Details

Clerk

View Employee Details

Remove Leave Details

Generate Leave Reports

Leave Details

Casual Leaves

Maternity Leaves

Earned Leaves

Medical Leaves

Half paid Leaves

Special Casual Leaves
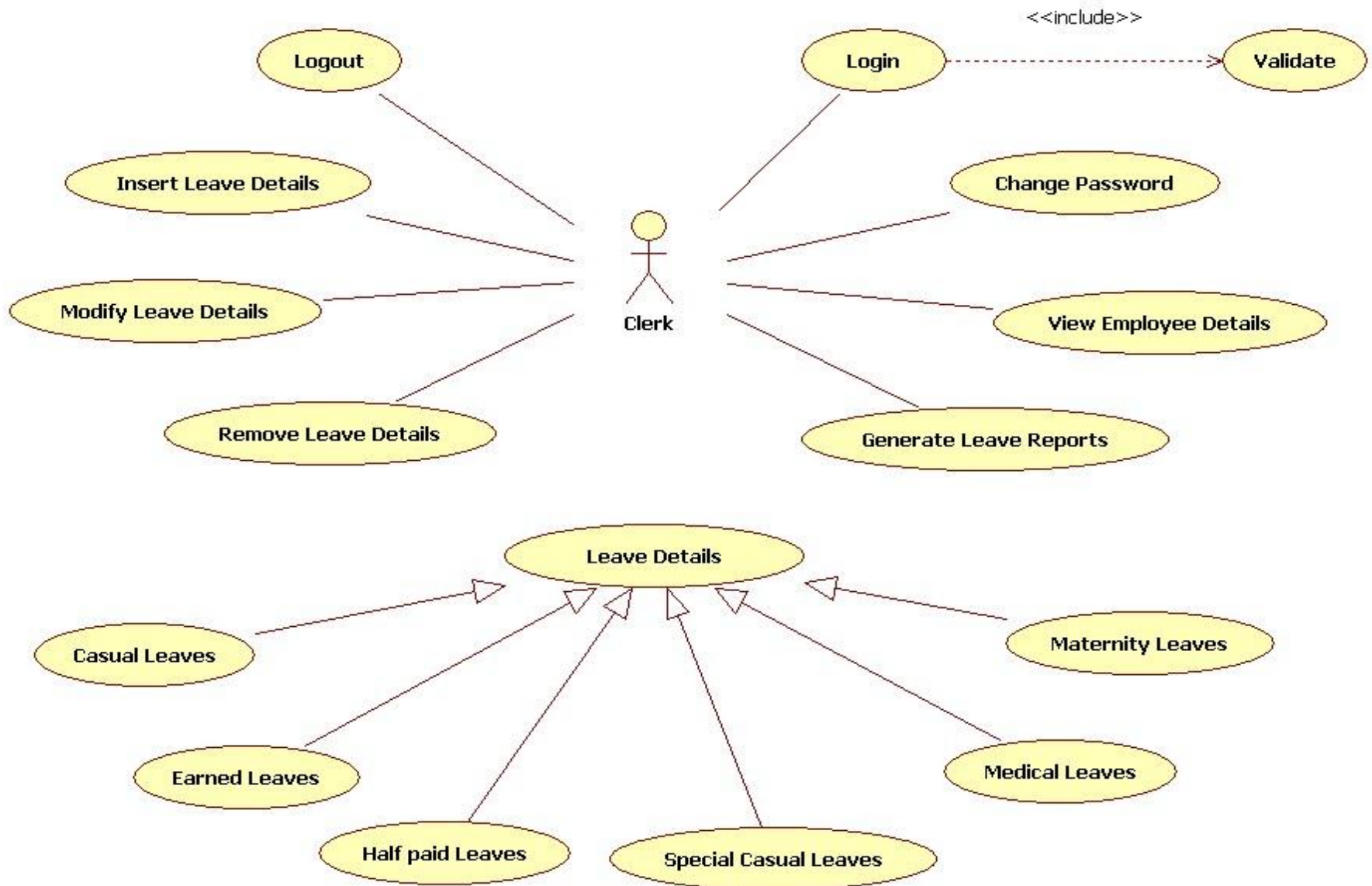
Employee – use case
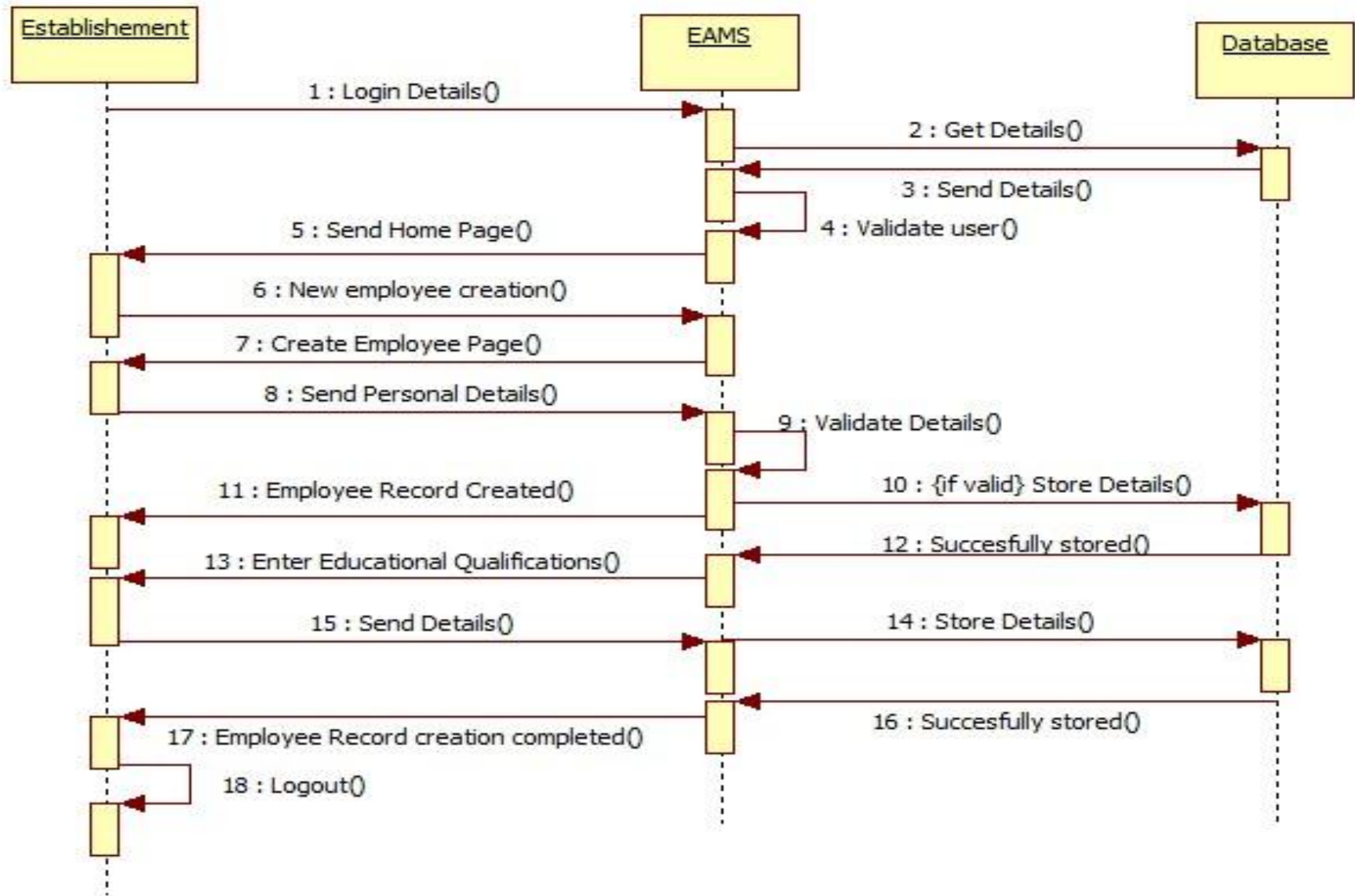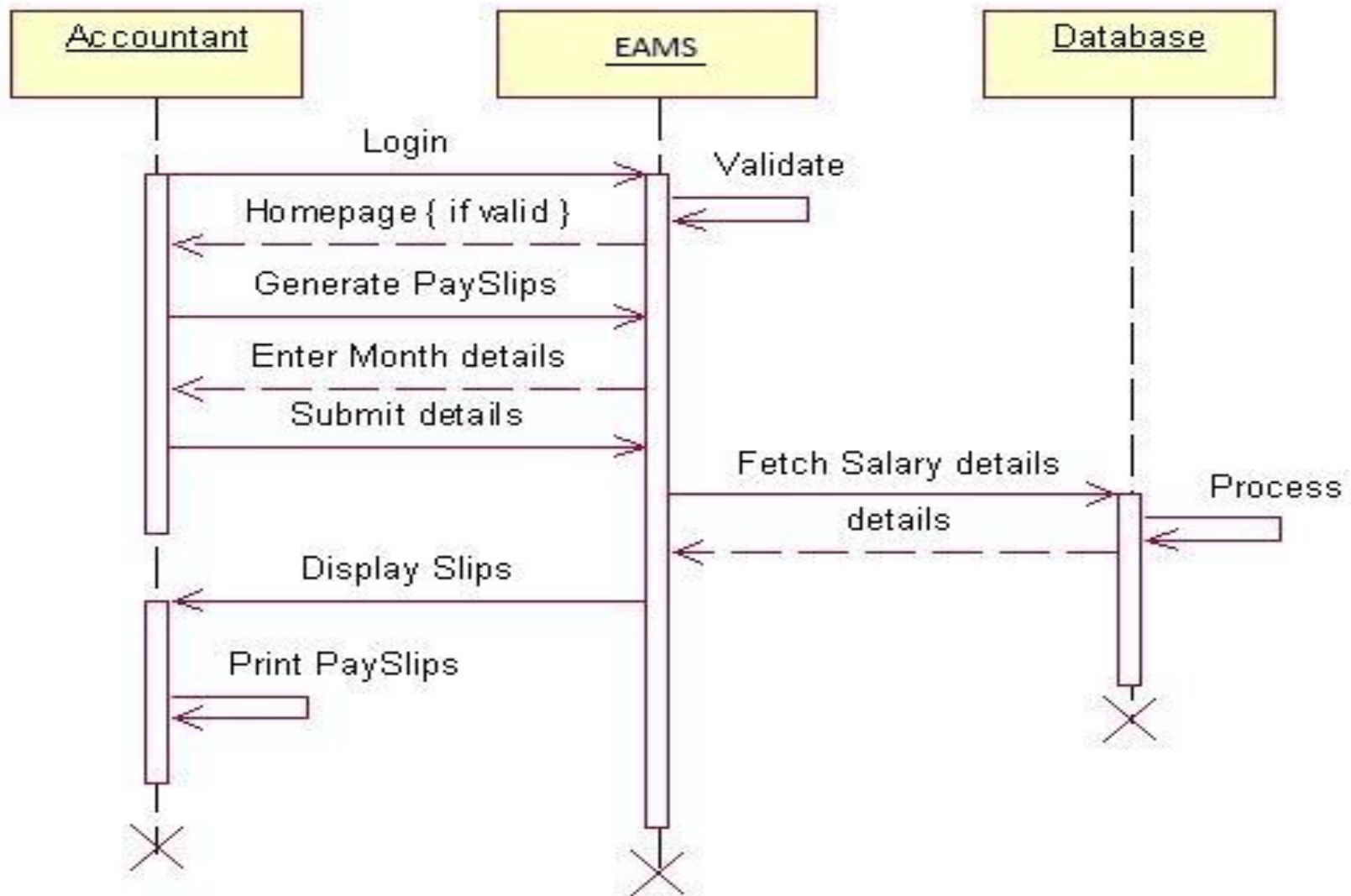
EAMS – Class diagram

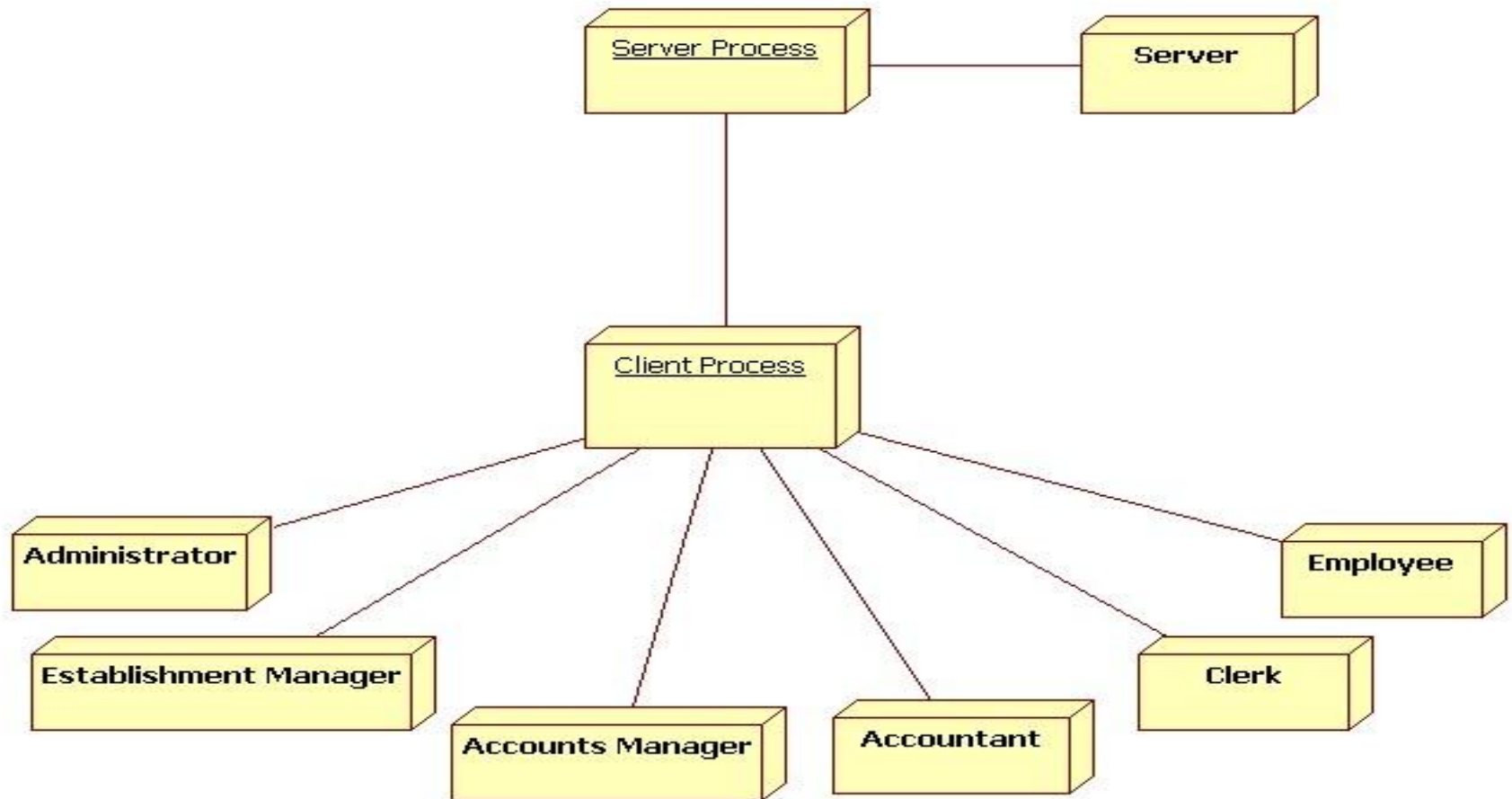# **Operational flow** - sequence
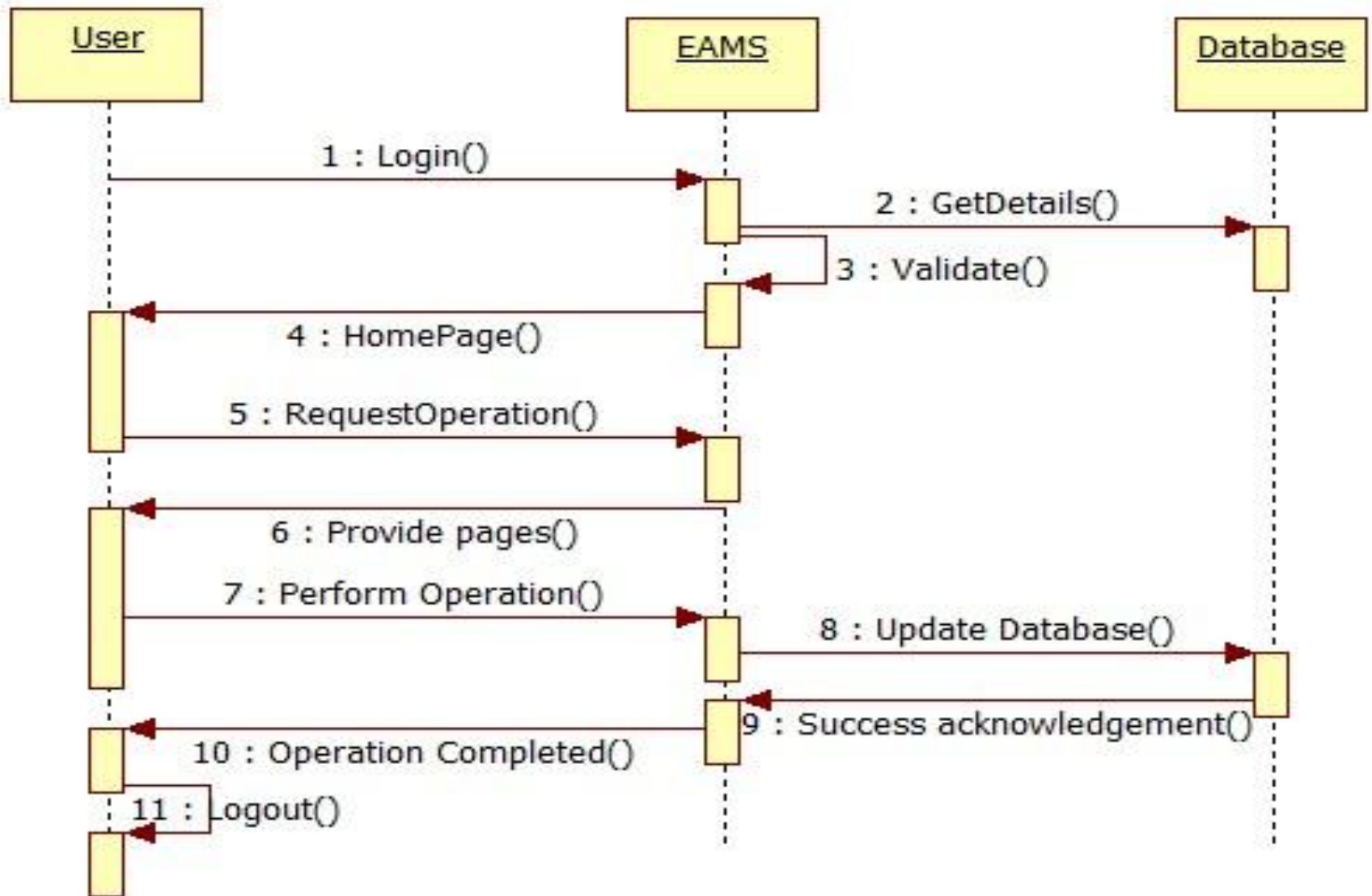
Create Employee - sequence

Generate Pay Slip - sequence

Deployment diagram

Component diagram
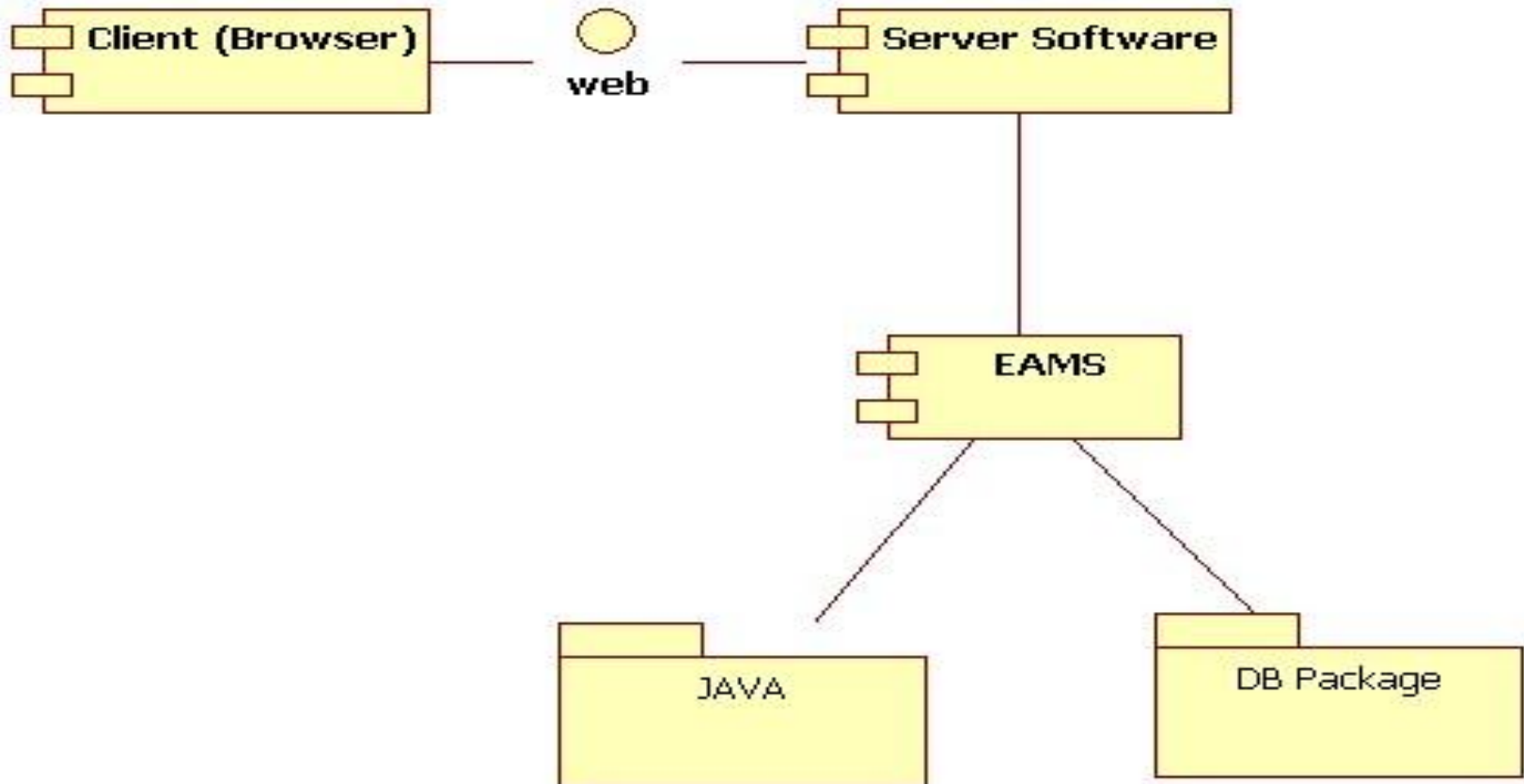
Implementation
&
Screen Shots

Login page

Establishment Homepage

Accounts Manager Homepage

Accountant Homepage

Clerk Homepage

Employee Homepage

Administrator Homepage
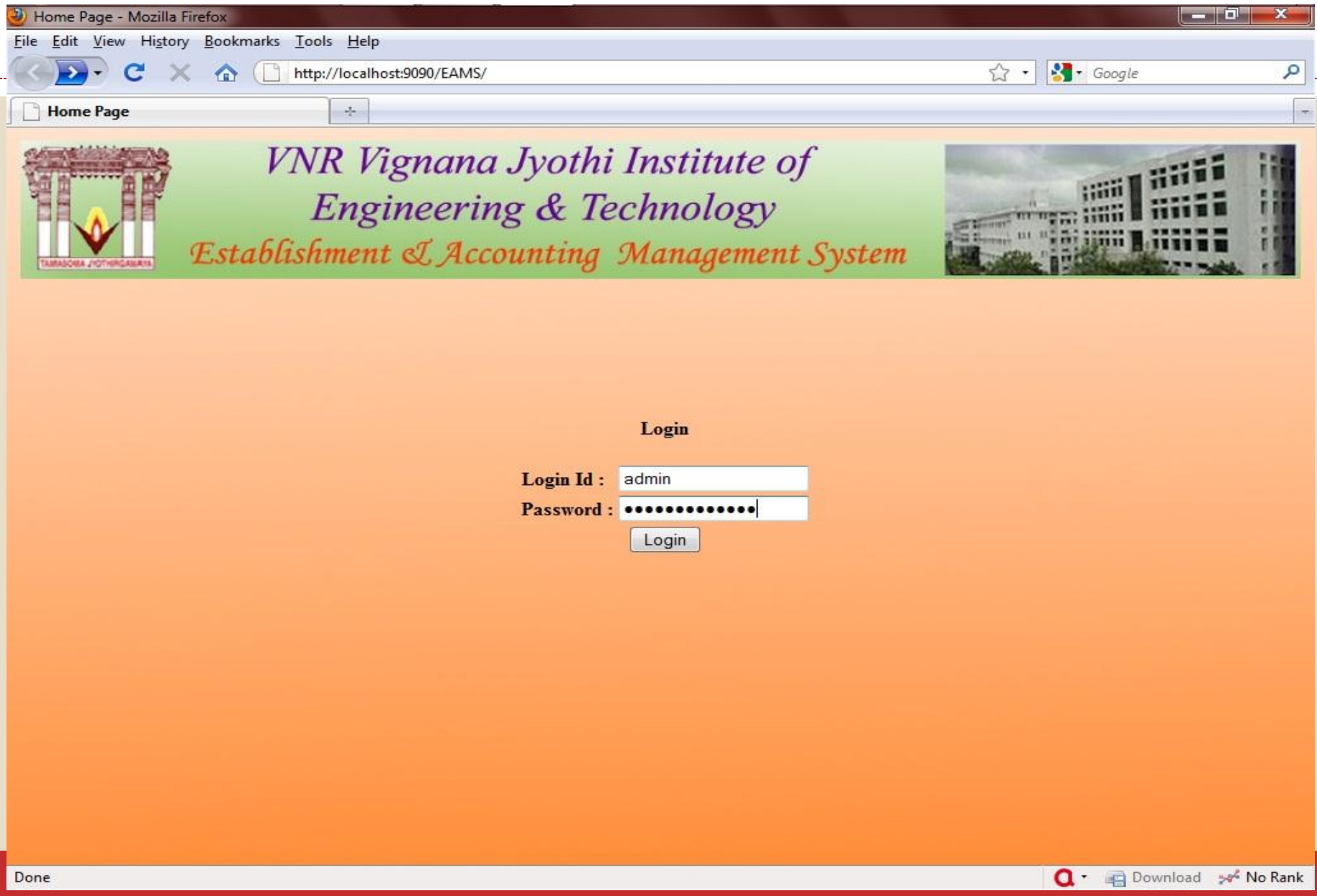
Create Employee Page

Establishment home - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:9090/EAMS/Establishment/Establishment.html

Google

Establishment home

VNR Vignana Jyothi Institute of Engineering & Technology
Establishment Management System

| Employees | Options | Employee Access | Reports | User Options |

Please enter Employee details

Official Details

Employee ID : 06CS0252	**Post :** Teaching
Department : CSE	**Designation :** Associate Professor
Date of Join (dd-mon-yyyy): 12 - Sep - 2006	

Personal Details

Employee Name : Srikanth	**Sex :** Male
Father's Name : S.P.Acharyulu	**Mother's Name :** S.VijayaLakshmi
Date of Birth (dd-mon-yyyy): 16 - Oct - 1988	**Blood Group :** O+
Caste : OC	**Religion :** Hindu
Correspondence Address : Hno.2-4-497, New nagolecolony, Hyderabad.	**Permanent Address :** Hno.2-4-497, New nagolecolony, Hyderabad.
Phone No. :	**Cell No. :** 9491634979

Done

Download   No Rank

Financial Reports

Pay Slip

File Edit View History Bookmarks Tools Help

http://localhost:9090/EAMS/Accountant/Accountant.html

Accountant Home   Accountant Home

Generate Pay Slip - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:9090/Accounts/JSP/igeneratepayslip.jsp

http://localhost:9090/Accounts/JSP/igeneratepayslip.jsp

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING and TECHNOLOGY
Bachupally (Via) Kukatpally, Hyderabad. - 500072.
Pay Slip for the month of Apr,2009-2010.

EMPLOYEE ID :	1 **NAME :**	siddharth **DESIGNATION :**	Professor
C.L.'S :	N.A. **E.L.'S :**	N.A.	

BASIC PAY :	10000 **IT :**	1000 **VEH LOAN :**	0
DP :	5000 **PF :**	1000 **AB LOAN :**	0
MB :	15000 **PTAX :**	200 **TRPT :**	0
DA :	8100 **LIC :**	100 **LOP :**	0
HRA :	4500 **GIS :**	100 **OTHERS :**	0
CCA :	240 **SOCIETY :**	0	
SPL ALLOW :	10000		
ARREARS :	0		
GROSS PAY :	37840 **TOTAL DED :**	2400 **NET SALARY :**	35440

PRINT

Done

Monthly Report

File Edit View History Bookmarks Tools Help

http://localhost:9090/EAMS/Accountant/Accountant.html — Google

Accountant Home ✕ | **Accountant Home** ✕ ✛

VNR Vignana Jyothi Institute of Engineering & Technology
Accounting Management System

| Employees | Reports | Accounts | Pay Slips | User Options |

Monthly Report - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:9090/Accounts/JSP/monthlyreport.jsp

Salary Statement for the month of Apr,2009-2010

DP	MERGEBASIC	DA	HRA	CCA	SPLAL	ARRS	GRSSAL	ITAX	PF	PTAX	LIC	GIS	LOP	TRPT	VEHCL
5000	15000	8100	4500	240	10000	0	37840	1000	1000	200	100	100	0	0	0
4000	12000	6480	3600	240	0	0	22320	0	780	200	0	0	0	600	0
5000	15000	8100	4500	240	100	0	27940	1000	100	200	100	0	0	0	0
10000	30000	16200	9000	240	0	0	55440	0	0	200	0	0	0	0	0

Print

Done

Done

Change Password page

VNR Vignana Jyothi Institute of Engineering & Technology
Establishment & Accounting Management System

Employees	Leave Details	Salary Sheets	User Options

Change Password

Enter User ID :   06071A0544

Enter Old Password :   ••••••••

Enter New Password :   ••••••

Update

TEST CASES

Change Password- Test case

Test case	Input Data	Input Given	Expected output	Output obtained
Change Password	User Name Old Password New Password	Valid Valid Valid	Password Changed	Password Changed
Change Password	User Name Old Password New Password	Invalid Valid Valid	User Name doesn't exist	User name doesn't exist
Change Password	User Name Old Password New Password	Valid Invalid Valid	User not authenticated	User not authenticated
Change Password	User Name Old Password New Password	Invalid Invalid Invalid	Password change Denied	Password change denied

Change password validation

Create Employee - Test cases

Fields	Case 1	Case 2	Case 3	Case 4
Employee ID	Valid	Not Specified	Valid	Valid
Name	Valid	Valid	Valid	Valid
Post	Valid	Valid	Valid	Valid
Department	Valid	Valid	Valid	Valid
Date of Joining	Valid	Valid	Invalid Date	Valid
S/B account No.	Valid	Valid	Valid	Valid
PAN No.	Valid	Valid	Valid	Valid
Phone No.	Valid	Valid	Valid	Valid
Basic Salary	Valid	Valid	Valid	Invalid
Expected Output	Employee Created	Employee Id not specified	Invalid Date Value	Salary not in expected range
Actual Output	Employee Created	Employee Id not specified	Invalid Date	Salary not in expected range

Create Employee validation

Other- Test cases

Test case	Input Data	Input Given	Expected output	Output obtained
Salary Values	Income tax, Arrears, Society, Others Days present.	Valid Number	Accept & update	Accepted & Updated
		Invalid Number	Not Accepted	Not Accepted
Date Values for reports	Report type Date period	Valid	Display Report	Display Report
		Invalid	Error, No Report displayed	Error, No Report displayed
Pay Slip	Employee code	Valid	Generate pay slip	Generate pay slip

Present Status

- The Accounting phase of the project is under testing phase.

- Some of the modules in the Establishment phase are under development.

- Some part of integration is to be done.

Future Enhancements

- It can be generalized to all other educational organizations.

- Security can be incorporated using security algorithms.

- Mailing system can be incorporated for a better interaction between employees and administrative staff.

- As the project is SCALABLE we can incorporate many other features like new fields, reports and views.

- Generation of new reports as per the requirement of the users (dynamically).

Conclusion

- The software is developed as per the organization's (VNR VJIET) requirements and therefore it satisfies all their needs.

- It fastens and reduces the work in the administrative department.

- It is easy to use and error free.

- It offers a smooth flow in the functionality and reduces the laborious work for the employees in the organization.

QUERIES ???

THANK YOU