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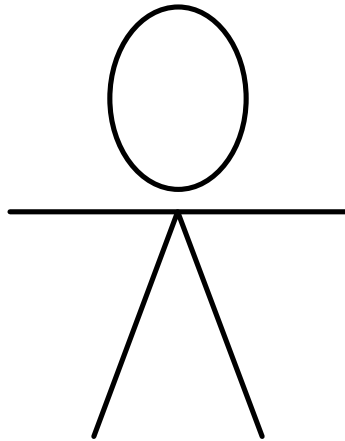
AITP NCC 2002 Java Competition Event

Problem Statement

Enterprise Systems Architecture Laboratory
Auldenfire Sweden AB
Forsbackagatan 24
SE - 123 - 43 Farsta
Stockholm, Sweden

#1

<http://www.auldenfire.com>



AITP
2002 Java Programming
Contest
Usage Centered Design
Human System

Problem Statement Design:

Craig Slinkman, Ph.D.

The University of Texas at Arlington



Human Resource Role Model

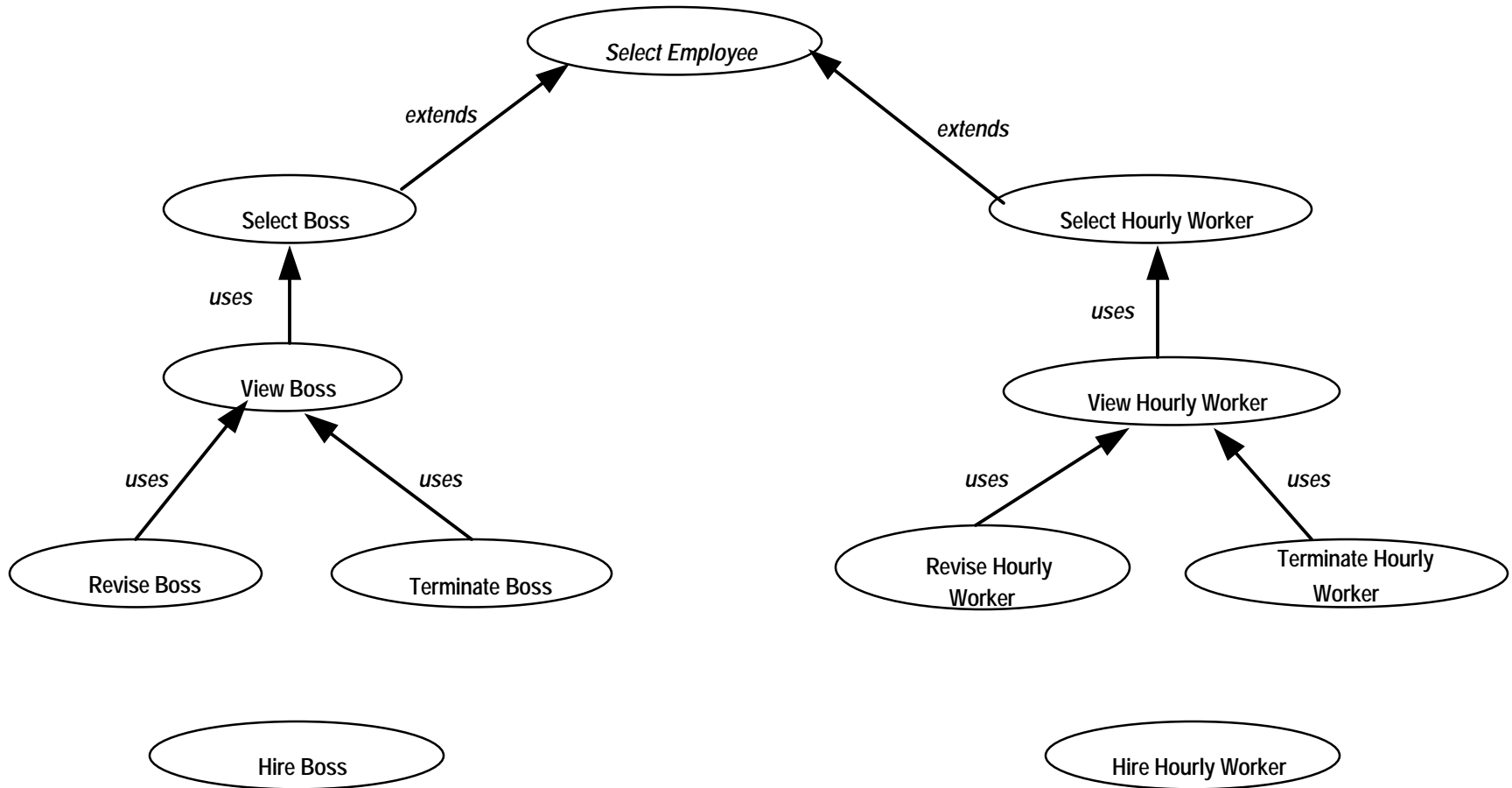
Payroll Clerk

enters data about new employees, updates data about employees and removes employee from the payroll system when they leave the company.

Human Resource Manager

views the current values selected employee records and needs to access the earnings of each employee.

Human Resource Use Case Map



— T — **Use Case Narrative:
Select Employee**

Is used to select an employee to view. User does not need to know Employee type.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User selects desired employee.

1. Provides a list of all employees.
3. System determines employee id and determines employee type.
4. If employee is Boss then Do **View Boss**; else Do **View Hourly Worker**.

Use Case Narrative:
Select Boss

Is used to select an Boss to view.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User selects desired boss.

1. Provides a list of all bosses.
3. System determines employee id of the boss.
4. Do **View Boss**.



Use Case Narrative: Select Hourly Worker

Is used to select an Hourly Worker to view.

USER INTENTION

2. User selects desired hourly worker.

SYSTEM RESPONSIBILITY

1. Provides a list of all hourly workers.
3. System determines employee id of the hourly worker..
4. Do **View Hourly Worker**.



Use Case Narrative: View Boss

Is used to view a record of a Boss.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User may choose to either update or terminate the employee. If the user selects update then Do **Revise Boss**; if the the user selects terminate then Do **Terminate Boss**.

1. System retrieves Boss from database and displays:
 - Employee Id
 - Employee First Name
 - Employee Last Name
 - Boss Weekly Salary
 - Boss Earnings



Use Case Narrative: View Hourly Worker

Is used to view a record of a Hourly Worker.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User may choose to either update or terminate the employee. If the user selects update then Do **Revise Hourly Worker**; if the the user selects terminate then Do **Hourly Worker**.

1. System retrieves Hourly Worker from database and displays:
 - Employee Id
 - Employee First Name
 - Employee Last Name
 - Hourly Worker Wages
 - Hourly Worker Hours
 - Hourly Worker Earnings



Use Case Narrative: Revise Boss

Is used to modify the modifiable attributes of a selected Boss.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User can change only these fields:
 - Employee First Name
 - Employee Last Name
 - Boss Wages

1. System retrieves Boss from database and displays:
 - Employee Id
 - Employee First Name
 - Employee Last Name
 - Boss Weekly Salary
3. System updates record in database.



Use Case Narrative: Revise Hourly Worker

Is used to modify the modifiable attributes of a selected Hourly Worker.

USER INTENTION

SYSTEM RESPONSIBILITY

2. User can change only these fields:
 - Employee First Name
 - Employee Last Name
 - Hourly Worker Wages
 - Hourly Worker Hours

1. System retrieves Hourly Worker from database and displays:
 - Employee Id
 - Employee First Name
 - Employee Last Name
 - Hourly Worker Wages
 - Hourly Worker Hours
3. System updates record in database.



Use Case Narrative: Terminate Boss

Is used to terminate an Boss.

USER INTENTION

3. Use confirms deletion.

SYSTEM RESPONSIBILITY

1. System retrieves Boss from database and displays:
Employee Id
Employee First Name
Employee Last Name
Boss Weekly Salary
2. Asks user to confirm Boss deletion/
4. System deletes Boss record from database.



Use Case Narrative: Terminate Hourly Employee

Is used to terminate an Hourly Worker.

USER INTENTION

3. Use confirms deletion.

SYSTEM RESPONSIBILITY

1. System retrieves Boss from database and displays:
Employee Id
Employee First Name
Employee Last Name
Hourly Worker Wages
Hourly Worker Hours
2. Asks user to confirm Hourly Worker deletion.
4. System deletes Hourly Worker record from database.



Use Case Narrative: Hire Boss

Is used to hire a Boss.

USER INTENTION

2. Enters required data.

SYSTEM RESPONSIBILITY

1. System provides form for entering the following data:
 - Employee First Name
 - Employee Last Name
 - Boss Weekly Salary
3. Determines employee id and adds record to database.



Use Case Narrative: Hire Hourly Worker

Is used to hire a Boss.

USER INTENTION

2. Enters required data.

SYSTEM RESPONSIBILITY

1. System provides form for entering the following data:
 - Employee First Name
 - Employee Last Name
 - Hourly Worker Wage
 - Hourly Worker Hours
3. Determines employee id and adds record to database.



Employee Help

- Employees
- Hourly Worker
- Exit

A sorted selection list of all bosses sorted in alphabetical order by last first name. This list should also include the employee type and the employee id. Double clicking here should bring up The appropriate employee view window.

Boss Management

- Hourly Worker Management

- Exit



Content Model Boss Management

Employee Help

Employee
Hourly Worker
Exit

A sorted selection list of all bosses sorted in alphabetical order by last first name. This list should also include the employee id. Double clicking here should display the the selected Boss details in detail area.

Detail Area:

Employee Id
Employee First Name
Employee Last Name
Boss Weekly Salary
Boss Earnings

Hire

Revise

Save

Terminate

Exit



Content Model

Hourly Worker Management

Employee Help

Payroll Menu

Boss

Exit

A sorted selection list of all bosses sorted in alphabetical order by last first name. This list should also include the employee id. Double clicking here should display the the selected Boss details in detail area.

Detail Area:

Employee Id
Employee First Name
Employee Last Name
Hourly Worker Wage
Hourly Worker Rate
Hourly Worker Earnings

Hire

Revise

Save

Terminate

Exit



Content Model New Boss

Employee Help

Payroll Menu

Boss

Exit

Detail Area:

Employee Id

Employee First Name

Employee Last Name

Boss Weekly Salary

Save

Exit



Content Model New Hourly Worker

Employee Help

Payroll Menu

Boss

Exit

Detail Area:

Employee Id

Employee First Name

Employee Last Name

Hourly Employee Wages

Hourly Employee Hours

Save

Exit

Human Resource System Navigation Model

