Payroll WEb application

High Level Design Document

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# Goal

a script be implemented to generate and process salaries for employees throughout the college.

. The web application must allow an Accounts clerk to generate any employee pay slip for any given month.

# Description

a

# Way of implementation

Software

Stages of implementation

Internal logic

|  |  |  |  |
| --- | --- | --- | --- |
| Group name | Regular staff | Faculty staff |  |
| fixedSalary | Positive integer | n/a | /\* manual input\*/ |
| hours | 160 for full month or actual | Teaching hours | /\* manual input\*/ |
| staffCode | R or r | F or f | /\* manual input\*/ |
| facultyCode | n/a | M or B | /\* manual input\*/ |
|  |  |  |  |
| grossSalary | If hours=160  grossSalary = fixed  if hours <160  grossSalary=hours\*fixed/160  else  grossSalary=fixed + (hours-160)\* 2\* fixed/160 | If facultyCode= “M”  grossSalary: hours \* 175 + 1500  else  grossSalary: hours \* 100 + 600 | \*/calculation\*/ |
|  |  |  |  |
| CIT | If grossSalary >2500  CIT = 0.25 (grossSalary - 2500)  else  CIT=0 | If grossSalary >2500  CIT = 0.25 (grossSalary - 2500)  else  CIT=0 | \*/calculation\*/ |
| heathFee | If grossSalary >3000  heathFee = 33  else  heathFee=19.2 | If grossSalary >3000  heathFee = 33  else  heathFee=19.2 | \*/calculation\*/ |
| netIncome | grossSalary-CIT-heathFee | grossSalary-CIT-heathFee | \*/calculation\*/ |

Required input interface:

Validation rules

Positive integer 0-100000

Dropbox M or B (for F only)

Dropbox – R or F

Positive integer 1-300

Dropbox

Dropbox

Text field

N1234567 or n1234567

Calculate

Payroll calculation interface

For regular staff

Fixed salary

Faculty staff code

M for Master and B for Bachelor

R for regular and F for faculty

Employee type

Monthly working hours:

Month of report:

Month

Department:

Please enter department name here

Please enter full name here

Employee full name:

N followed 7 digits personal number

Employee number:

# Expected results­­­

Payroll net income report for Inna Manova

Employee number: n01384347

Employee type: Faculty Master

Monthly hours: 198

Gross Salary: $37150

CIT: $8662.5

Health Fee: $33

Total deductions: $8695.5

Net income for December is: **$28454.5**