

HUMAN RESOURCE MANAGEMENT SYSTEM

TABLE DESIGN

User

Table name : User

Description : This table contains user login details

Primary key : user_id

Field name	Data type	size	Description
user_id	int	-	User id (Auto Increment)
email	varchar	254	User's email address
first_name	varchar	60	User's first name
middle_name	varchar	60	User's middle name
last_name	varchar	60	User 's last name
password	varchar	60	User's password for login
is_applicant	tinyint	-	To identify the applicant
is_employee	tinyint	-	To identify the employee

Department

Table name : Department

Description : This table contains different departments

Primary key : department_id

Field name	Data type	size	Description
department_id	int	-	Department id (Auto Increment)
department_name	varchar	60	Name of the department

Applicants

Table name : Applicants

Description : This table contains applicant profile

Primary key : applicant_id

Foreign key : user_id

Field name	Data type	size	Description
applicant_id	int	-	Applicant id (Auto Increment)
gender	varchar	1	Gender of applicant
dob	date	-	Date of birth of applicant
place	varchar	60	Place name of applicant
city	varchar	60	City of applicant
state	varchar	60	State of applicant
pin	varchar	6	Pin number of applicant
phone	varchar	10	Phone number of applicant
last_apply	date	-	Date of last apply
cv	varchar	100	Cv of applicant
user_id	int	-	User id

Applications

Table name : Applications

Description : This table contains details of applied applicants

Primary key : applicant_id

Foreign key : user_id, job_id

Field name	Data type	size	Description
application_id	int	-	Department id (Auto Increment)
applied_date	date	-	Date of apply
selected	tinyint	-	To check if the user is selected for interview
user_id	int	-	User id of applied user
Job_id	int	-	Job id of applied job

Jobs

Table name : Jobs

Description : This table contains different job details

Primary key : job_id

Field name	Data type	size	Description
job_id	int	-	Job id (Auto Increment)
Job_title	varchar	60	Title of job
Job_description	longtext	-	Description of job
Skills	longtext	-	Skills required for the job
location	varchar	60	Place of hiring
posted_on	date	-	Date the job posted
last_date	date	-	Last date to apply for the job
department_id	int	-	To identify the employee

Interviews

Table name : Interviews

Description : This table contains details of scheduled interviews

Primary key : interview_id

Foreign key : department_id, job_id

Field name	Data type	size	Description
interview_id	int	-	Department id (Auto Increment)
interview_date	date	-	Date of interview
start_time	time	-	Starting time of interview
end_time	time	-	Ending time of interview
department_id	int	-	Department id
Job_id	int	-	Job id of applied job

Employee

Table name : Employee

Description : This table contains employee details

Primary key : employee_id

Foreign key : user_id

Field name	Data type	size	Description
employee_id	int	-	Employee id (Auto Increment)
Gender	varchar	1	Gender of the employee
Dob	date	-	Date of birth of the employee
address_line1	varchar	100	Address line1 of employee
Place	varchar	60	Place name of the employee
city	varchar	60	City of the employee
State	varchar	60	State of the employee
Pin	varchar	6	Pin number of the employee
Phone	varchar	10	Phone number of the employee
Photo	varchar	100	Photo of the employee
department_id	int	-	Department id
user_id	int	-	User id

Leave

Table name : Leave

Description : This table contains leave request of employees

Primary key : leave_id

Foreign key : user_id

Field name	Data type	size	Description
leave_id	int	-	Leave id (Auto Increment)
leave_date	date	-	Date of leave
leave_type	varchar	10	Type of leave
Reason	varchar	200	Reason for leave
user_id	int	-	User id

Attendance

Table name : Attendance

Description : This table contains the attendance of employees

Primary key : attendance_id

Foreign key : user_id

Field name	Data type	size	Description
attendance_id	int	-	Attendance id (Auto Increment)
attendance_date	date	-	Date of attendance marking
entry_time	time	-	Employee arrival time
exit_time	time	-	Employee leaving time
user_id	int	-	User id

Overtime

Table name : Overtime

Description : This table contains the night shifts taken by the employee

Primary key : overtime_id

Foreign key : user_id

Field name	Data type	size	Description
overtime_id	int	-	Overtime id (Auto Increment)
overtime_date	date	-	Date of leave
entry_time	time	-	Starting time
exit_time	time	-	Leaving time
user_id	int	-	User id

Notifications

Table name : Notifications

Description : This table contains notifications to the employees

Primary key : notification_id

Field name	Data type	size	Description
notification_id	int	-	Notification id (Auto Increment)
Title	varchar	100	Message title
notification	longtext	-	Message

Salary

Table name : Salary

Description : This table contains salary details of employees

Primary key : salary_id

Foreign key : user_id

Field name	Data type	size	Description
salary_id	int	-	Salary id (Auto Increment)
basic_pay	int	-	Basic pay of the employee
hra	tinyint	-	Check if user is applicable for hra
ta	tinyint	-	Check if user is applicable for ta
pf	tinyint	-	Check if user is applicable for pf
user_id	int	-	User id

Payroll

Table name : Payroll

Description : This table contains the salary of the employee

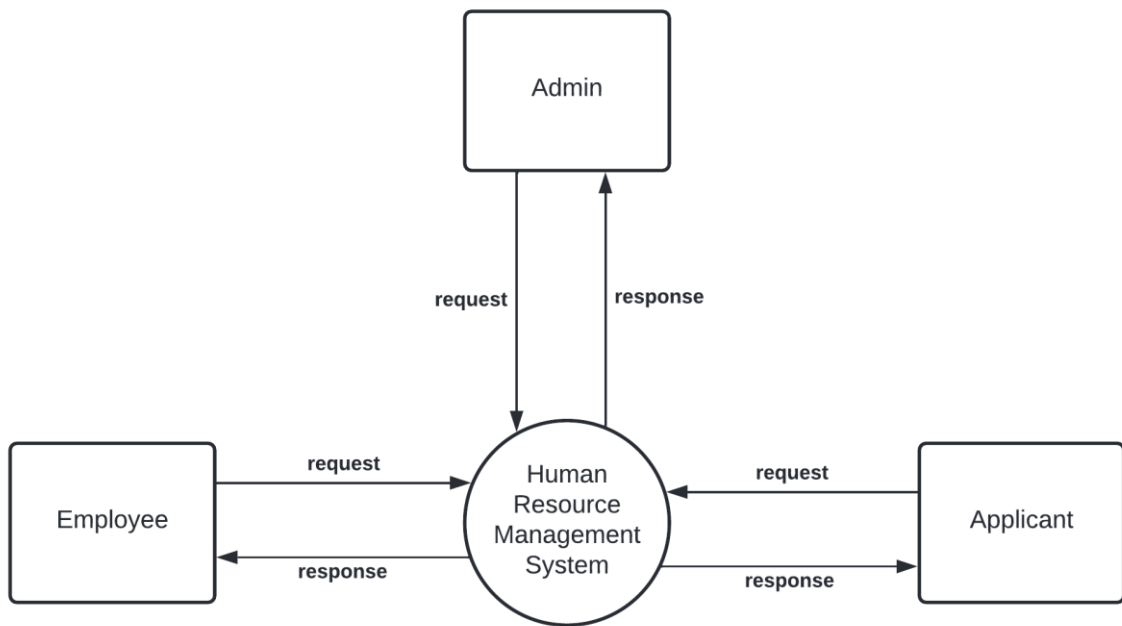
Primary key : payroll_id

Foreign key : user_id

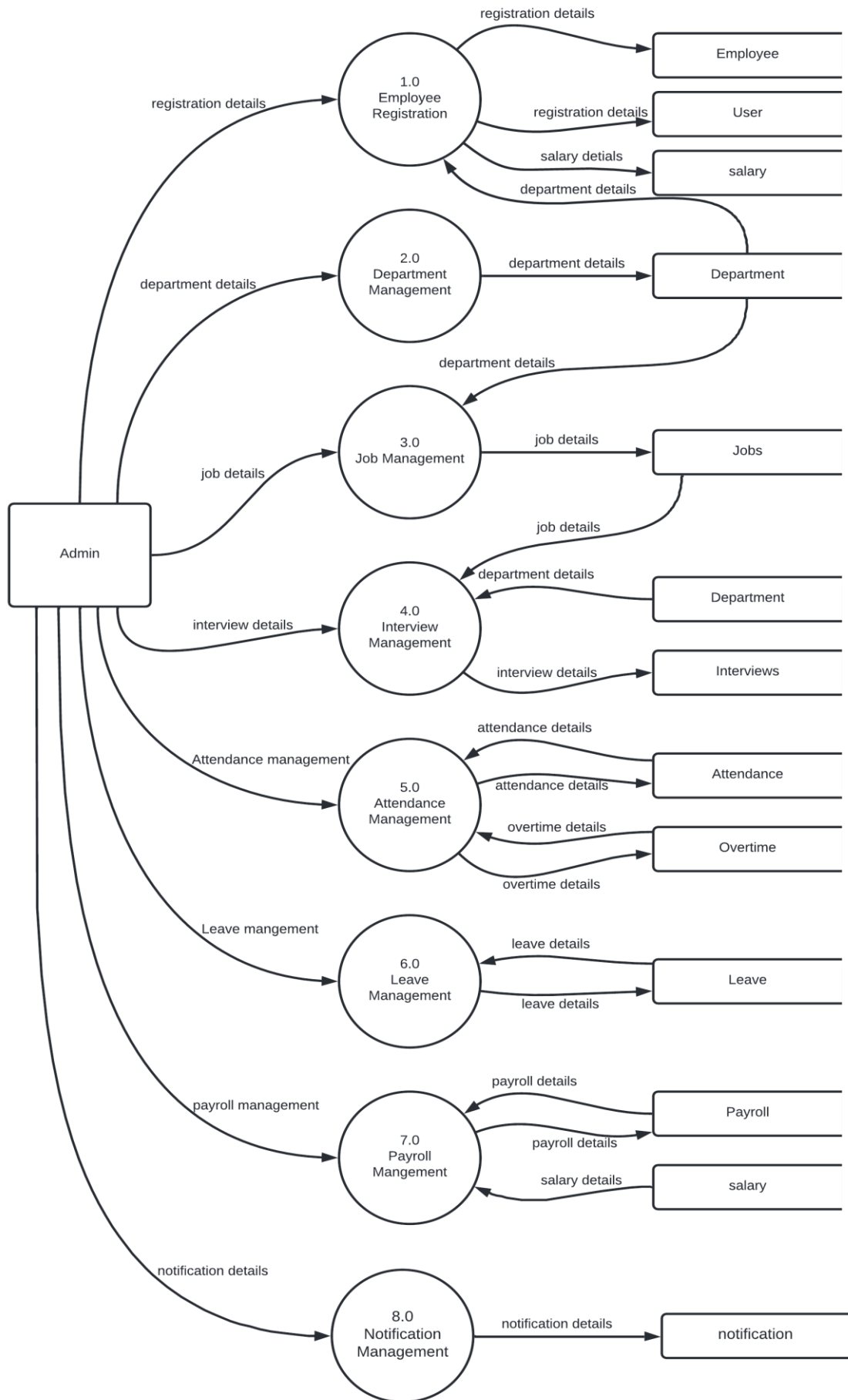
Field name	Data type	size	Description
payroll_id	int	-	Payroll id (Auto Increment)
from_date	date	-	Starting date for payroll calculation
to_date	date	-	The ending date for payroll calculation
hra	int	-	Hra calculated from basic salary
ta	int	-	Ta calculated from basic salary
pf	int	-	Pf calculated from basic salary
user_id	int	-	User id

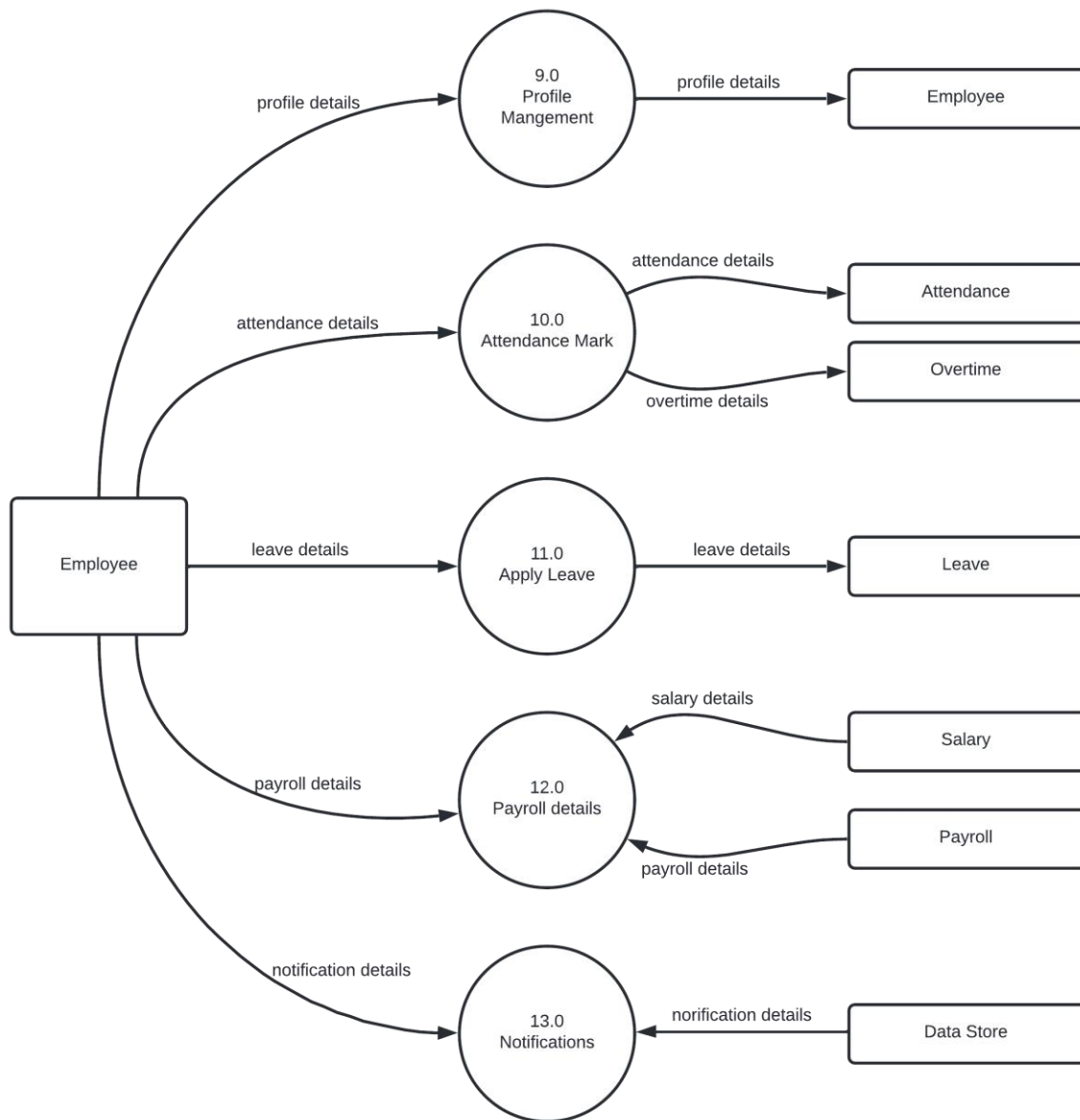
DATA FLOW DIAGRAM

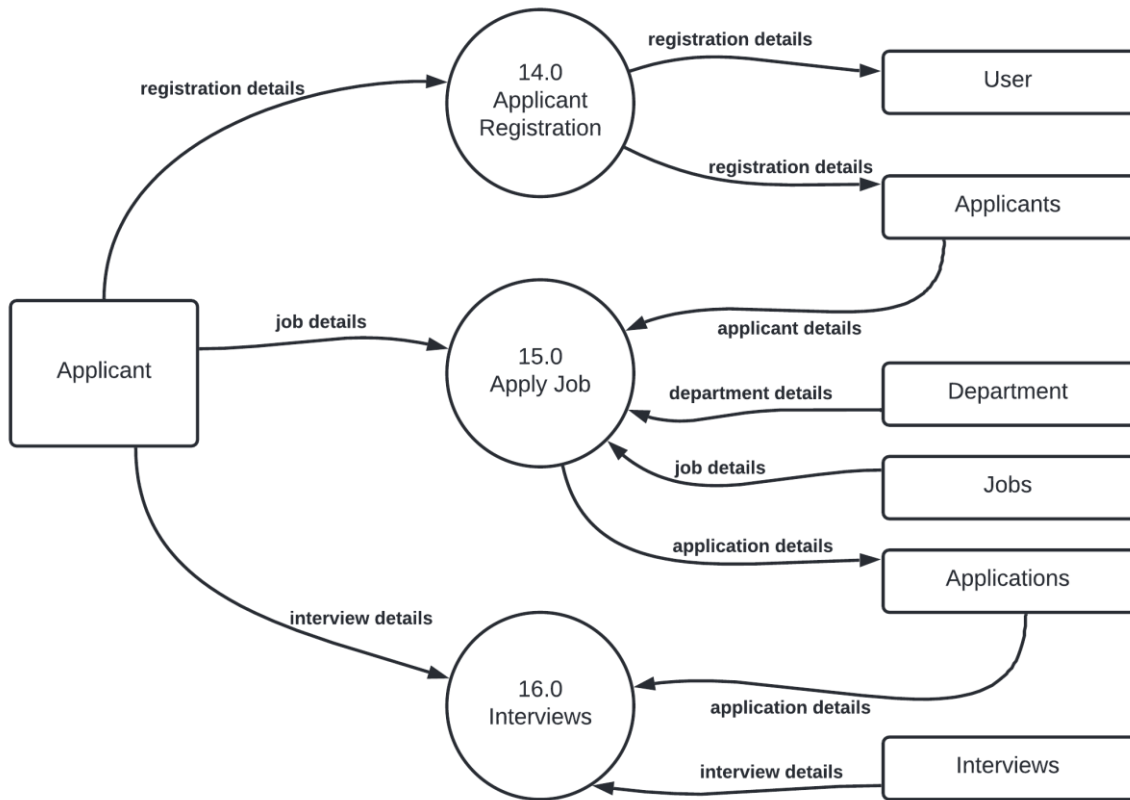
Level 0



Level 1







FORM DESIGN

Registration

First name*

Middle name

Last name*

Email*

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

Register

Login

Email address*

Password*

Login

[Forgot Password](#)

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GET STARTED