



**SDJ INTERNATIONAL
COLLEGE**

Bachelor of Computer Applications (BCA) Program

Project Report

BCA Sem VI
AY 2022-23

Company Management

By

Exam No	Name of Student
3009	Chintan Bhimani A.
3025	Pratiksha Chopda B.
3379	Jasmin Bhandari V.

Project Guide by:
Prof. Jaimini Patel



**SDJ INTERNATIONAL
COLLEGE**

C E R T I F I C A T E

This is to certify that

Ms./Mr. **Chintan Bhimani**, **Pratiksha Chopda** and **Jasmin Bhanderi** examination number **3009, 3025, 3379** has satisfactorily completed his/her project work entitled **Company Management System** as partial fulfillment of requirements for BCA Sem VI, during the academic year 2022-23.

Date: 28/03/2023

Place: Surat

Prof. Jaimini Patel
SDJ International College,
Surat

Acknowledgement

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all along the completion of our project work. Whatever we have done is only due to such guidance and assistance.

We would not forget to thank I/C Principal Dr. Aditi Bhatt, Head of Department Dr. Vaibhav Desai and Project guide Prof. Jaimini Patel and all other Assistant professors of SDJ International College, who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

We are extremely grateful to her for providing such a nice support and guidance though she/he had busy schedule managing the college dealings.

We are thankful and fortunate enough to get support and guidance from all Teaching staffs of Bachelor of Computer Application Department which helped us in successfully completing our project work. Also, we would like to extend our sincere regards to all the non-teaching staff of Bachelor of Computer Application Department for their timely support.

Chintan Bhimani A. – 3009

Pratiksha Chopda B. – 3025

Jasmin Bhandari V. - 3379

INDEX

Sr No	Description	Page No.
1	Introduction	05-06
	1.1 Project Summary	05
	1.2 Project Technical Profile	06
2	Scope & Planning	07-09
	2.1 Requirement Analysis	07
	2.2 Technology Details	09
3	Designing	10-73
	3.1 Data Flow Diagram	10
	3.2 Use Case Diagram	35
	3.3 ER Diagram	39
	3.4 Database Design	40
	3.5 Data Dictionary	41
	3.6 User Interface	48
4	Testing	74-
	4.1 Unit Testing	76
	4.2 Integration Testing	79
	4.3 System Testing	80
5	Conclusion	81
6	Bibliography & Reference	83



1. INTRODUCTION

1.1 Project Summary

The "Company Management System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system.

Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner. The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. Company Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping.

Thus, it will help organization in better utilization of resources. Every organization, whether big or small, has challenges to overcome and managing the information of Leave, Employee, Expense, Leave Type, Project, Clients, Task. Every Company Management System has different Employee needs. therefore, we design exclusive Company Management System that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.



1.2 Project Technical Profile

Project Title:	Dream Studio Architecture Ltd.
Definition:	Architecture, the art and technique of designing and building, as distinguished from the skills associated with construction.
Developed For:	S.D.J. International College, Vesu, Surat
Project Guide:	Prof. Jaimini Patel
Front End:	HTML, CSS, Bootstrap, JavaScript
Scripting Language:	PHP, JavaScript
Back End:	My SQL, PHP
Operating System:	Window, Mac OS
Designing Tools:	Vs code, PHP My Admin, Bootstrap
Tools used for ERD & DFD:	Wondershare EdrawMax, Xmind
Submitted By:	<ol style="list-style-type: none">Chintan Bhimani A.Pratiksha Chopda B.Jasmin Bhandari V.



2. SCOPES & PLANNING

2.1 Requirement Analysis

Requirement analysis for a Company Management System would involve identifying the necessary features and functions that the system should have in order to effectively manage employee data and workflows. Here are some key requirements that could be considered:

Employee Information Management: The system should allow for easy storage, retrieval and modification of employee information such as name, contact details, department, job title, employment history, etc.

Leave Management: The system should allow employees to record their leaves, with a dashboard that displays this information to the management.

Benefits: The system should be able to calculate employee salaries based on attendance and other relevant factors. It should also have features for managing employee benefits such as health insurance, retirement plans, etc.

Performance Management: The system should allow managers to set goals, provide feedback, and conduct performance reviews for employees. It should also track and report on employee progress towards their goals.

Training and Development: The system should facilitate employee training and development by providing access to relevant courses, workshops, and other resources.

Communication: The system should enable communication between employees and managers, as well as among employees themselves. It should allow for messaging, file sharing, and other collaborative features.

Security: The system should have strong security measures to protect sensitive employee data. It should also be able to comply with relevant data protection regulations.



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Reporting and Analytics: The system should have robust reporting and analytics features to provide insights into employee data, such as attendance trends, performance metrics, and other key performance indicators.

Mobile Compatibility: The system should be accessible on mobile devices, allowing employees and managers to access information and perform tasks on the go.

User-Friendly Interface: The system should have a user-friendly interface that is easy to navigate and use, with clear instructions and helpful features to support users.



2.2 Technology Details

- Hardware Requirements:**

Processor : Intel(R) Pentium i3 CPU @ 2.30GHz

Memory : 6 GB

Hard Disk : 256 GB or Higher

- Software Requirements:**

Operating System : Microsoft Windows 10/11

Front End : React.js, HTML

Backend : Node.js, Express.js

Input Device : Keyboard, Mouse

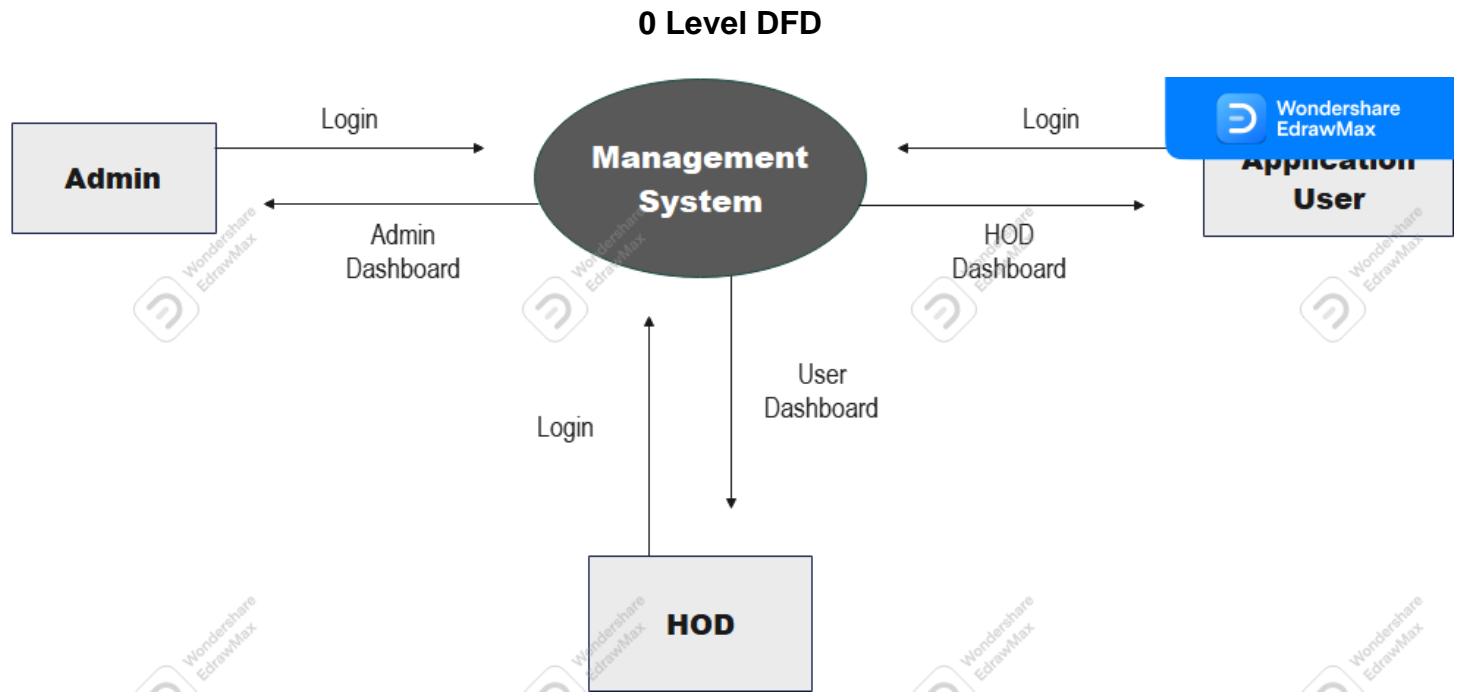
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Browser : All Browser Supported



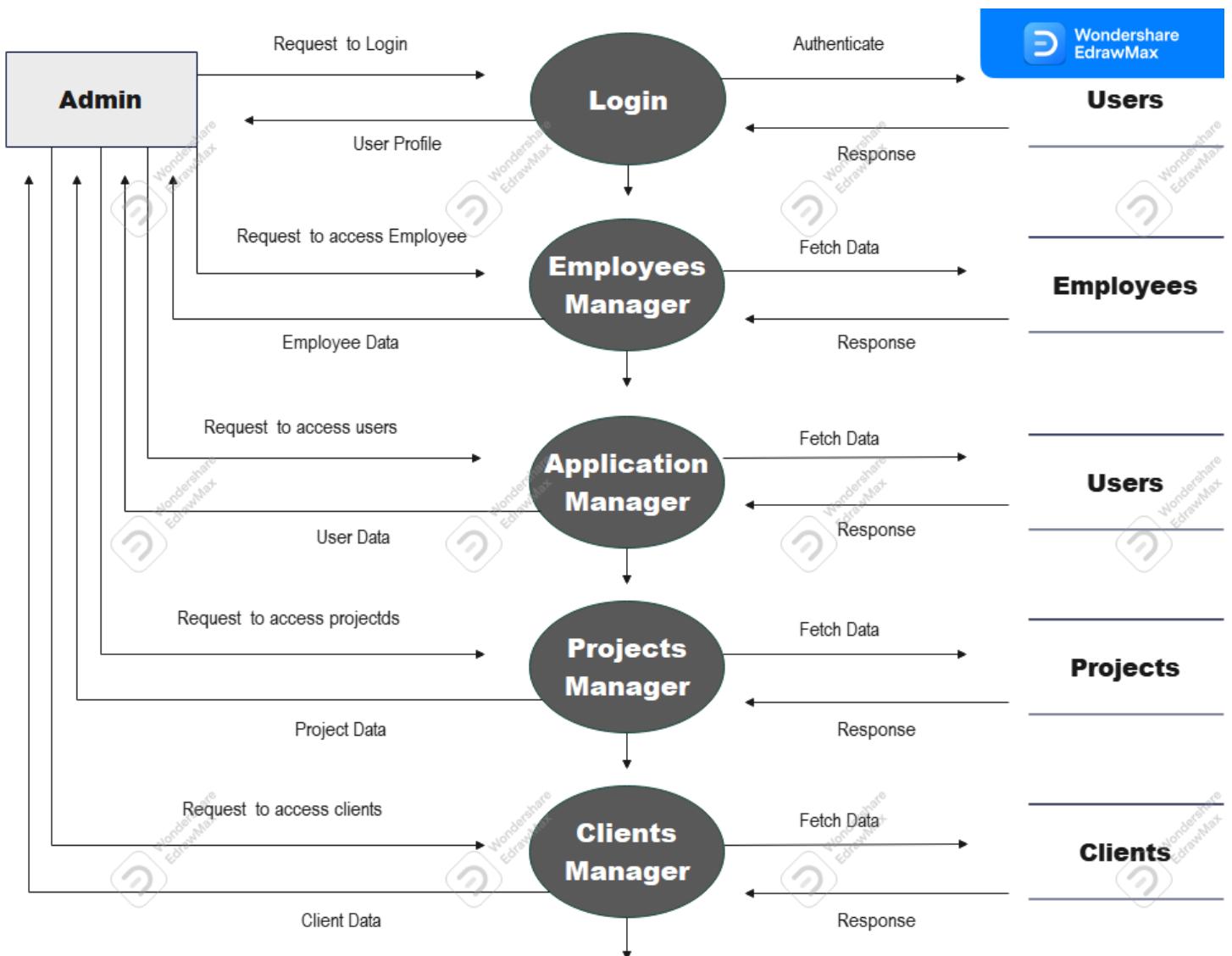
3. DESIGNING

3.1 Data Flow Diagram



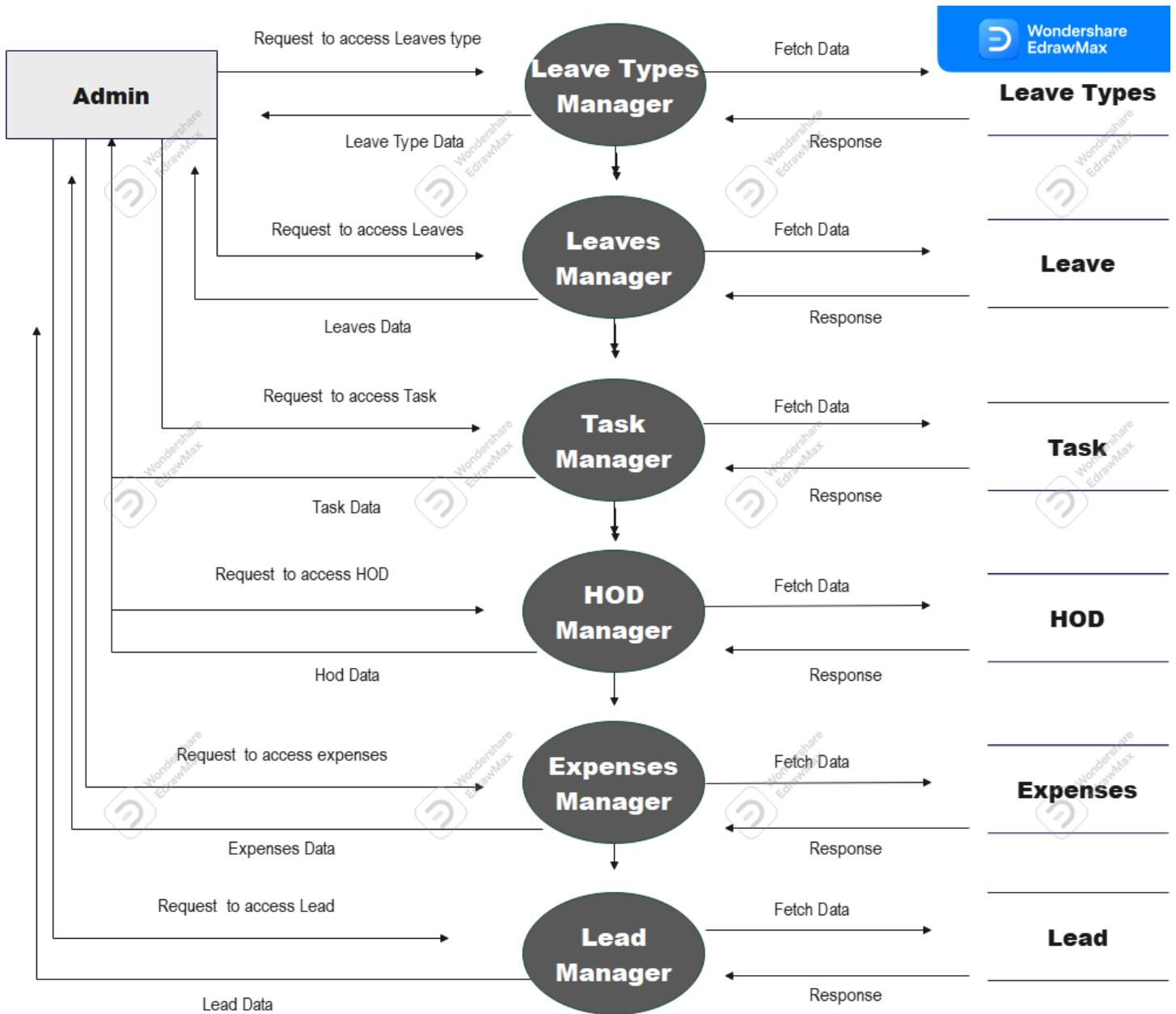


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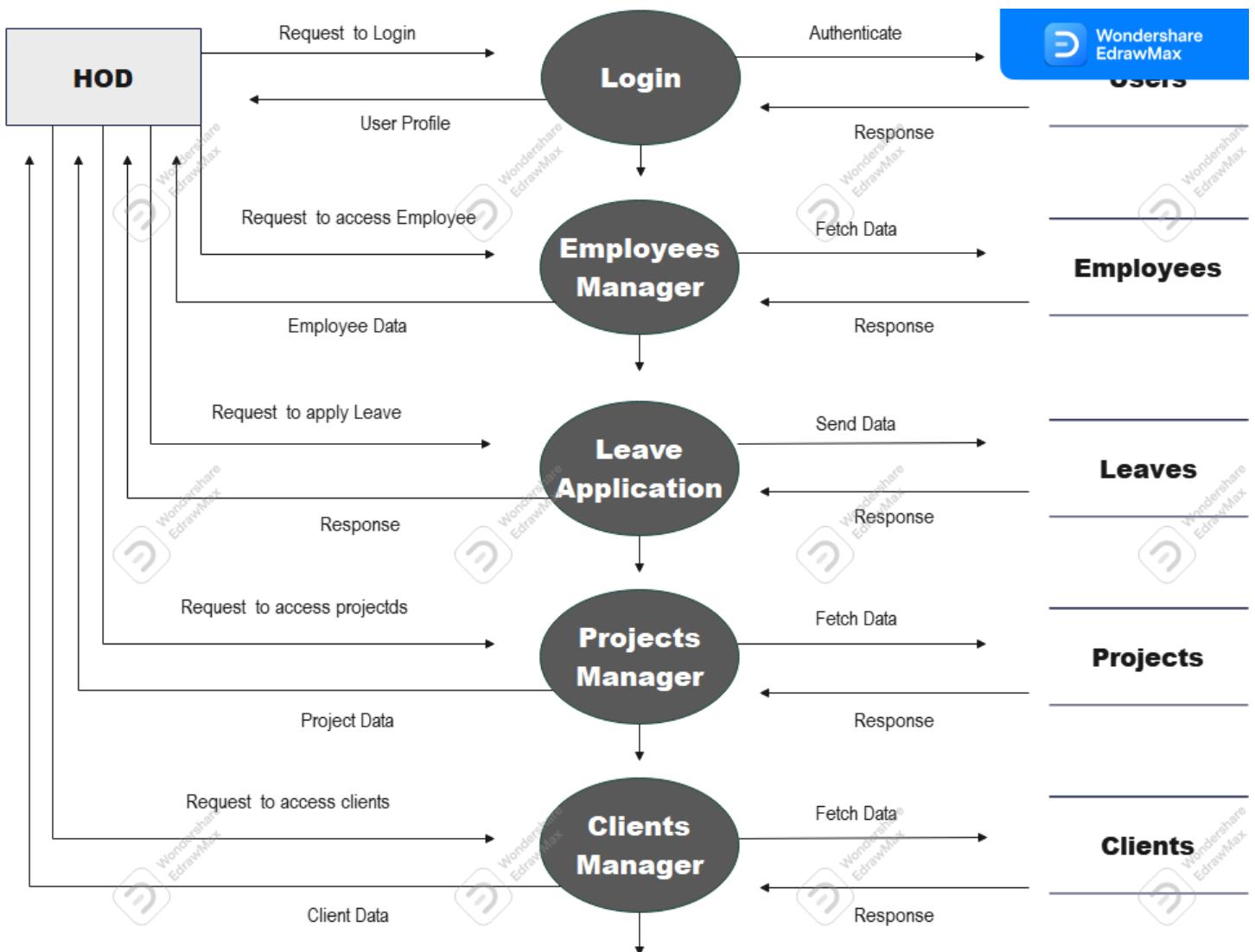


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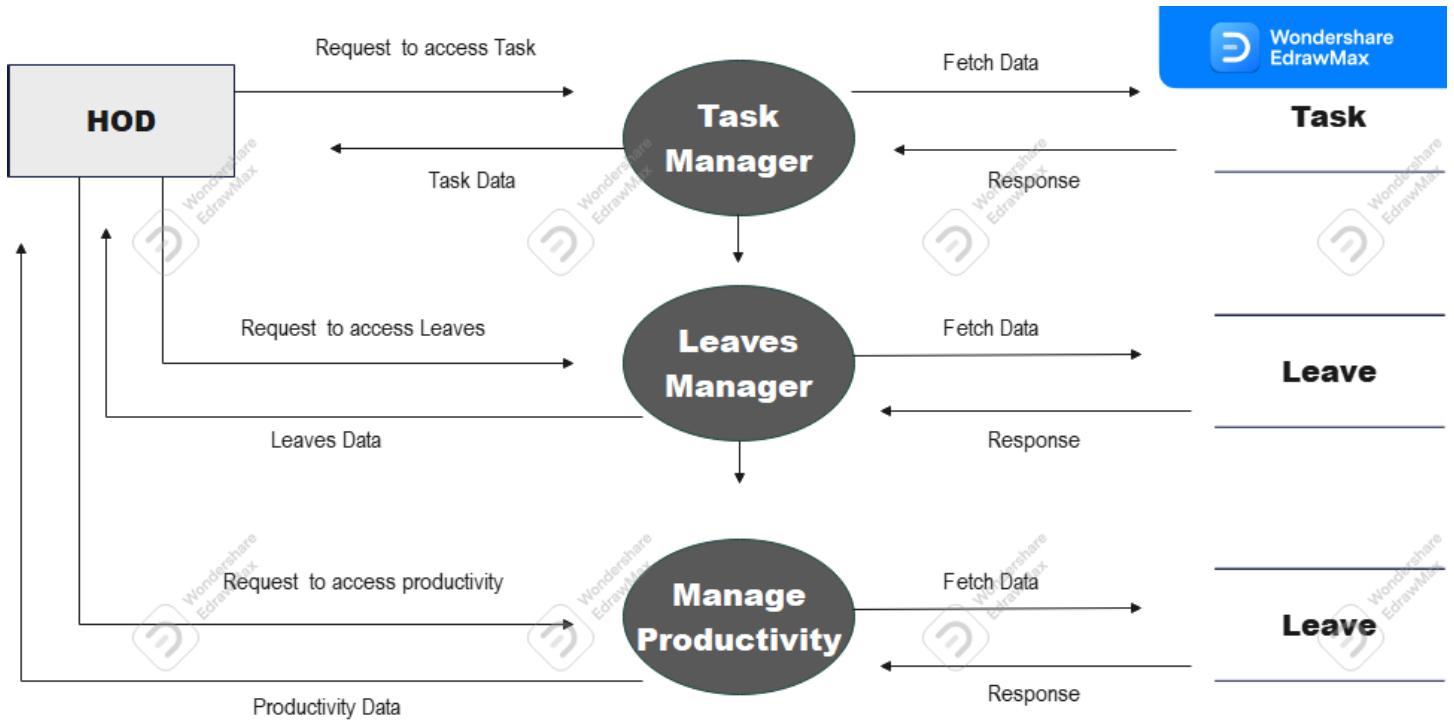


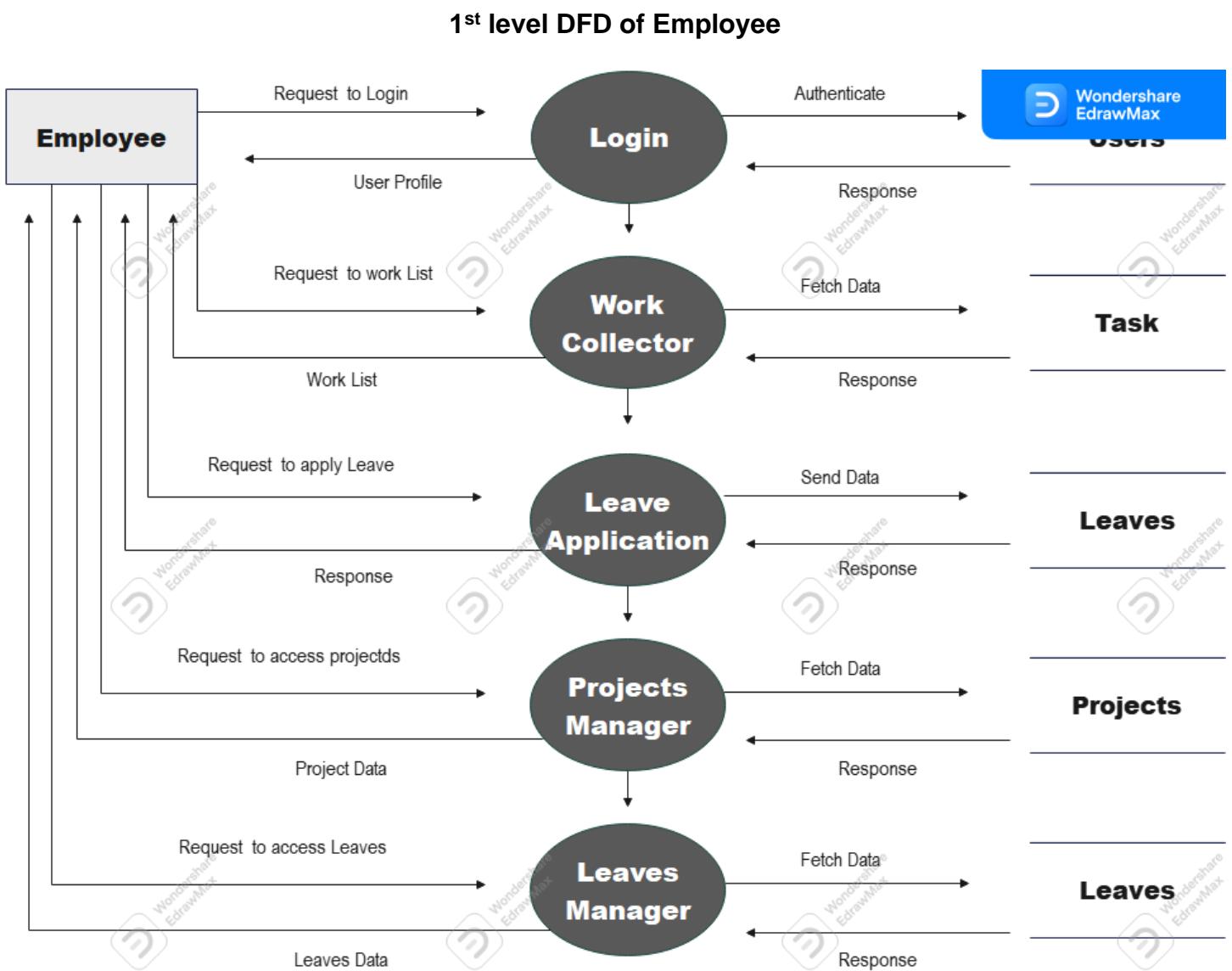
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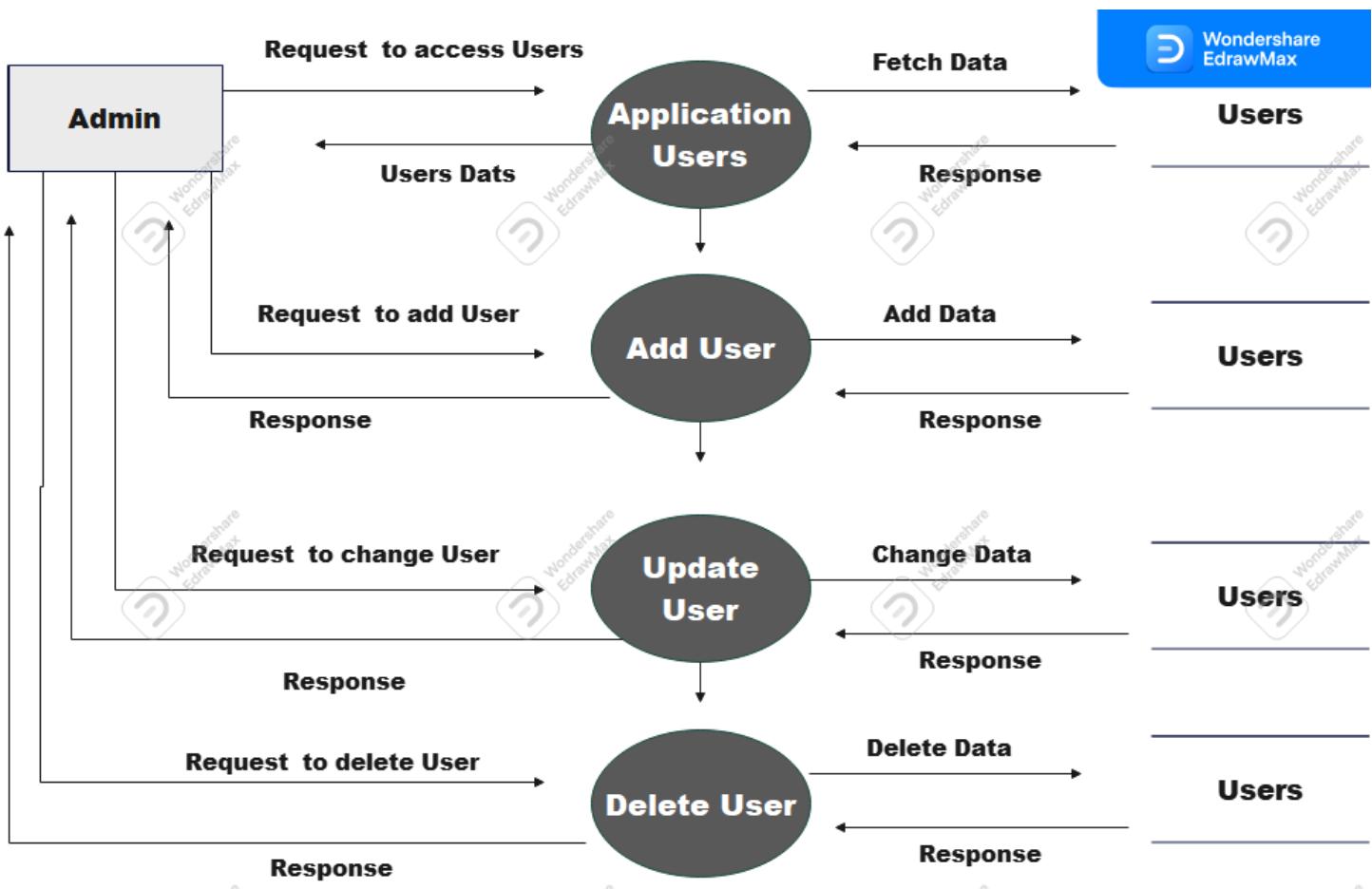
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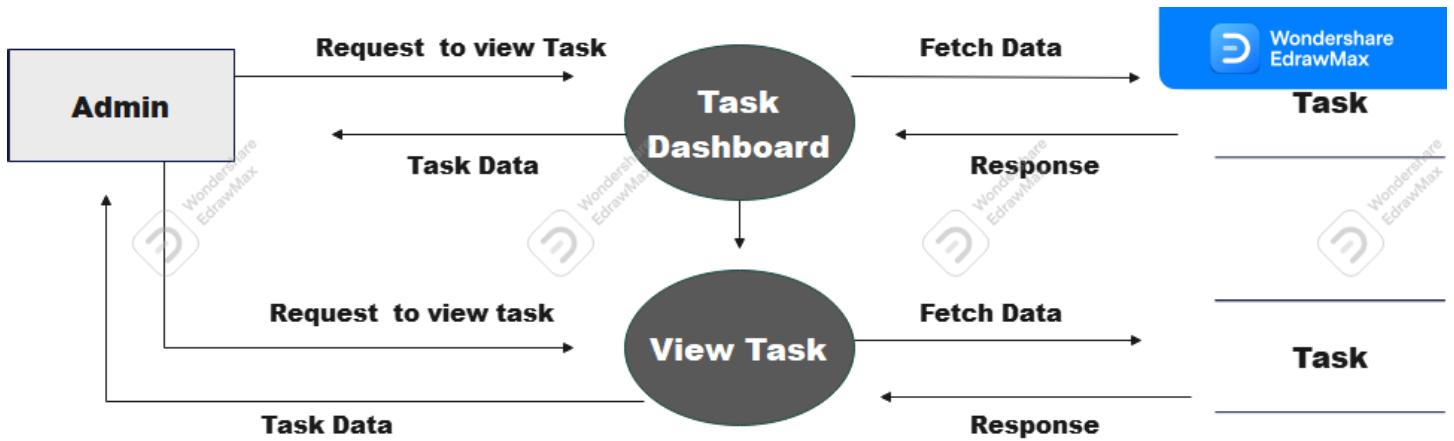


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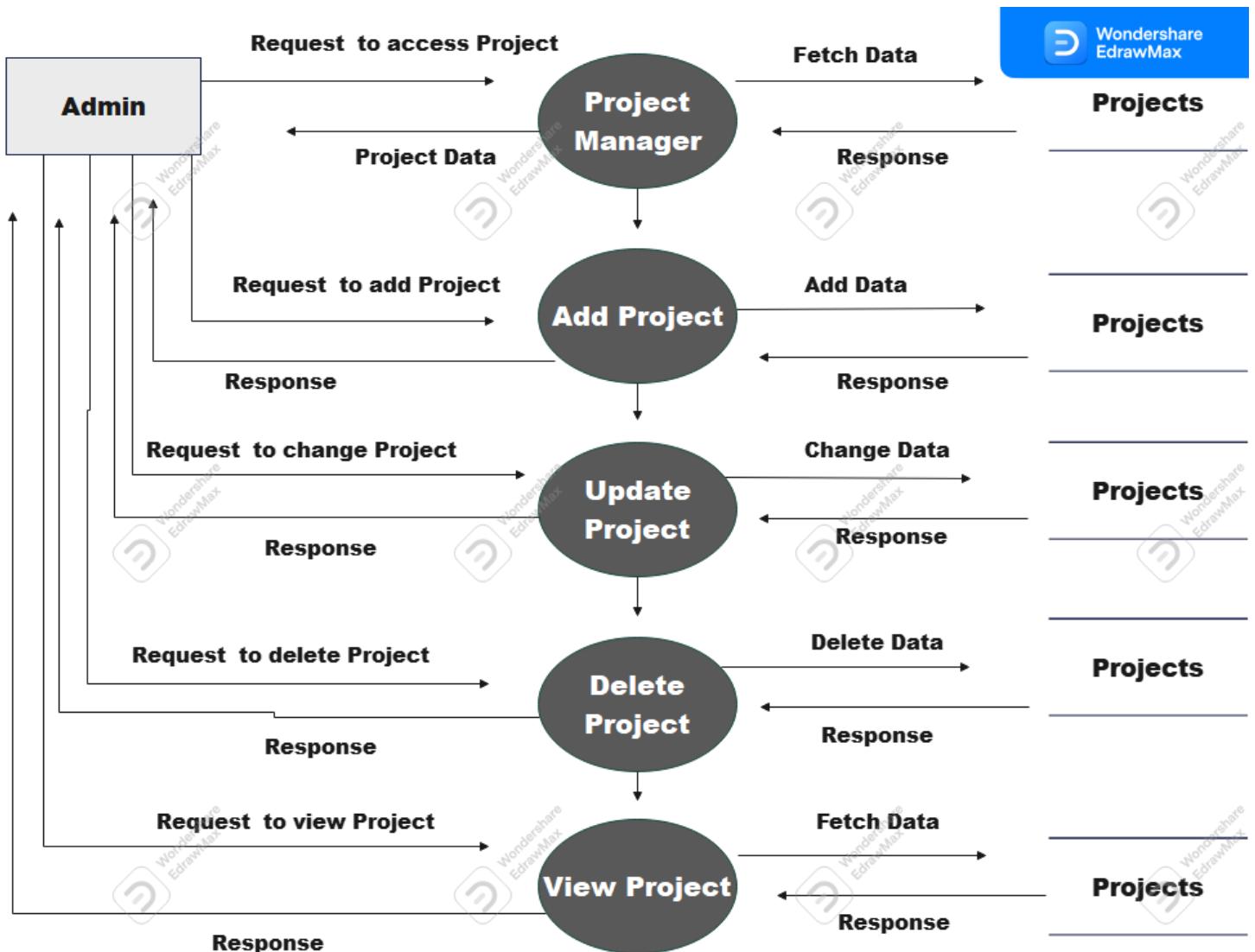


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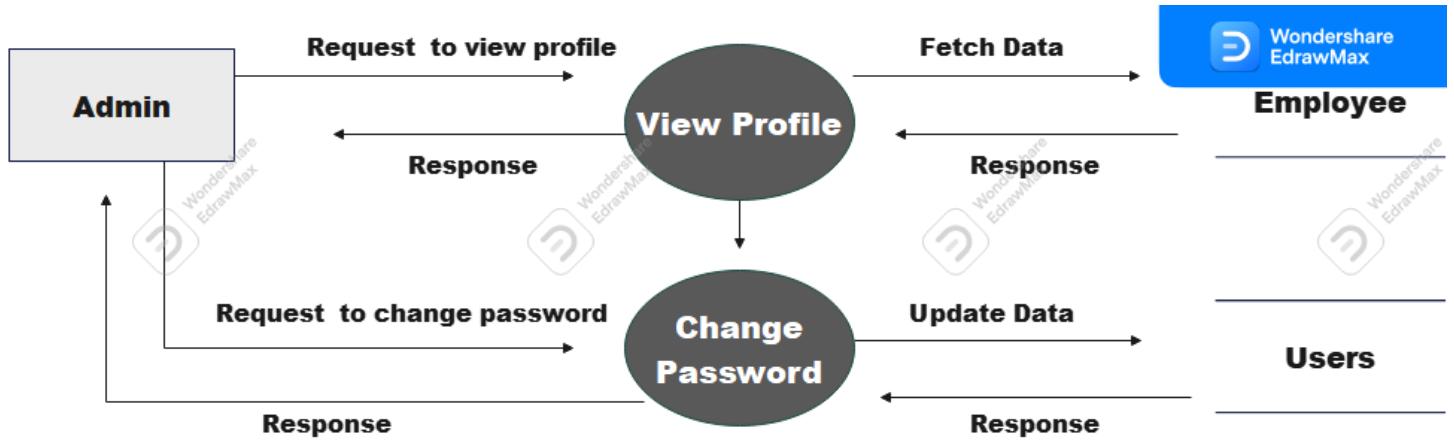


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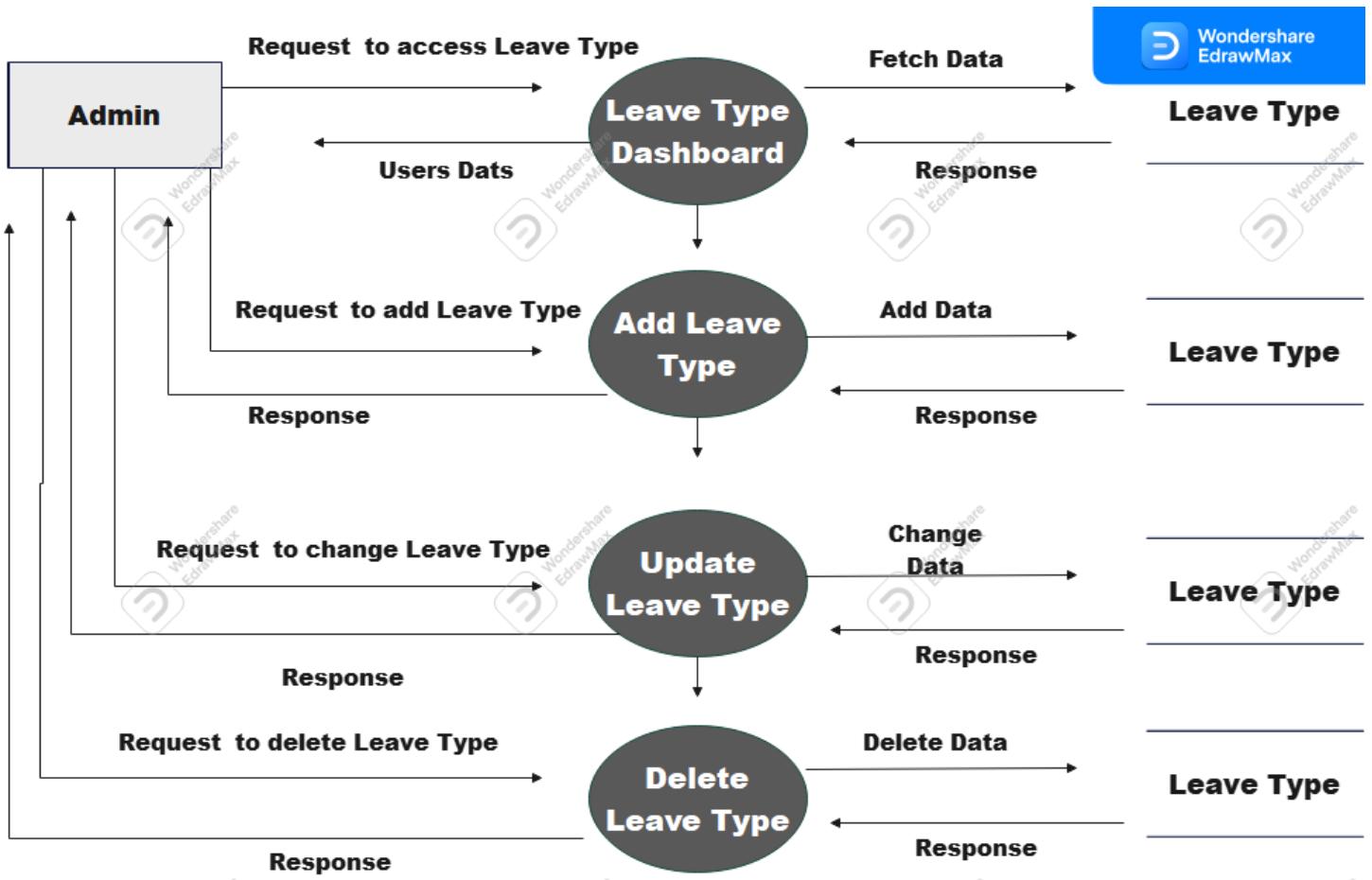


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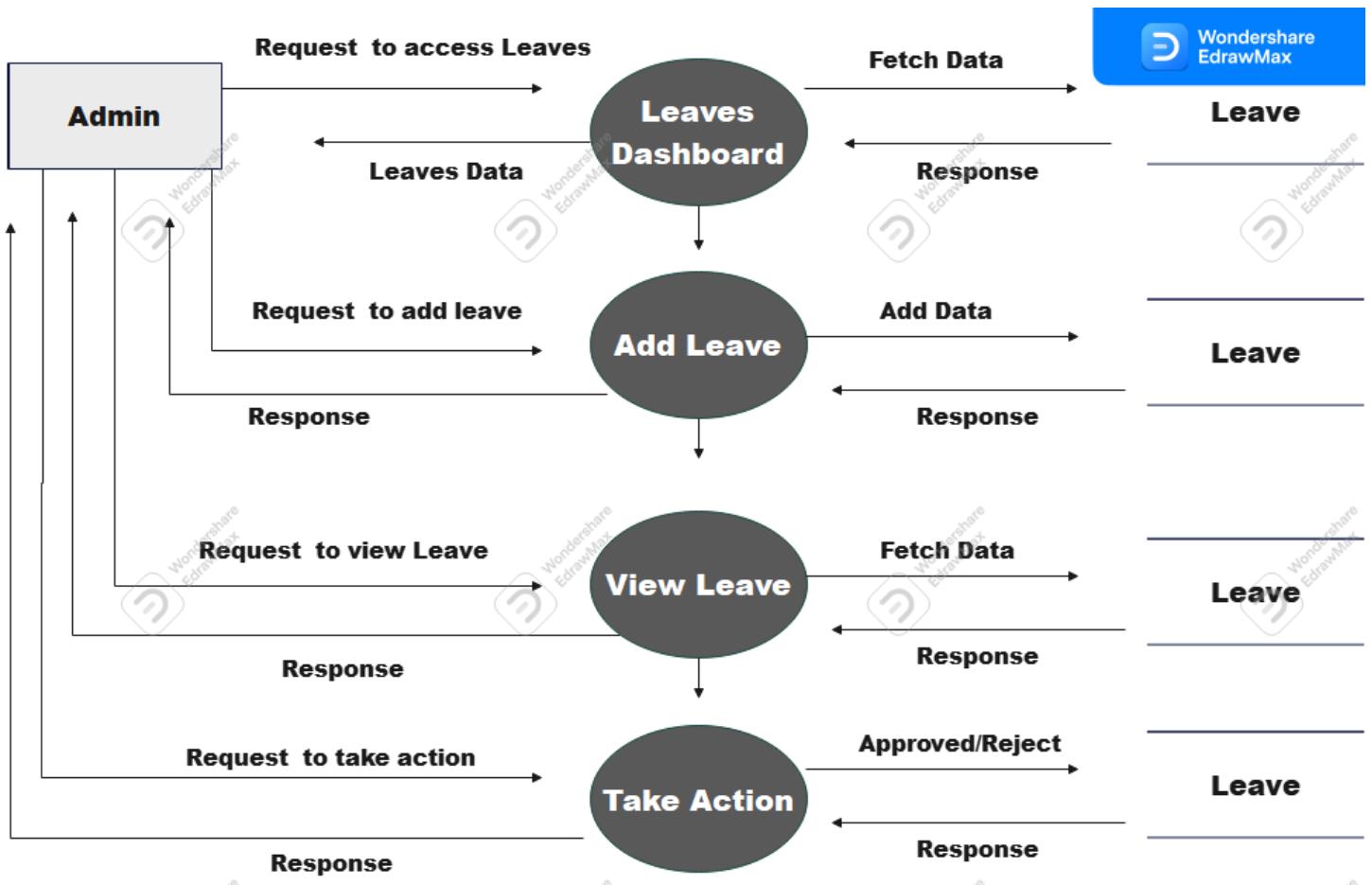


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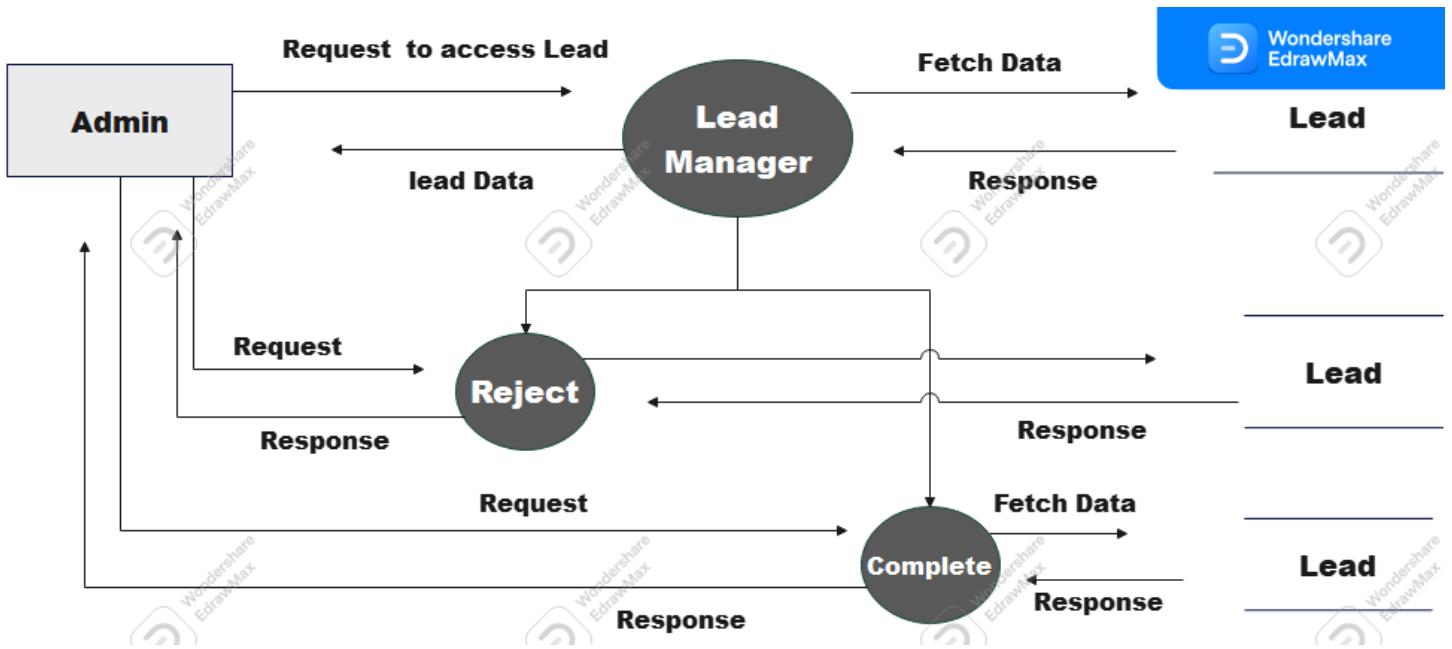


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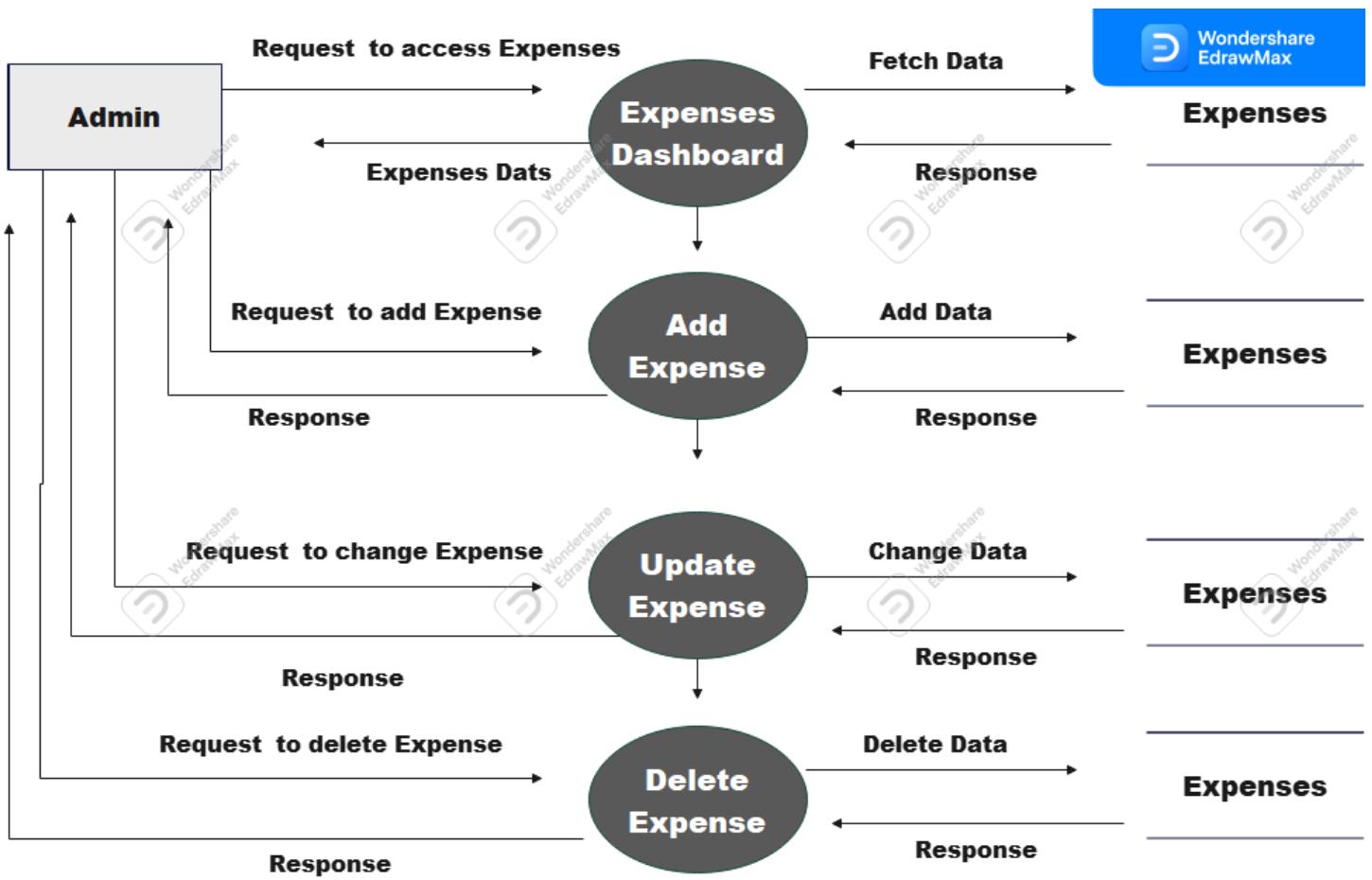


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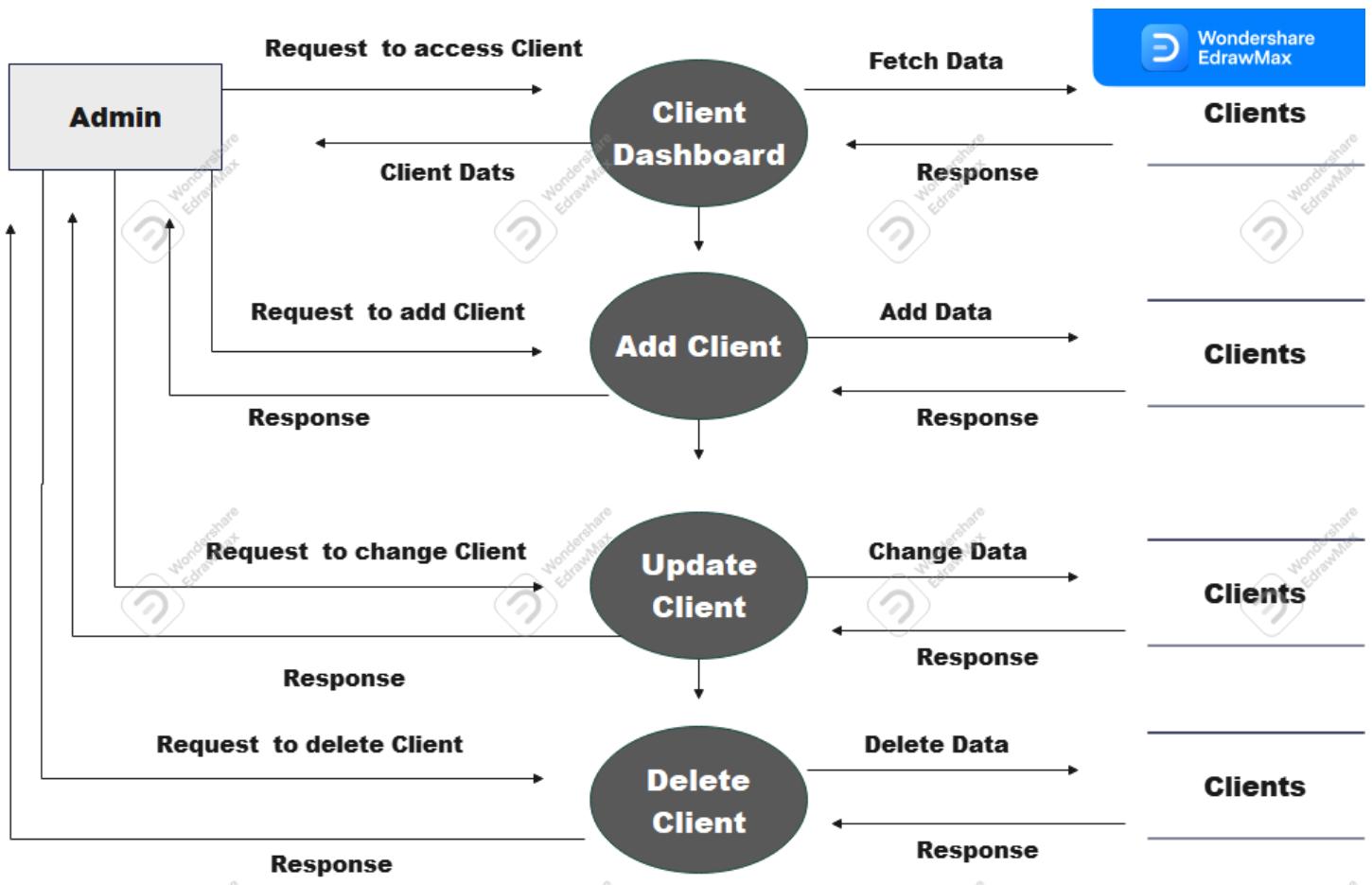


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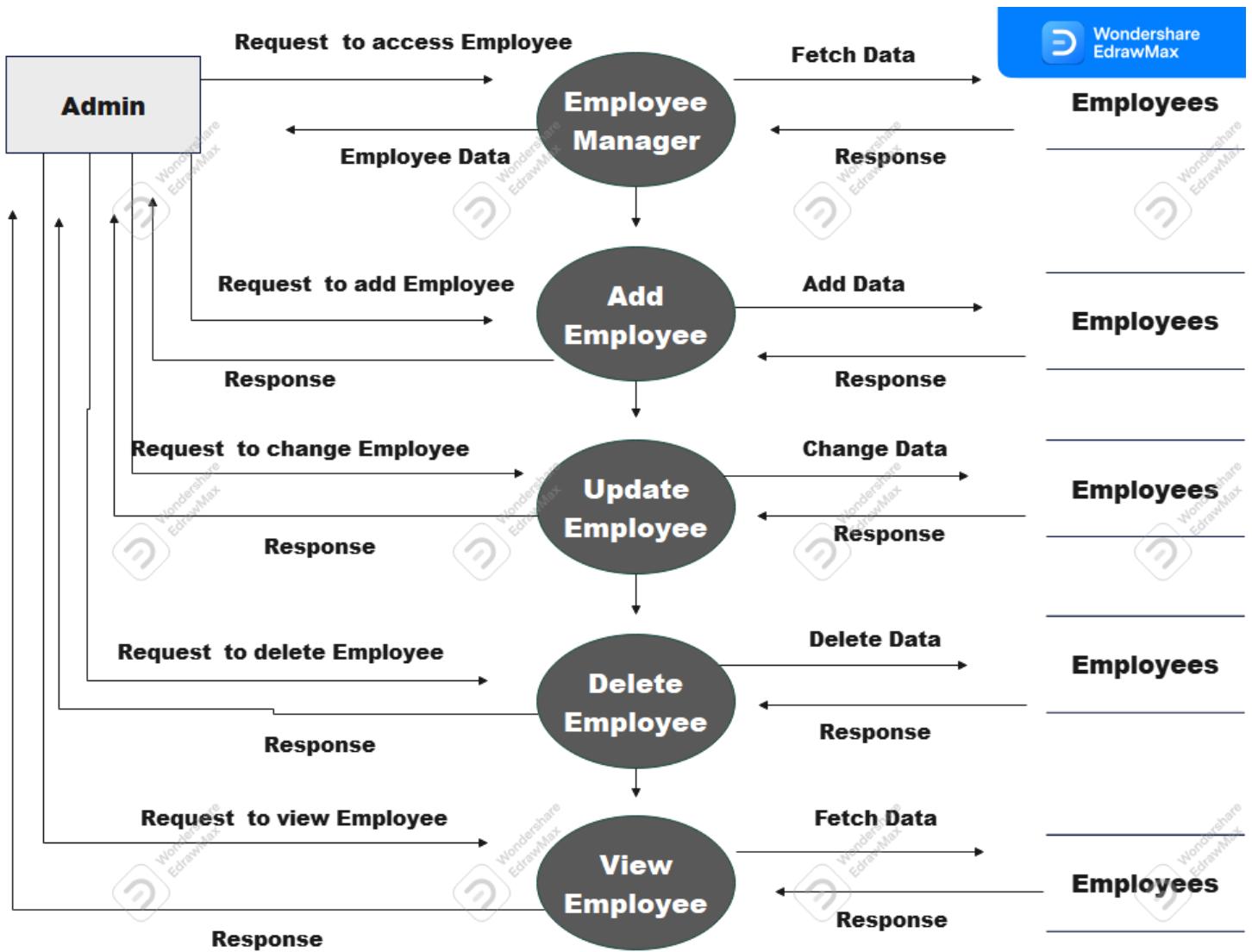


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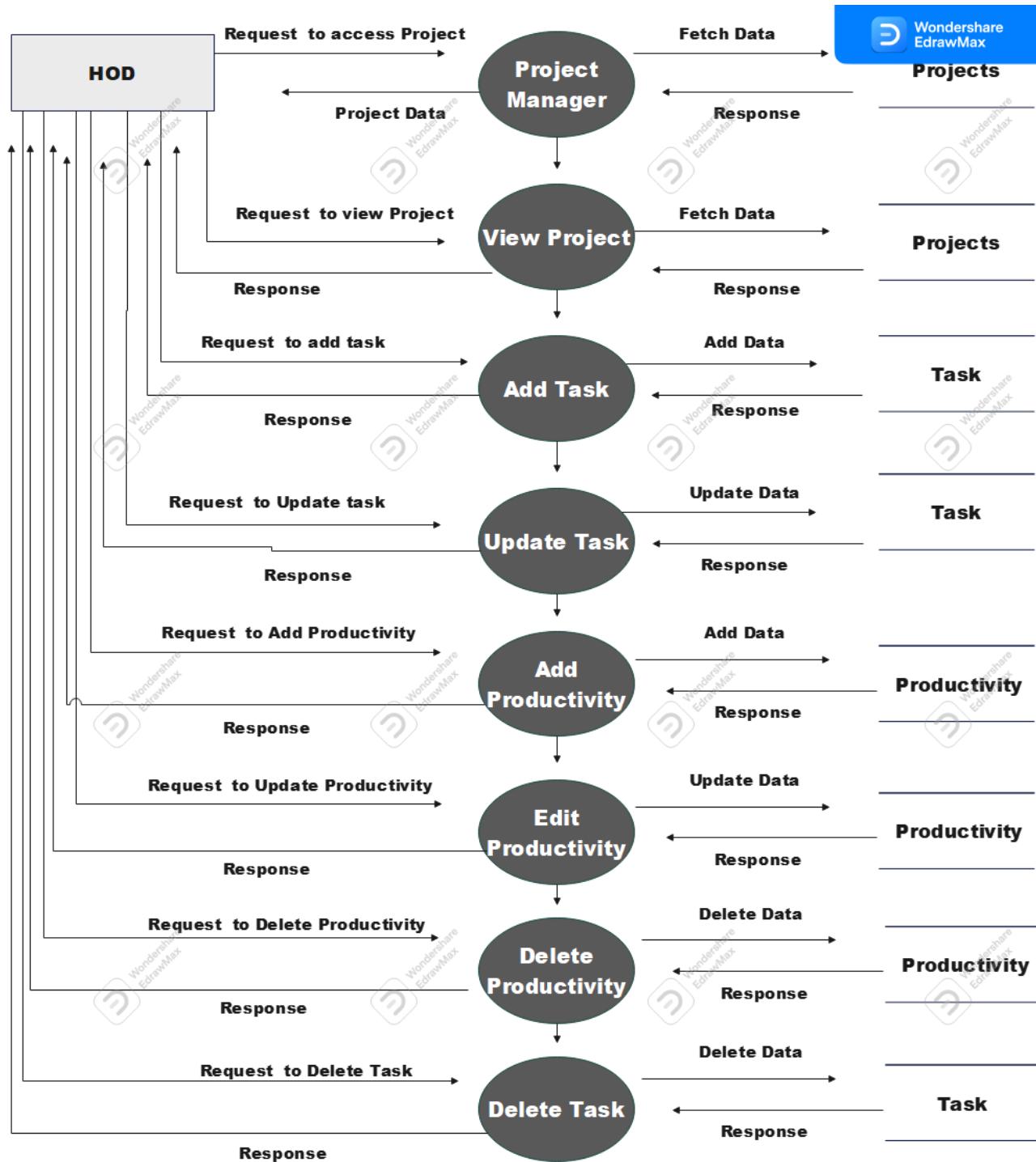


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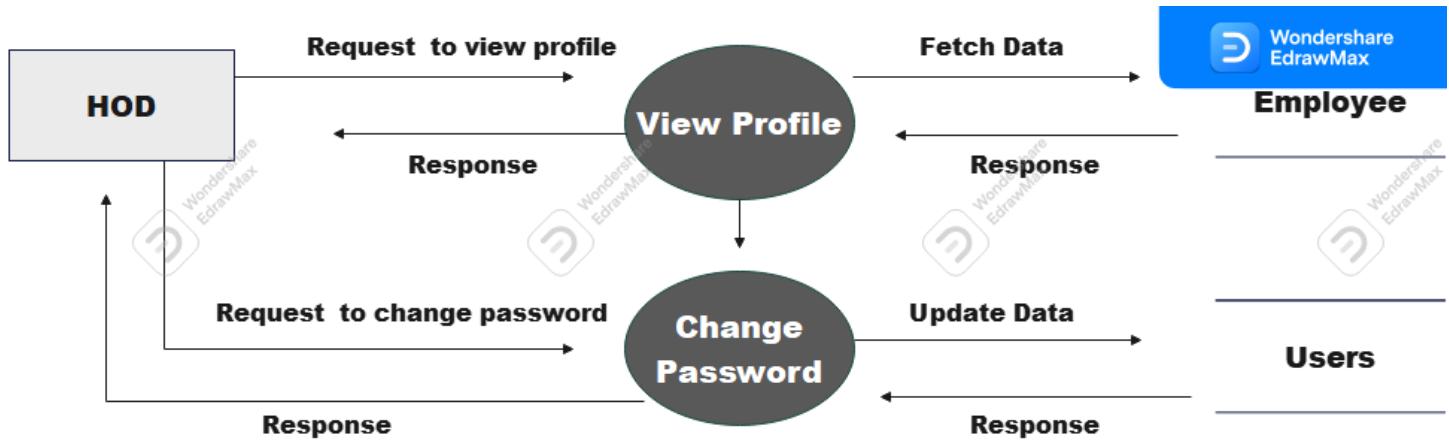
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2nd level DFD of HOD –Profile

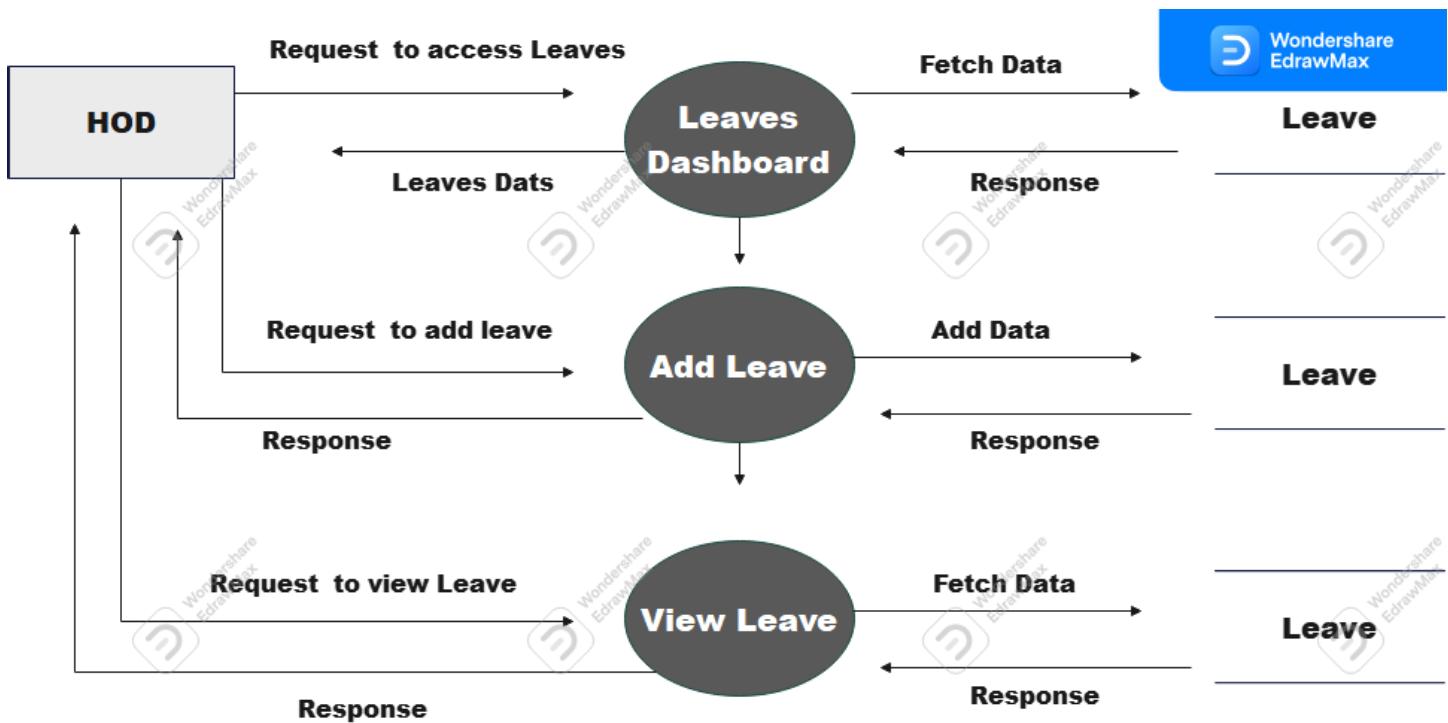


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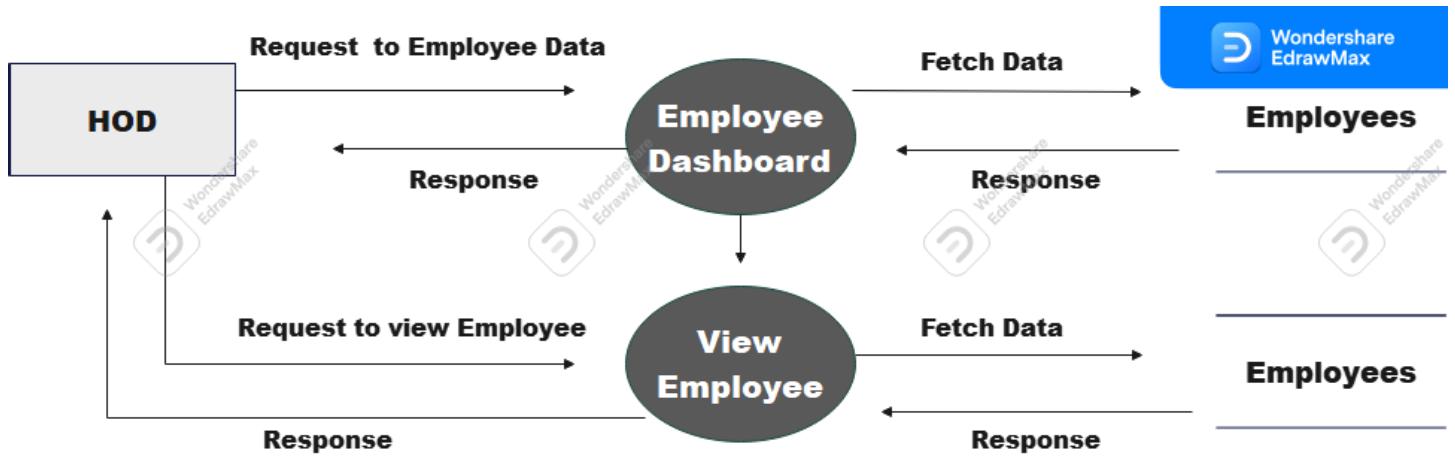


2nd level DFD of HOD –Leave Management



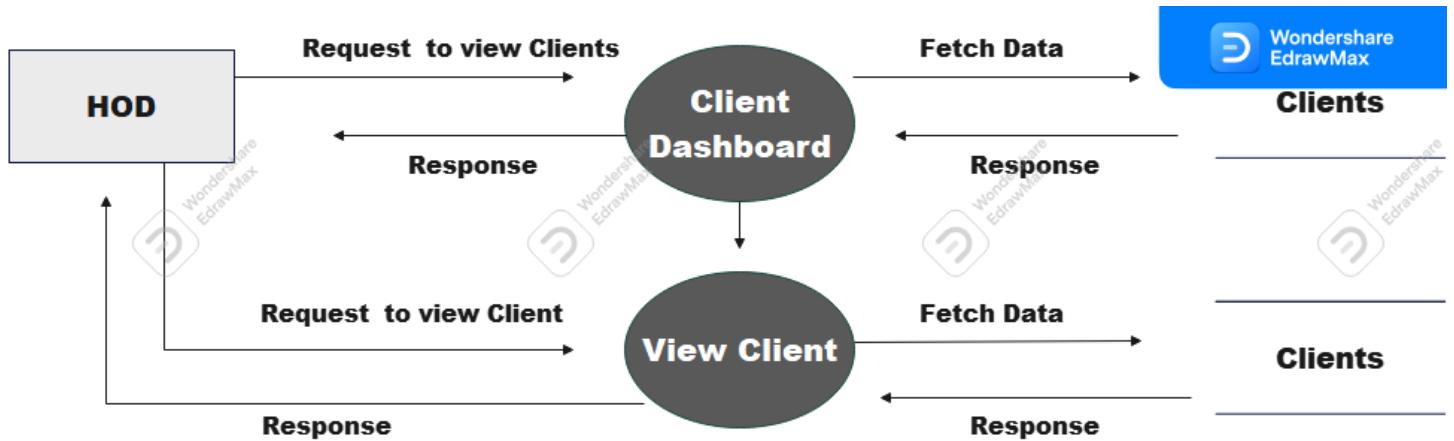


2nd level DFD of HOD –Employee Management



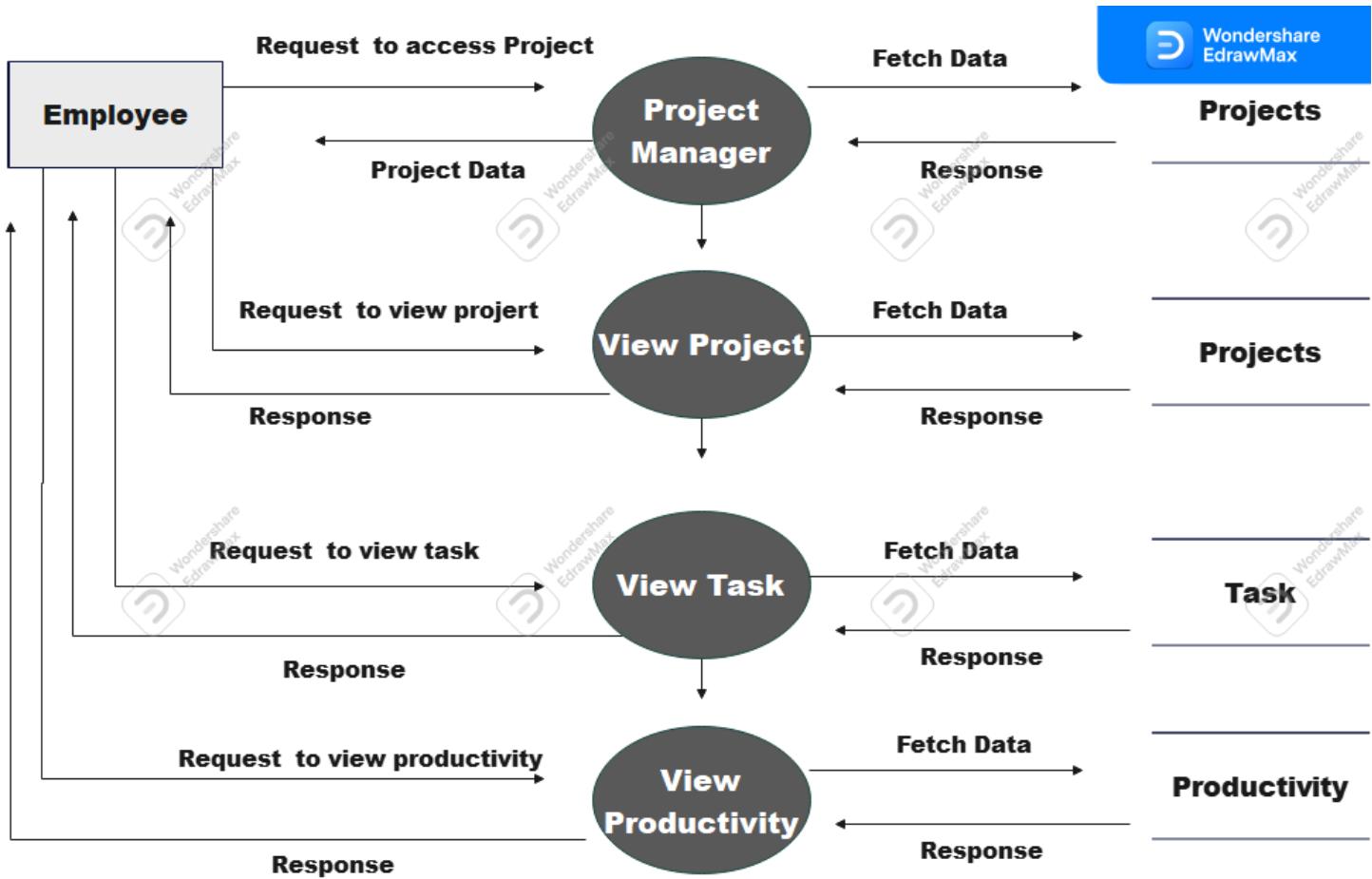


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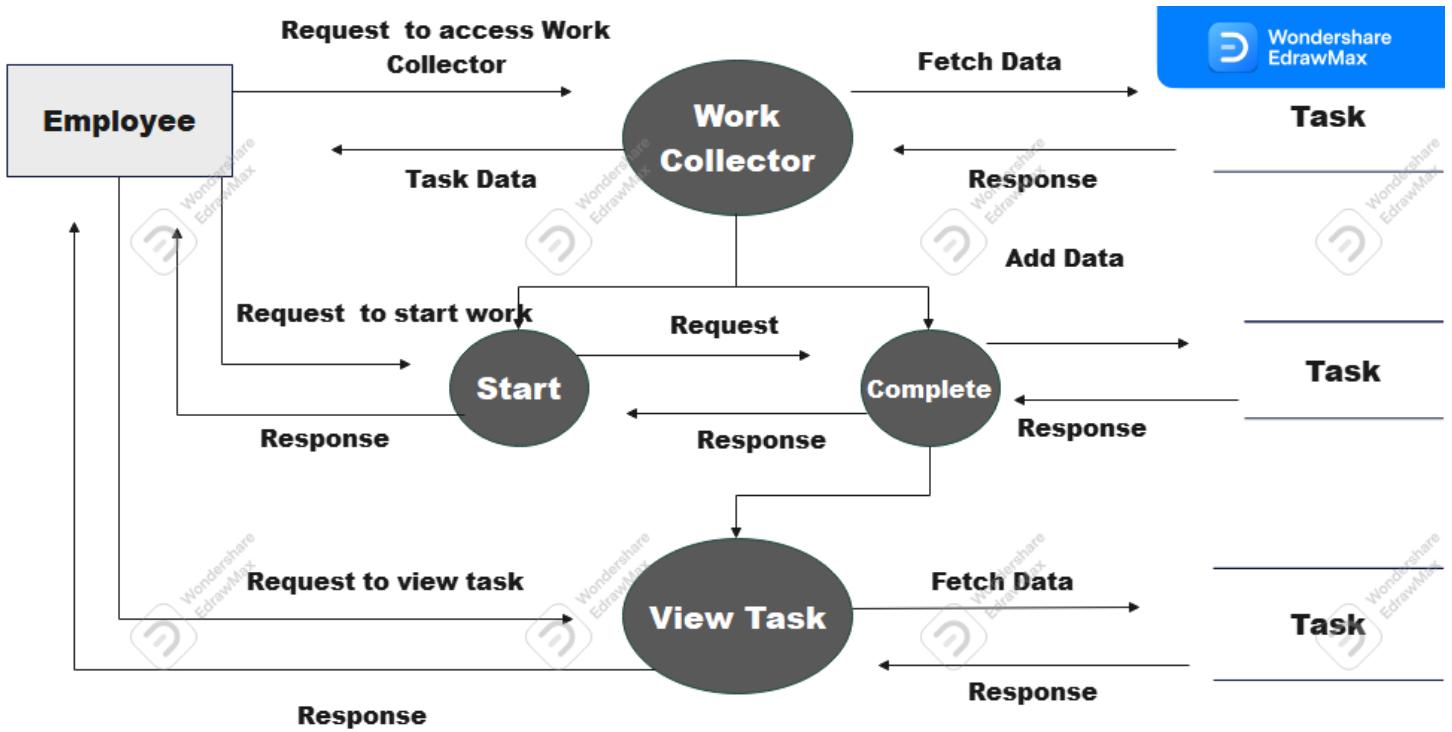


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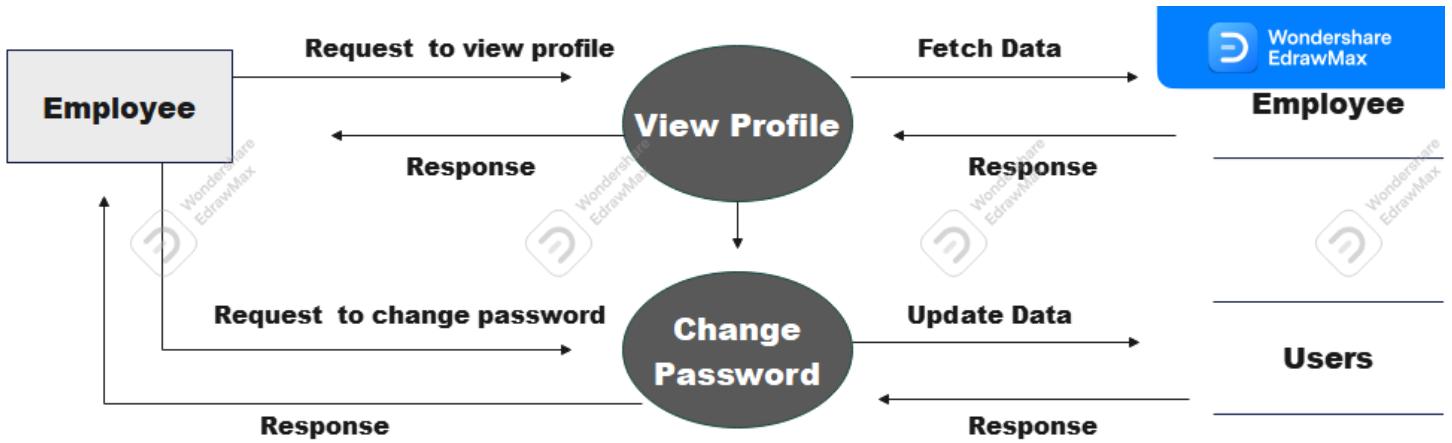


2nd level DFD of Employee –Work Collector



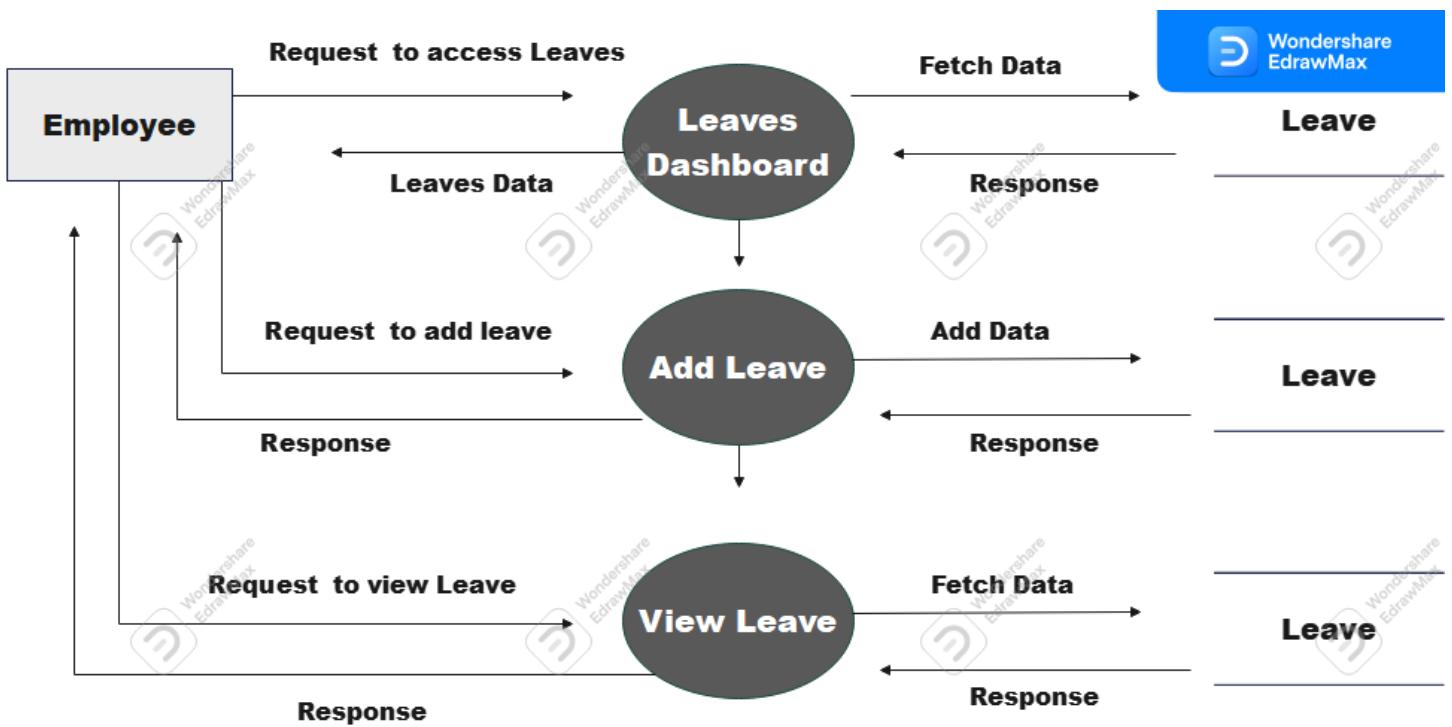


2nd level DFD of Employee –Profile



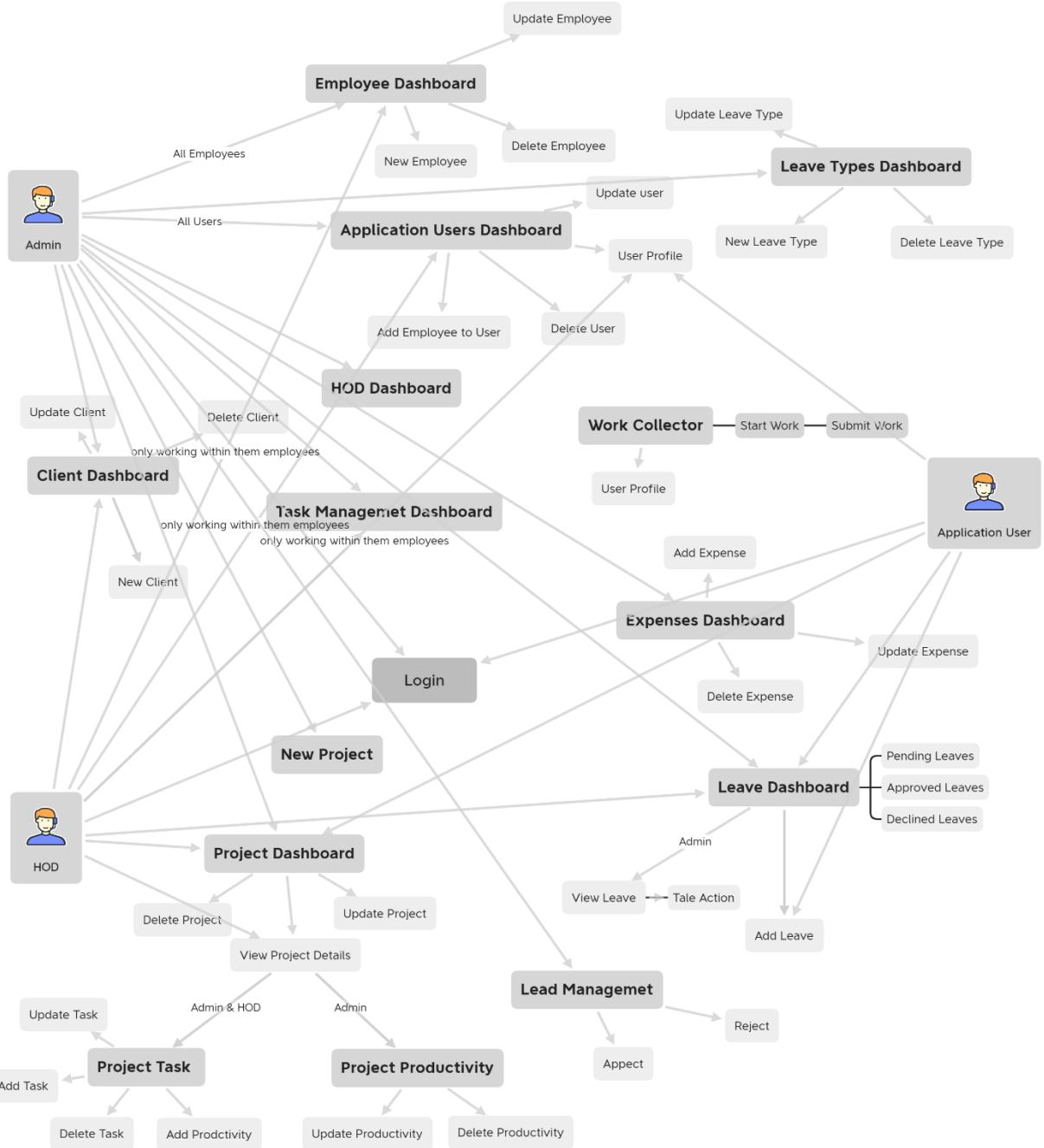


2nd level DFD of Employee –Leave Management





3.2 Use Case Diagram

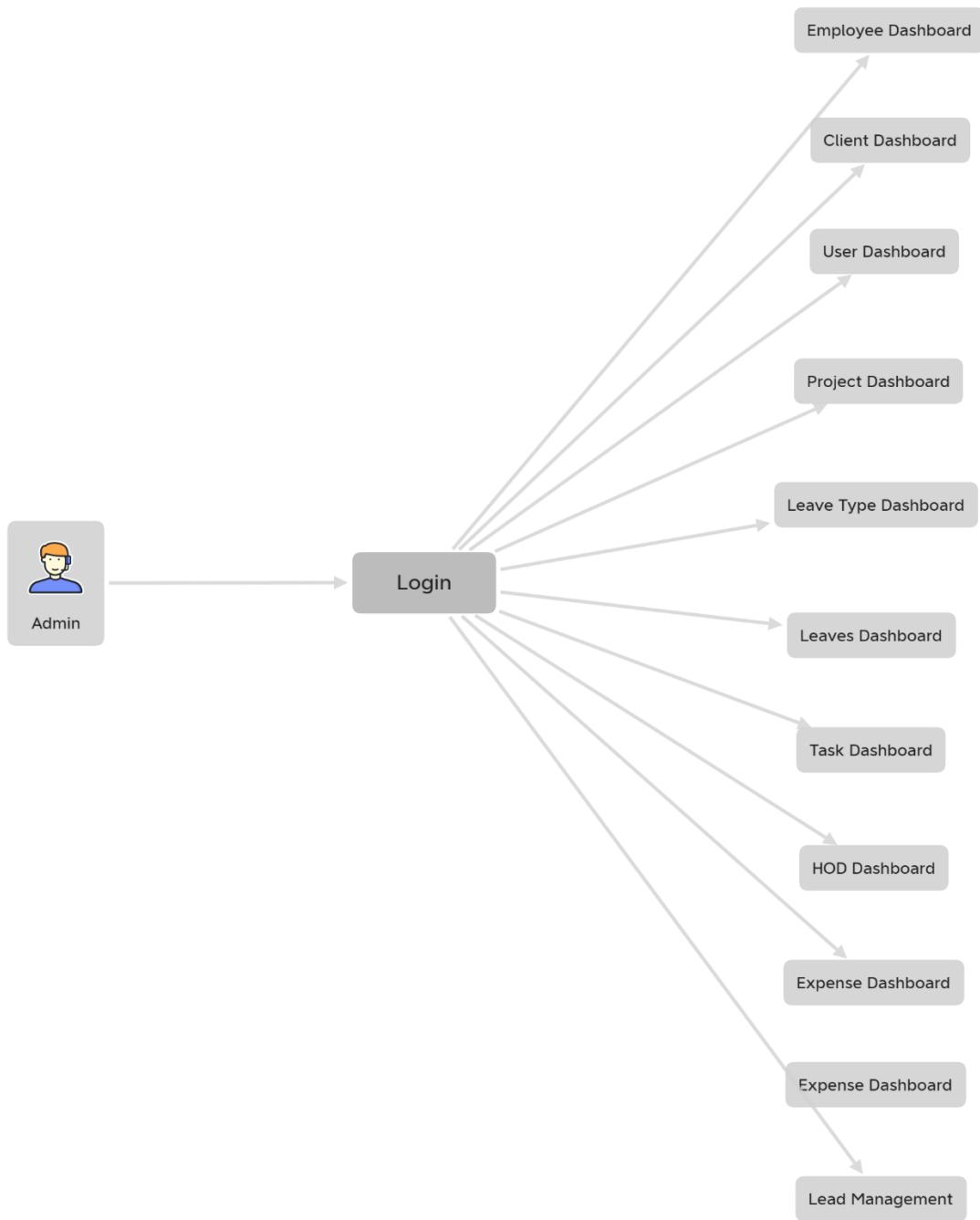


Presented with xmind



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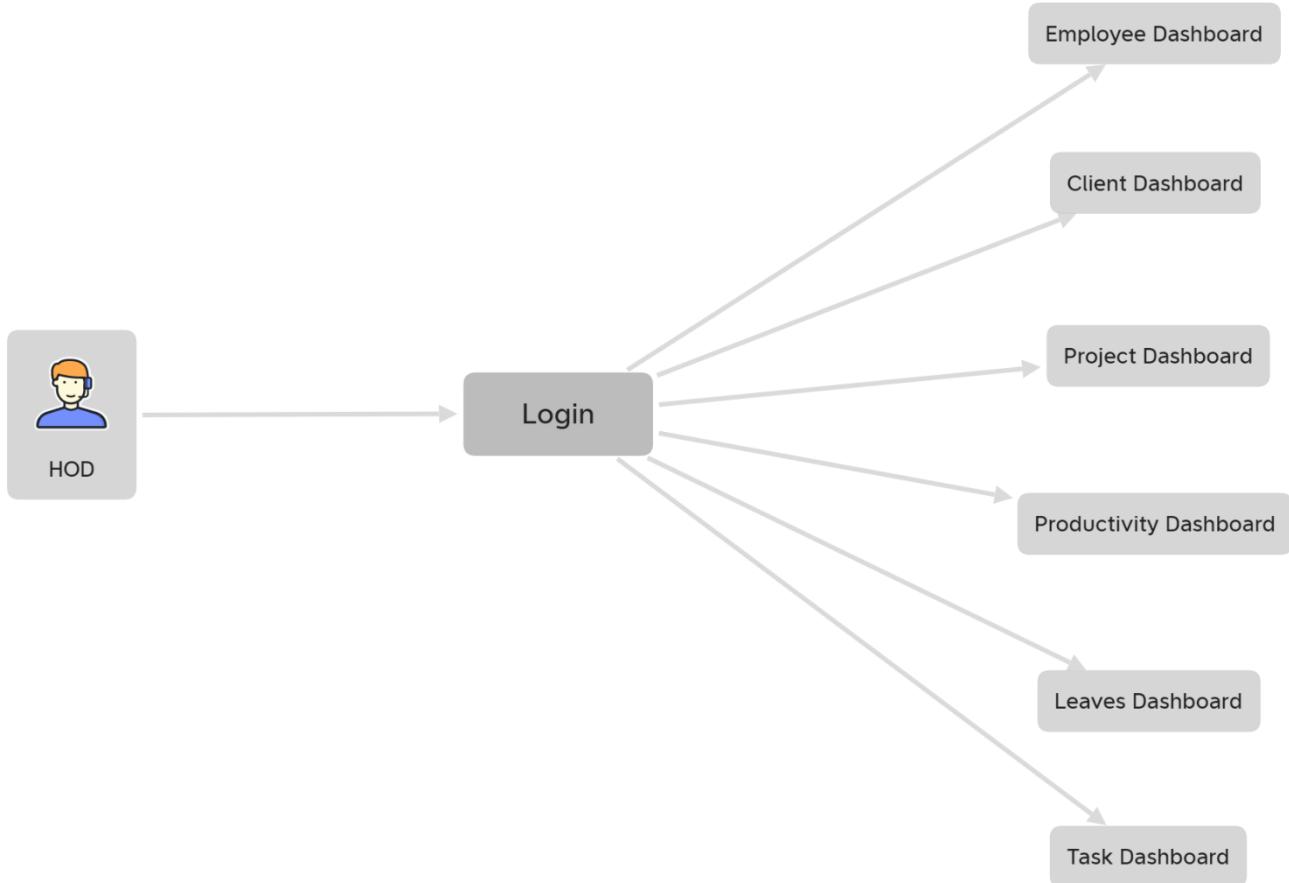
Use Case Diagram – Admin



Presented with xmind



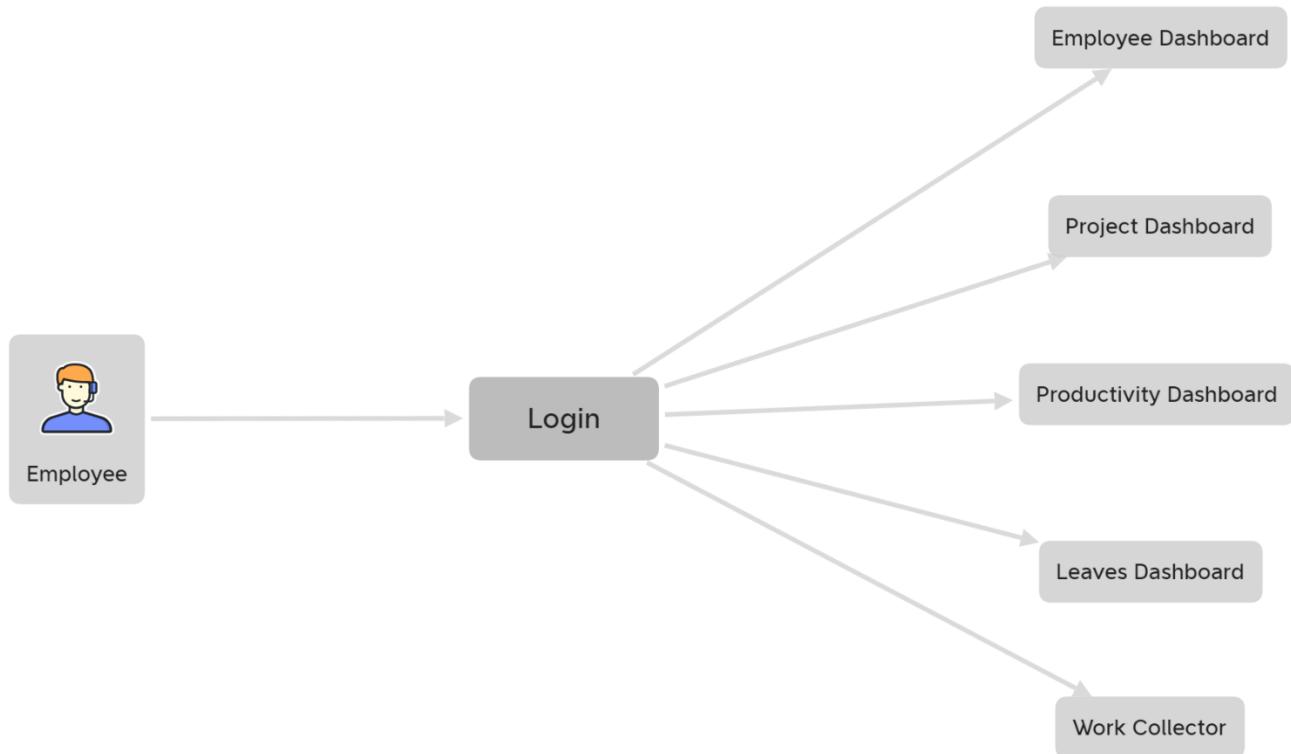
Use Case Diagram – HOD



Presented with **xmind**



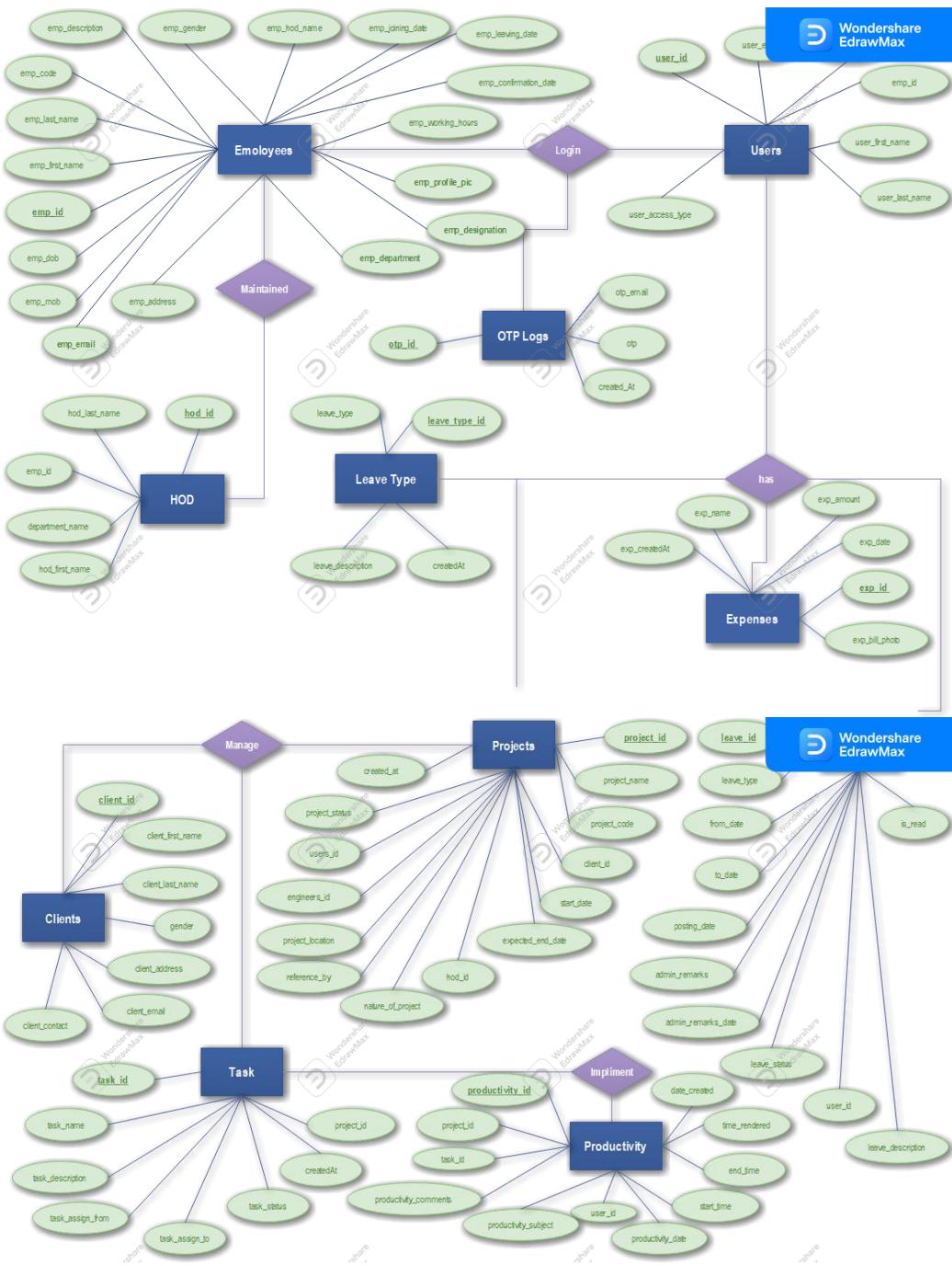
Use Case Diagram – Employee



Presented with **xmind**

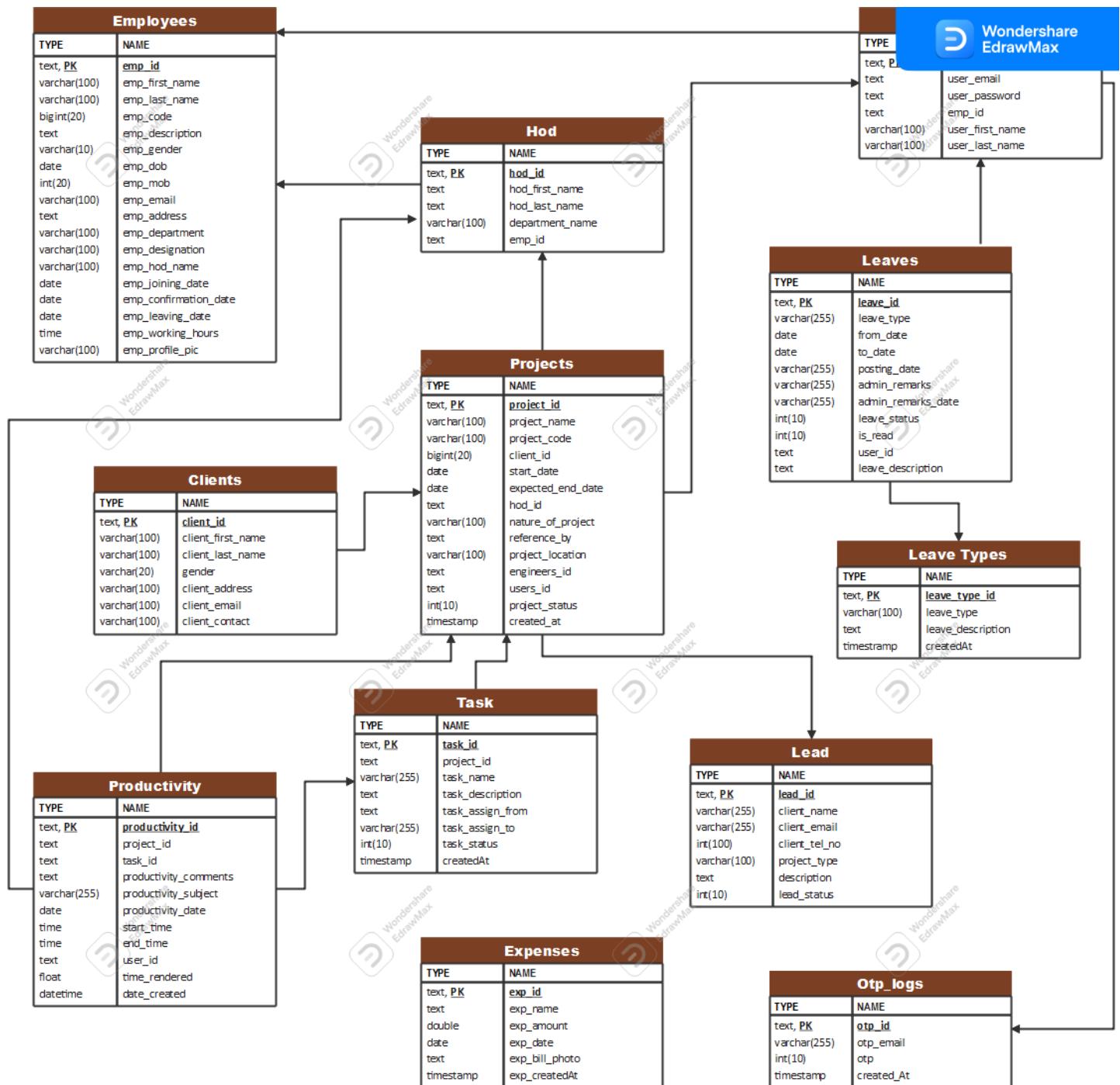


3.3 ER Diagram





3.4 Database Design





3.5 Data Dictionary

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Dream Studio Architecture Ltd.

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1	task_id	text	utf8mb4_general_ci		No	None		Change Drop More	
2	project_id	text	utf8mb4_general_ci		No	None		Change Drop More	
3	task_name	varchar(255)	utf8mb4_general_ci		No	None		Change Drop More	
4	task_description	text	utf8mb4_general_ci		No	None		Change Drop More	
5	task_assign_from	text	utf8mb4_general_ci		No	None		Change Drop More	
6	task_assign_to	varchar(255)	utf8mb4_general_ci		No	None		Change Drop More	
7	task_status	int(10)			No	None	0: Pending, 1: On Progress, 2: Complete, 3: Hold	Change Drop More	
8	createdAt	timestamp			No	current_timestamp()	ON UPDATE CURRENT_TIMESTAMP()	Change Drop More	

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	text	utf8mb4_general_ci		No	None		Change Drop More	
2	user_email	text	utf8mb4_general_ci		No	None		Change Drop More	
3	user_password	text	utf8mb4_general_ci		No	None		Change Drop More	
4	emp_id	text	utf8mb4_general_ci		No	None		Change Drop More	
5	user_first_name	varchar(100)	utf8mb4_general_ci		No	None		Change Drop More	
6	user_last_name	varchar(100)	utf8mb4_general_ci		No	None		Change Drop More	
7	user_access_type	int(10)			No	2	1: Admin 2: Employee 3: Engineer 4: HOD	Change Drop More	



Dream Studio Architecture Ltd.

3.5 User Interface

FRONTEN

The screenshot shows a web page with a pink header bar. On the left is the logo 'DREAM ARCHITECTURE'. In the center, a dark grey bar contains the text 'Press F11 to exit full screen' and navigation links for 'Home', 'Services', 'Projects', 'Terms', and a red button 'Get Interact'. Below this, a green callout bubble says 'Welcome to our organization! We're so excited to have you as part of our community.' To the right, there's a large illustration of a woman with dark hair, wearing a yellow top and orange pants, sitting at a drafting table and drawing architectural plans. A red vase with a single green leaf is on the table next to her. The background features a large, faint orange circular graphic.

Welcome to our organization! We're so excited to have you as part of our community.

ARCHITECTURE AS IDENTITY

Purity in form and material exuberate a statement in architecture; identity and timelessness are the key words for creating edifices of unique nature.

[Offered services](#) [Get Interact](#)



Dream Studio Architecture Ltd.



Home Services Projects Terms Get Interact

Architecture

architecture, the art and technique of designing and building, as distinguished from the skills associated with construction.

- ✓ Architectural Rendering Services
- ✓ Architectural Drawing Services
- ✓ Architectural Design Services
- ✓ Curabitur consequat nisl eget

Interior

Interior commonly refers to the inside of something. The interior rooms beautifully renovated.

- ✓ Furniture layouts using new and existing furniture
- ✓ Space planning and purchasing
- ✓ Floor plans, elevations, details, and renderings
- ✓ Kitchen and bathroom design

3D Views

We offer 3D rendering services that make presentations, models, and animations come alive.

- ✓ Computer-generated special effects for your presentation.
- ✓ Texturing and light elements.
- ✓ powerful 3D architectural animation services.



Home Services Projects Terms Get Interact

COMMERCIAL & RESIDENTIAL ARCHITECTS IN SURAT



We have team of commercial architects in Surat and engineers to help you design & supervise the commercial projects. Our vast experience in commercial architecture help you to realize your project in stipulated budget.

We have residential architects in our team to realize your dream house. We have designed number of residences in Delhi, Gurgaon and Faridabad.

Modal



Dream Studio Architecture Ltd.



Home Services Projects Terms Get Interact

Our large family with Clients and Vendors

With a client relationship, things are always different. If you are a client, I have a responsibility to make your opinion heard, but I also have the responsibility to make a judgement call about whether or not that opinion should somehow modify the work being done.

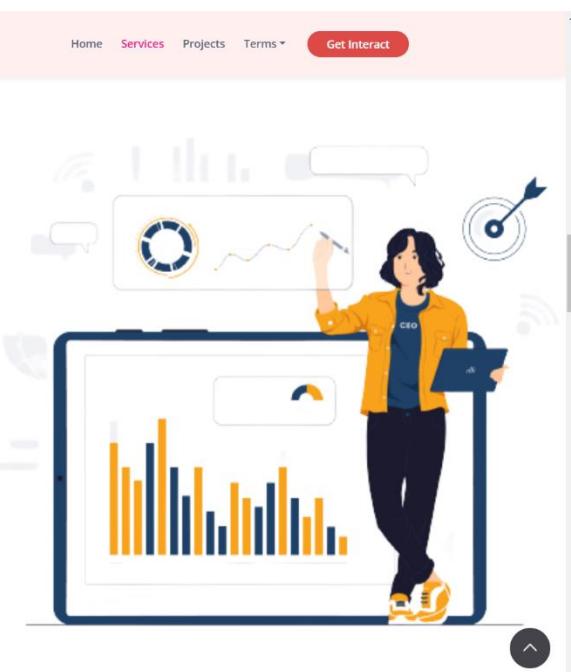
633+ 858+

Happy Clients

Developed Projects

1539+

Vendors



Home Services Projects Terms Get Interact

Architecture should speak of its time and place but yearn for
timelessness.

Our Top 15 Projects

ALL DESIGN DEVELOPMENT MARKETING



1



2



3





Dream Studio Architecture Ltd.

DREAM
ARCHITECTURE

Home Services Projects Terms Get Interact

4 5 6

7 8 9

^

DREAM
ARCHITECTURE

Home Services Projects Terms Get Interact

10 11 12

13 14 15

^



Dream Studio Architecture Ltd.



Home Services Projects Terms Get Interact

Contact with us We welcome everyone

Start a new project with our community and make your dreams come true

📍 11th Floor Aliganza Business Hub, Vesu Road, Surat, IND 📞 +12 345 6789 🎤 dream.studio.ar@gmail.com

Your Name

Email

Contact No.

Select type

description

Submit



Home Services Projects Terms Get Interact

Submit

The way we design does not follow a rigid formula or cookie cutter process. We question everything during the process and are always looking for better materials, methods and options.



Terms & Conditions Privacy Policy

Copyright © Dream Studio 2023



Dream Studio Architecture Ltd.

The screenshot shows a website for 'DREAM STUDIO ARCHITECTURE LTD.'. At the top left is the company logo. The top navigation bar includes 'Home', 'Services' (which is highlighted in pink), 'Projects', 'Terms', and a red 'Get Interact' button. A large image of a woman wearing glasses and a white shirt, holding a smartphone, is displayed. To the right of the image, a modal window is open with the heading 'Ar. Pratiksha Chopra'. Below the heading is a paragraph about the company's achievements and services. A list of bullet points follows, detailing their global reach and specialized expertise.

We're not just any ordinary architect firm. Our hard work and creativity have earned us many national and international awards, making us the most celebrated architects in Surat.

Our services are comprehensive, covering everything from civil works, engineering, supervision to architectural and structural design.

- We span 17 studios across 6 regions.
- We do not adhere to a signature style.
- We create alongside clients, communities & other creatives.
- We specialize in Architecture, Interiors & Masterplanning.
- We explore data to predict changing human behavior.

The screenshot shows the 'Terms & Conditions' page of the website. The header includes the company logo and navigation links for 'Home', 'Services', 'Projects', 'Terms', and 'Get Interact'. The main title 'Terms & Conditions' is centered above a large text area. Within this area, a box contains a statement about the consultant's duty of care. Below the text area, the '1. FEES' section is titled, followed by four numbered clauses (1.1 to 1.4) describing payment terms and consequences for non-payment.

The Consultant shall exercise reasonable skill and care in conformity with the normal standards of our profession in performing the Services defined in the Client Agreement and discharging all our obligations.

1. FEES

1.1 The Client will pay the Consultant the fee and expenses set out in the Client Agreement.

1.2 Unless otherwise agreed, invoices will be submitted monthly or, if appropriate, a programme of instalments shall be drawn up. Installments may not necessarily reflect the progress of our works and, in such cases, payment shall be made in accordance with Clause 9.0 thereunder if suspension or termination occurs.

1.3 Payments are due within 21 days of the date of the invoice and the Consultant reserves the right to cease work on the project if fees are not paid by the due date.

1.4 Payments are due within 21 days of the date of the invoice and the Consultant reserves the right to cease work on the project if fees are not paid by the due date.



Dream Studio Architecture Ltd.



Home Services Projects Terms Get Interact

2. EXPENSES

- 2.1** Out of pocket expenses include the cost of hotel charges and travelling expenses within the United Kingdom, but exclude postage, telephone, internet and fax charges and various minor items, which are included in our fee.
- 2.2** Disbursements to be charged additionally include such items as:
 - 2.2.1** Drawings and documents required by agents, funds or third parties with an interest in the development.
 - 2.2.2** Color prints and drawings. (A1 paper prints issued at ₹60.00 and emailed pdf drawings issued at ₹120.00 each and A3 paper prints issued at ₹87.50 each).
 - 2.2.3** Physical models.
 - 2.2.4** Site surveys, structural investigations and load tests (unless otherwise agreed).
 - 2.2.5** Fees for specialist professional advice not covered by the Client Agreement.
 - 2.2.6** All costs relating to the engagement and payment of resident site staff.

3. CHANGE CONTROL

- 3.1** Should there be a variation in the agreed scope of works the Consultant will identify and issue this in a Change Notification Form which will identify any fee or programme implications. All Change Notification Forms issued will need to be agreed by the Client before the Consultant progresses with any variations.
- 3.2** Time Charges - Hourly rates include direct staff costs as well as indirect overhead costs apportioned across all technical staff.



Home Services Projects Terms Get Interact

3. CHANGE CONTROL

- 3.1** Should there be a variation in the agreed scope of works the Consultant will identify and issue this in a Change Notification Form which will identify any fee or programme implications. All Change Notification Forms issued will need to be agreed by the Client before the Consultant progresses with any variations.
- 3.2** Time Charges - Hourly rates include direct staff costs as well as indirect overhead costs apportioned across all technical staff.

4. CLIENT'S INSTRUCTIONS

- 4.1** Although the Consultant is responsible for guiding the Client, the success of the project will depend to a large extent upon the Client's instructions and approvals being given when required to suit the project timetable. The Client therefore will provide the Consultant with such information and make such decisions as are necessary for the proper performance of the agreed service.
- 4.2** The Consultant cannot accept responsibility for the connection of utilities or services or for upgrading of a service in the event of an increased loading requirement. It is the Client's responsibility to check with their chosen service providers that the required services can be supplied to the site.

5. COPYRIGHT

- 5.1** Intellectual property rights including copyright in the original work produced in the performance of the Service shall remain the property of the Consultant and the Consultant generally asserts the moral right to be identified as the author of such work. However, the Client shall be entitled to use such documents and drawings under a non-exclusive license and subject to payment having been received by the Consultant of a license fee.
- 5.2** The Consultant shall not be liable for the consequences of any use of information or designs prepared by them except for the purposes for which they were provided.



Dream Studio Architecture Ltd.



[Home](#) [Services](#) [Projects](#) [Terms](#) [Get Interact](#)

exclusive license and subject to payment having been received by the Consultant of a license fee.

5.2 The Consultant shall not be liable for the consequences of any use of information or designs prepared by them except for the purposes for which they were provided.

5.3 Photography - The Consultant shall obtain the consent of the Client, which consent shall not be unreasonably withheld or delayed, before publication of any other information relating to the Project, unless reasonably necessary for the performance of the Services.

6. CLIENT FEEDBACK/POST OCCUPANCY EVALUATION

As a practice, we continuously strive to improve upon our service and approach and as such may request Client feedback at key project stages including post occupancy evaluations on completion with the Client's consent.

7. ASSIGNMENT

Neither the Client or the Consultant shall at any time assign the benefit of this agreement or any rights arising under it without the prior written consent of the other, which consent shall not be unreasonably withheld or delayed.

[Get Interact](#)



[Home](#) [Services](#) [Projects](#) [Terms](#) [Get Interact](#)

Privacy Policy

DA Ltd is an Architecture business committed to respecting and protecting your privacy. Our Privacy Policy sets out how any personal data we collect from you either directly, on or through our website or when you sign up to follow our social media pages is processed, in accordance with The Data Protection Law, 2017.

For the purpose of the relevant data protection legislation, the "controller" (or "data controller") is DA Ltd at Delhi Court, Delhi Lane, St Mahatma Gandhi road, Delhi NCR. We can be contacted at contact@pfaarchitecture.com or 01481 712633.

DA Ltd complies with its obligations under The Data Protection (Bailiwick of Guernsey) Law, 2017 by keeping personal data up to date; by storing and destroying it securely; by not collecting or retaining excessive amounts of data; by protecting personal data from loss, misuse, unauthorized access and disclosure and by ensuring that appropriate technical measures are in place to protect personal data.

Types of Personal Data we collect As a client of PF+A Ltd, we collect information that helps us identify you and meet the obligations of our business engagement with you. Where you are a client, the personal information we will collect includes: Your business names, personal names, addresses, telephone numbers, email addresses, bank details, etc. We do not collect any Special Category Data about you (this includes race, religion, political interests, sexual interests, information about your health). Nor do we collect any information about criminal convictions and offenses.

Types of Personal Data we collect

=> As a client of DA Ltd, we collect information that helps us identify you and meet the obligations of our business engagement with you. Where you are a client, the personal information we will collect includes:



Dream Studio Architecture Ltd.



Home Services Projects Terms Get Interact

Types of Personal Data we collect

- => As a client of DA Ltd, we collect information that helps us identify you and meet the obligations of our business engagement with you. Where you are a client, the personal information we will collect includes:
- => Your business names, personal names, addresses, telephone numbers, email addresses, bank details, etc.
- => We do not collect any Special Category Data about you (this includes race, religion, political interests, sexual interests, information about your health). Nor do we collect any information about criminal convictions and offenses.

Purpose or processing your Personal Data

- => We shall not share your personal date with any third party for marketing purposes without your express consent. Where we share your information, we require those receiving it, to put in place appropriate security and confidentiality measures to protect it.
- => We shall use your personal data for the following purposes:
- => Maintenance of contract and communication with you during your dealings with PF+A Ltd.
- => Maintenance of our own records and accounts.
- => The purchase of good/services/materials from you.
- => The Development and Planning Authority ("DPA") for the submission of pre-application, planning and building control application.
- => Third party agents/suppliers or contractors, in connection with the processing of your personal information for the purposes described in this Policy. This may include, but is not limited to, disclosures to our own advisors such as auditors and accountants and any external legal advisors we may instruct.
- => To inform you of news, events or activities.



Home Services Projects Terms Get Interact

Your rights and your Personal Data

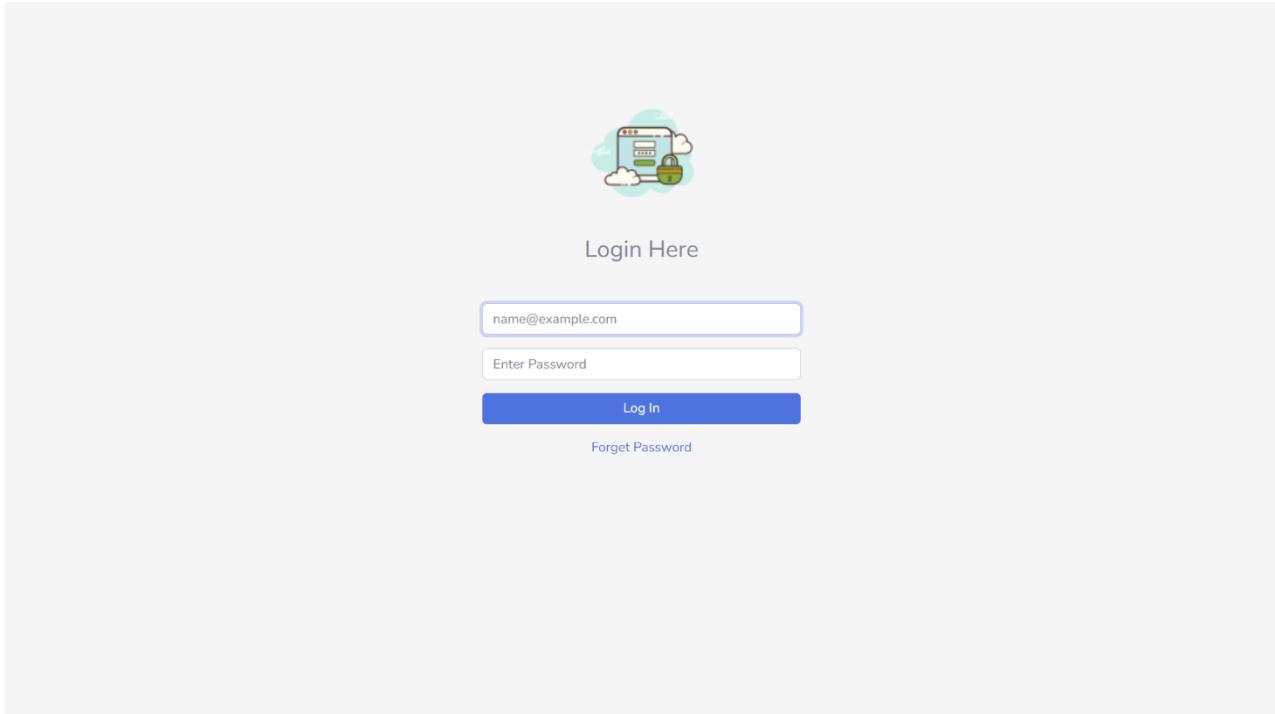
- => Under The Data Protection (Bailiwick of Guernsey) Law, 2017 you may request details of personal information which we hold about you or request that we update the details that we hold about you.
- => Under certain circumstances, you have the following rights:
- => to request that we provide you with a copy of the information we hold about you ("Right of access")
- => to restrict the level of processing we carry out with your information ("Right to restriction of Processing")
- => to obtain from us all personal data we hold about you in a structured, machine readable form, and have this information transmitted to another organization ("Right to data portability")
- => to object to our processing your information in certain ways ("Right to Object"); and.

The way we design does not follow a rigid formula or cookie cutter process. We question everything during the process and are always looking for better materials, methods and options.



Dream Studio Architecture Ltd.

BACKEND



The image shows a placeholder for a login interface, likely a screenshot of a mobile application or a web page. It features a central icon of a computer monitor with a lock, surrounded by clouds. Below the icon is the text "Login Here". Underneath, there are two input fields: one for "name@example.com" and another for "Enter Password". A blue "Log In" button is positioned below the password field. To the right of the password field is a "Forgot Password" link.

Login Here

Log In

[Forgot Password](#)



Testing User 

**DS
ARCHITECTURE**

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

New User

 Users

Fill Up Details

Employee Name *

Select Name

Password *

(Empty input field)

Confirm Password *

(Empty input field)

Access Type *

Select Access Type

Submit Details

Back to User List



Dream Studio Architecture Ltd.

DS
ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

Leaves Types

+ Add Leave Type

Leaves Type

Show 10 entries Search:

Sr. No	Leave Type	Description	Actions
1	diwali	ekgrfkdnfkbnrwinrpn nbpoiegbfrpobnpisfnsiij	⋮
2	holy	Create a CSS class that will display the popup when its display property is set to block.	⋮
3	z	dvgfrsgsdgvdsfgdgsdfsf	⋮
4	g	dsfgfdesgbhtfhrgedsgfedsfv	⋮
5	i	fdvgbgbdsgsdfasfasfasfdfs	⋮
6	f	fdfsfasfasdfasdffdsfsdf	⋮
7	b	dfrgdgedfewdfeedede	⋮
8	h	fswdefdsfdsgdsgszzxdfd	⋮

DS
ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

Add Leave Type

Leave Types

Fill Up Details

Leave Type *

Leave Description *

Submit Details Back to Leave Types List



Dream Studio Architecture Ltd.

Testing User

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

All Projects

+ Add Project

TOTAL	9 Projects	RUNNING	4 Projects	COMPLETED	1 Projects	PENDING	4 Projects
-------	------------	---------	------------	-----------	------------	---------	------------

Project List

Show 10 entries Search:

Sr No.	Project	Client	HOD	Start	Finish	Status	Action
1	pari flat	fhotejoeekntodfkbronbgodfk bbbb	Ab cd	5555-12-05	2000-04-05	Running	⋮
2	rahul of bunglow		Ab cd	1000-10-10	0000-00-00	Running	⋮
3	rrr flat		kjujyhjnyh nhnhn	2020-12-05	0000-00-00	Hold	⋮
4	House Of Rare Flat		Kiran Manek	2020-01-01	2020-01-01	Complete	⋮
5	Home Villa		Aalok Agarval	2020-01-01	2020-01-01	Running	⋮
6	Riman Tower		Nirali Patel	2020-01-01	2020-01-01	Running	⋮

New Project

Projects

Fill Up Details

Project Name *

Project Code *

Client * Start Date * Expected End Date

Select Client mm/dd/yyyy mm/dd/yyyy

Head Of Department *

Select HOD

Nature Of Project *

Select Project Type

Reference From

Project Location *



Dream Studio Architecture Ltd.

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

New Project

Select Client mm/dd/yyyy mm/dd/yyyy

Head Of Department * Select HOD

Nature Of Project * Select Project Type

Reference From

Project Location *

Engineers

Select Engineers
hiren Patel -
Itisha Padsala -
Mayank Virani - Engineer

Users

Select Users
Akshay Kaneria - Intern
Ami Bhalala - Intern
Chintan Bhimani -

Submit Details **Back to Project List**

pari flat

Project Information

PROJECT EMPLOYEES

1. Akshay Kaneria
2. Chintan Bhimani
3. dfdsf sdfsdf
4. Hemisha Patel

PROJECT ENGINEERS

1. hiren Patel
2. Mayank Virani

Project Name: Pari Flat
Project Status: 1
Project Code: p-021
Client: Fhotejoeekntodfkbronbgodfk Bbbb
Project Start Date: 5555-12-05
Project End Date: 2000-04-05
Head Of Department: Ab Cd
Nature Of Project: Flat
Reference By:
Project Location: Surat

[pari flat's Task List](#)



Dream Studio Architecture Ltd.

DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

pari flat

Testing User

Projects

pari flat's Task List

Show 10 entries

Search:

Sr No.	Task Name	Task Description	Task Assign From	Task Assign To	Task Status
1	map	objngpdfbjgpdbnjp	Ab cd	Chintan Bhimani	Not Started
2	flat layout	bhiwrosfbsibnvlbj v	Ab cd	Chintan Bhimani	Complete

Showing 1 to 2 of 2 entries

Previous 1 Next

Members Progress/Activity

Ab cd [map]

Date: 5555-12-01

Subject: bgndpbv;km

258415454vfgkgdsfbgsfb

Start: 12:00 PM End: 05:20 AM

Testing User

+ Add Client

All Clients

Client List

Show 10 entries

Search:

Sr No.	First Name	Last Name	Email	Address	Contact	Action
1	fhotejoeuktodfkbronbgodfk	bbbb	hnkteognnho@gmail.com	xvmbspfmposmb		
2	hgdhg	bffbx	gff@gmail.com			
3	ddv	vc	gg@gmail.com			
4	ccc	dddd	aaa@gmail.com			
5	dfdv	cdv	rgf@gmail.com			
6	f	f	dffg@gmail.com			
7	fbfgbllllmm	kkm	llllllllll@gmail.com			
8	hjg	nhnb	juu@gmail.com			



Dream Studio Architecture Ltd.

Testing User

Clients

New Client

Fill Up Details

First Name *

Last Name *

Gender

Select gender

Mobile No.

Resident Address

Email Address *

Submit Details

Back to Client List

Testing User

All Lead Entry

TOTAL

7 Lead

PENDING

0 Lead

CONTACT TO CLIENT

4 Lead

REJECTED

3 Lead

Lead Entry List

Show 10 entries

Search:

Sr No.	Client Name	Client Email	Client Contact No.	Project Requirement	Description	Status	Action
1	hkuop	yjkpjykkpth@gmail.com	2147483647	Project	clb.ngld[modfmnog flcbnfldmgmp	Rejected	
2	aaaaaaaaaaaaaa	aaaaaaa@gmail.com	2147483647	Bungalow	dflbfmfsmlsmlsmlsvxl	Rejected	
3	aaaaaa	dfffbfoehkt@gmail.com	2147483647	Project	vflbomnherotjehnmotehrnp[hwhrohrw gnmowrhmnohwmb oorjrwiphjwroegnrsodgjeqio gjrwihriwggb fsgwrisgjrwiosfgbiirwj wiria wirsi a	Completed	



Dream Studio Architecture Ltd.

Testing User



DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

All Works



Task List

Show 10 entries

Search:

Sr No.	Task Name	Task Description	Task Assign To	Task Status
1	Unknown	Unknown Task Inserted. Unknown Task Inserted. Unknown Task Inserted	Mehul Panchal	Complete
2	Data	FDFDEFDFDFD	Darshan thummar	Complete
3	Floor Work	DFGDRE FBMFDNMDGVDRFBH MFB DSFCASWFGVEPADFKWGQPOEM OBGKAP[DEGM MFAEOFEDRKFWPQWPM FMBDEOKEWPRFKEGBVMO MOFGEOKEDGFV	Chintan Bhimani	Complete
4	here is here	FEDISGVN FBEGOEDFG OB BMBORFHE FGDMB ORBGMW ESQAFVGADBVGK	Chintan Bhimani	Complete
5	wowowowowwww	vdscdfdsbvd cv fbv dfcbv dc c	Chintan Bhimani	Not Started

Testing User



Head Of Departments

NO. OF HOD
8

HOD List

Show 10 entries

Search:

Sr No.	First Name	Last Name	Department
1	Ab	cd	IT
2	Aalok	Agarval	Interior
3	Kiran	Manek	MDO
4	kjujyhjnyh	nhnnn	MDO
5	p	p	Architecture
6	zzz	zzz	MDO
7	Nirali	Patel	Finance
8	zzz	zzzz	IT



Dream Studio Architecture Ltd.

Testing User

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

All Expenses

+ Add Expenses

TOTAL AMOUNT OF EXPENSES
2

CONFORMED

Sr No.	Exp. Name	Exp. Amount	Exp. Date	Action
1	pen	500 ₹	1000-12-02	⋮
2	gntdgnhdgnb	8552 ₹	2000-12-05	⋮

Showing 1 to 2 of 2 entries

Previous 1 Next

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

New Expenses

All Expenses

Fill Up Details

Expenses Name *

Expenses Amount *

Expenses Date *

 mm/dd/yyyy

Expenses Bill Picture *

 Choose File No file chosen

Submit Details Back to Expenses List



Dream Studio Architecture Ltd.

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

All Leaves

+ Leave Application

TOTAL 12 Leaves

APPROVED 4 Leaves

PENDING 6 Leaves

DECLINED 2 Leaves

Sr. No	Employee Name	Leave Type	Applied On	Current Status	Actions
1	Ab cd	holy	2023-03-13	Pending	⋮
2	Testing User	g	2023-03-25	Pending	⋮
3	Testing User		2023-03-10	Decline	⋮
4	Testing User	diwali	2023-03-27	Approved	⋮
5	Testing User	holy	2023-03-25	Pending	⋮
6			2023-03-10	Pending	⋮

Leave Application

All Leave

Fill Up Details

Leave Type *

Select Leave Type

Leave Description

Starting Date * mm/dd/yyyy

Ending Date * mm/dd/yyyy

Submit Details Back to Leave List



Dream Studio Architecture Ltd.

Testing User



DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

Pending Leaves

Pending Leaves

Show 10 entries

Search:

Sr. No	Employee Name	Leave Type	Applied On	Current Status	Actions
1	Ab cd	holy	2023-03-13	Pending	⋮
2	Testing User	g	2023-03-25	Pending	⋮
3	Testing User	holy	2023-03-25	Pending	⋮
4			2023-03-10	Pending	⋮
5			2023-03-10	Pending	⋮
6	Testing User	c	2023-03-25	Pending	⋮

Showing 1 to 6 of 6 entries

Previous **1** Next

Testing User



DS ARCHITECTURE

- [Dashboard](#)
- [Employee](#)
- [Application Users](#)
- [Leave Types](#)
- [Projects](#)
- [Clients](#)
- [Lead Entry](#)
- [Task Management](#)
- [Head Of Departments](#)
- [Expenses](#)
- [Leave Management](#)

Approved Leaves

Approved Leaves

Show 10 entries

Search:

Sr. No	Employee Name	Leave Type	Applied On	Current Status	Actions
1	Testing User	diwali	2023-03-27	Approved	⋮
2	Chintan Bhimani	holy		Approved	⋮
3	Chintan Bhimani		2023-03-06	Approved	⋮
4	Chintan Bhimani		2023-03-06 15:46:24	Approved	⋮

Showing 1 to 4 of 4 entries

Previous **1** Next



Dream Studio Architecture Ltd.

Testing User



DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

DS ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

Declined Leaves

Declined Leaves

Show 10 entries

Search:

Sr. No	Employee Name	Leave Type	Applied On	Current Status	Actions
1	Testing User		2023-03-10	Decline	⋮
2	Chintan Bhimani	holy	2023-03-06	Decline	⋮

Showing 1 to 2 of 2 entries

Previous 1 Next

Testing User



Testing User

Profile Information



Full Name: Testing User
Email Address: test@gmail.com
Contact No: 1234567890
Department: Admin
Designation: Administrator

Personal Information

Description: -
Gender: Male
Date Of Birth: 2020-01-01
Address: -
Head Of Department: -
Joining Date: 2020-01-01



Dream Studio Architecture Ltd.

Testing User



DS
ARCHITECTURE

- Dashboard
- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

Change Password

Fill Up Details

Old Password *

New Password *

Confirm Password *

Change Password



Password Reset

name@example.com

Send OTP

Login With Password



Dream Studio Architecture Ltd.

Aalok Agarwal



DS ARCHITECTURE

Dashboard

Employees

Projects

Clients

Task Management

Leave Application

Leave Management >

New Task For Home Villa

All Task

Fill Up Details

Task Name *

Task Description *

Task Assign To *

Select Employee

Submit Details

Back to Project

Aalok Agarwal



DS ARCHITECTURE

Dashboard

Employees

Projects

Clients

Task Management

Leave Application

Leave Management >

New Progress For: Home Villa

Fill Up Details

Subject *

Date *

mm/dd/yyyy

Start Time *

--:--

End Time *

--:--

Comment/Progress Description *

Submit Details

Back to Project



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Work Collector

Projects

Leave Application

Leave Management >

TOTAL
9 Work

PENDING
2 Work

Start or Submit Work

Are you sure want to commit changes?

No Yes

Task List

Show 10 entries

Search:

Sr No.	Task Name	Task Description	Task Assign From	Task Status	Actions
1	Floor Work	DFGDRE FBMFDNMDGVDRFBH MFB DSFCASWFGVPEPADFKWGQPOEM OBGKAP[DEGM MFAEOFEDRKFQWPM FMBDEOFKEWPRFKEGBVMO MOFGEOKEDGFV	Kiran Manek	Complete	⋮
2	here is here	FEDISGVN FBEGOEDFG OB BMBORFHE FGDMB ORBGMW ESQAFVGADBVGK	Ab cd	Complete	⋮
3	wowowowowowo	vdscdfdsbvd cv fbv dfcbv dc c	Ab cd	In Progress	⋮
4	map	objngpdfbjgpdbnjp	Ab cd	Not Started	⋮
5	GDFSGVDFS	BVGFBGFBGBVFCXDHTGYDN HB NGYHMJTHEWRWASEGR6KIOIUTDGFSEDRGFDAZSF	Aalok Agarwal	Complete	⋮
6	fwedsvgdfsgbv	dfdfsbhg rfhr reghrhrgedhbfrtgrgrffg	Ab cd	Not Started	⋮
7	dsd	sdsdswdswdswdswdw	Aalok Agarwal	Complete	⋮

DS ARCHITECTURE

Dashboard

Work Collector

Projects

Leave Application

Leave Management >

Chintan Bhimani

Floor Work

All Works

Task Information

Task Name:	Floor Work
Project Name:	House Of Rare Flat
Task Description:	DFGDRE FBMFDNMDGVDRFBH MFB DSFCASWFGVPEPADFKWGQPOEM OBGKAP[DEGM MFAEOFEDRKFQWPM FMBDEOFKEWPRFKEGBVMO MOFGEOKEDGFV
Task Assign From:	
Task Assign To:	Chintan Bhimani
Task Status:	Complete

Members Progress/Activity

Chintan Bhimani [Floor Work]
Date: 2023-03-03
Subject: Data User
sdsawcdfadesvasfc
Start: 12:00 PM End: 07:00 PM

Chintan Bhimani [Floor Work]



Dream Studio Architecture Ltd.

DS ARCHITECTURE

Dashboard

- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

All Employees

TOTAL 28 Employees

CONFIRMED 14 Employees

INTERNS 5 Employees

+ Add Employee

Emp Code	Full Name	Email	Joining Date	Leaving Date	Department	Designation	Action
4	pari Chopra	pari07@gmail.com	2020-01-01		IT	Senior Developer	⋮
5	Rahul Makvana	rahul111@gmail.com	2020-01-01		MDO	MDO Staff	⋮
10	Akshay Kaneriya	akshay@gmail.com	2020-01-01		IT	Intern	⋮
15	Mayank Virani	mayank@gmail.com	2020-10-09		Engineer	Engineer	⋮
20	Aalok Agarval	aalok@gmail.com	2020-01-01		Interior	HOD	⋮
21	Mayuri Gami	mayu@gmail.com	2020-01-01		Interior	Intern	⋮

DS ARCHITECTURE

Dashboard

- Employee
- Application Users
- Leave Types
- Projects
- Clients
- Lead Entry
- Task Management
- Head Of Departments
- Expenses
- Leave Management

New Employee

Employee Code: 51

Fill Up Details

First Name *

Last Name *

Gender * Select Gender Date Of Birth * mm/dd/yyyy Mobile No. *

Description

Email Address *

Resident Address

Department * Select Department Designation * Select Designation

Employee



Dream Studio Architecture Ltd.

Testing User

+ Add Employee

All Employees

Are you sure want to remove employee permanently?

TOTAL 28 Employees

No Yes

INTERNS 5 Employees

Employee List

Emp Code	Full Name	Email	Joining Date	Leaving Date	Department	Designation	Action
4	pari Chopra	pari07@gmail.com	2020-01-01		IT	Senior Developer	⋮
5	Rahul Makvana	rahul111@gmail.com	2020-01-01		MDO	MDO Staff	⋮
10	Akshay Kaneriya	akshay@gmail.com	2020-01-01		IT	Intern	⋮
15	Mayank Virani	mayank@gmail.com	2020-10-09		Engineer	Engineer	⋮
20	Aalok Agarval	aalok@gmail.com	2020-01-01		Interior	HOD	⋮
21	Mayuri Gami	mayu@gmail.com	2020-01-01		Interior	Intern	⋮

Testing User

+ Add User

All Users

Users List

Sr No.	Full Name	Email	Access Type	Actions
1	Ab cd	abcd@gmail.com	HOD	⋮
2	Akshay Kaneriya	akshay@gmail.com	Employee	⋮
3	Aalok Agarval	aalok@gmail.com	HOD	⋮
4	hiren Patel	hiren@gmail.com	Engineer	⋮
5	Khushbu Jasani	khushbu@gmail.com	Employee	⋮
6	ff	hh@gmail.com	Employee	⋮
7	Nensi Patel	nensi@gmail.com	Employee	⋮
8	Pratiksha Chopra	pari@gmail.com	Employee	⋮



4. TESTING

➤ **Introduction:**

Testing is very important and critical to the success of any project that aims at delivering working software. There are many types of testing that a system may be subjected to, however only the ones in the testing objectives will be carried out for this system.

➤ **Scope:**

The overall purpose of testing is to ensure the Employee Management System meets all of its functional and business requirements. The purpose of this chapter is to describe the overall test plan and strategy for testing the system.

➤ **Testing Goals:**

The goals in testing this system include validating the quality, usability, reliability and performance of the application. Testing will be performed from a black-box approach. Tests will be designed around requirements and functionality.

➤ **Confirmation Testing:**

Confirmation testing or re-testing: When a test fails because of the defect then that defect is reported and a new version of the software is expected that has had the defect fixed. In this case we need to execute the test again to confirm that whether the defect got actually fixed or not.

This is known as confirmation testing and also known as re-testing. It is important to ensure that the test is executed in exactly the same way it was the first time using the same inputs, data and environments.

Hence, when the change is made to the defect in order to fix it then confirmation testing or re-testing is helpful.



➤ **Regression Testing:**

During confirmation testing the defect got fixed and that part of the application started working as intended. But there might be a possibility that the fix may have introduced or uncovered a different defect elsewhere in the software. The way to detect these 'unexpected side-effects' offices is to do regression testing.

The purpose of a regression testing is to verify that modifications in the software or the environment have not caused any unintended adverse side effects and that the system still meets its requirements.

Regression testing are mostly automated because in order to fix the defect the same test is carried out again and again and it will be very tedious to do it manually. Regression tests are executed whenever the software changes, either as a result of fixes or new or changed functionality.

➤ **Test Plan and Result:**

The Test Plan is derived from the Requirements, Functional Specifications, and detailed Design Specifications. The Test Plan identifies the details of the tests, identifying the associated test case areas within the product.



4.1 Unit Testing

Test Case	Test Purpose	Test Condition	Executed Outcome	Actual Result
Login	Check Username and password	If user details are not correct, display error message	Grant Access to the application Main system	User successfully login in to the system upon submission of correct login credentials.
Add new Employee	To ensure that a new Employee is added to the system successfully.	If Employee already exists in the system, error message should display.	New employee should be successfully added to the system.	If email address entered already exists in the system, error message is displayed. If the email address of the new employee does not exist in the system, new employee is successfully added.
Edit employee details	To ensure that once different details are provided on the edit employee details form and submitted, these details are altered in the database to	On the edit employee details form provide different information from what is currently being displayed.	When the form is altered the details should be altered in the database and a confirmation message of the change should be displayed.	Once the data in the form is altered and the submit button clicked the details in the database are altered and a confirmation



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	reflect the recent changes.			message of the change is displayed.
Add new User	To ensure that a new User is added to the system successfully.	If User already exists in the system, error message should display.	New User should be successfully added to the system.	If email address entered already exists in the system, error message is displayed. If the email address of the new user does not exist in the system, new user is successfully added.
Edit user details	To ensure that once different details are provided on the edit user details form and submitted, these details are altered in the database to reflect the recent changes.	On the edit user details form provide different information from what is currently being displayed.	When the form is altered the details should be altered in the database and a confirmation message of the change should be displayed.	Once the data in the form is altered and the submit button clicked the details in the database are altered and a confirmation message of the change is displayed.



Dream Studio Architecture Ltd.

Apply leave	To test if all employees can successfully apply for leave	Whenever an employee applies for leave, information as well as attachments should be submitted to the HR manager	Leave request should be sent when all required fields are submitted and necessary documents have been attached to the request	Leave request is submitted as required and a message of success is displayed
Create project	Test if a Head of Department can create a project and later assign a project team	Whenever a project is created, HOD should be able to assign project team and view members	A project should be created as well as coming up with a project team and WBS	Project is created and HOD can view the project team



4.2 Integration Testing

Integration testing is any type of software testing that seeks to verify the interfaces between components against a software design. Software components may be integrated in an iterative way or all together ("big bang").

Normally the former is considered a better practice since it allows interface issues to be located more quickly and fixed. Integration testing works to expose defects in the interfaces and interaction between integrated components (modules). Progressively larger groups of tested software components corresponding to elements of the architectural design are integrated and tested until the software works as a system.



4.3 System Testing

System testing, or end-to-end testing, tests a completely integrated system to verify that it meets its requirements. For example, a system test might involve testing a logon interface, then creating and editing an entry, plus sending or printing results, followed by summary processing or deletion (or archiving) of entries, then logoff.

In addition, the software testing should ensure that the program, as well as working as expected, does not also destroy or partially corrupt its operating environment or cause other processes within that environment to become inoperative (this includes not corrupting shared memory, not consuming or locking up excessive resources and leaving any parallel processes unharmed by its presence).



5. CONCLUSION

The aim of this chapter is to draw conclusions of the work done or achieved and to give an assessment of the completed system, discuss the Problems faced, limitations of the system and give future recommendations on how the system can be improved.

The software product produced was fairly good, it achieved most of the user requirements, the user interface is good and is very easy to navigate, and even novice users can find their way around the web application easily. The client-side validation is excellent. The lack of integration with a payroll system is the major drawback and the system was also unable to generate structured reports i.e., reports based on specific information the Human Resource is interested in.

The biggest challenge faced was getting hold of employee information for Human Resource. The project was initially aimed at implementing an HOD system but that proved to be a challenge because employee information is very critical. This led to the implementation of a generic system thereby drawing a few assumptions were possible meaning that requirements kept on changing as different views were put into consideration as compared to software which has a specific customer.

In the designed system, the HOD can generate a report containing all the employee information from personal profile, skills and educational background. Sometimes, the HOD may be looking for specific employee information e.g., educational background, technical skills or language and location in cases where a transfer is to be made, this poses a challenge because the HR will always have to generate a portion of all the information about an employee, some of which may be not be needed.



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The head of department creates a project and assigns tasks to a project team therefore he becomes the project manager. This brings about a challenge in cases where a project must be managed by an employee that does not have the role of head of department.

In this chapter, the results were discussed, problems faced and limitations were elaborated. Future recommendations for the extension and improvement of the system have also been discussed as well as an assessment of achieved functionality.



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