



**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
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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** and **3379** have satisfactorily completed their 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 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

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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"> 1. Chintan Bhimani A. 2. Pratiksha Chopda B. 3. 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.

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

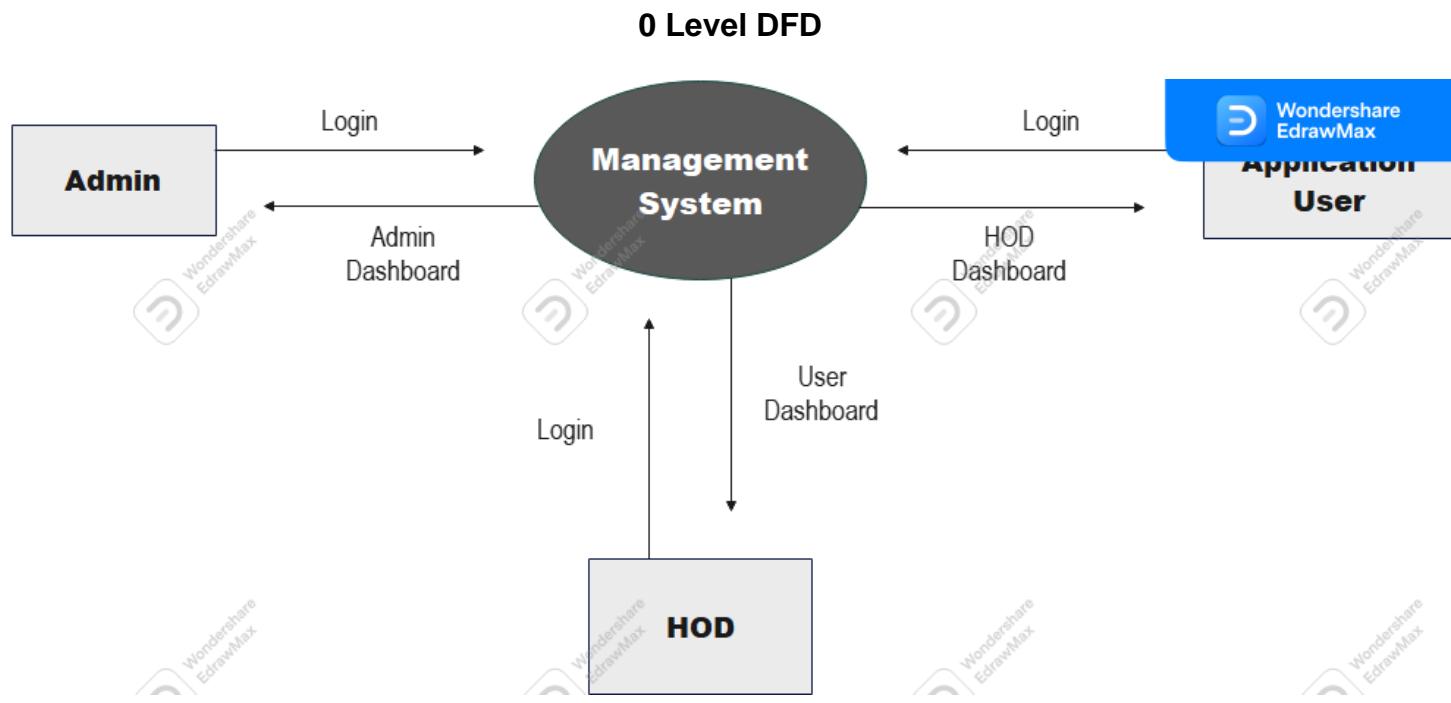
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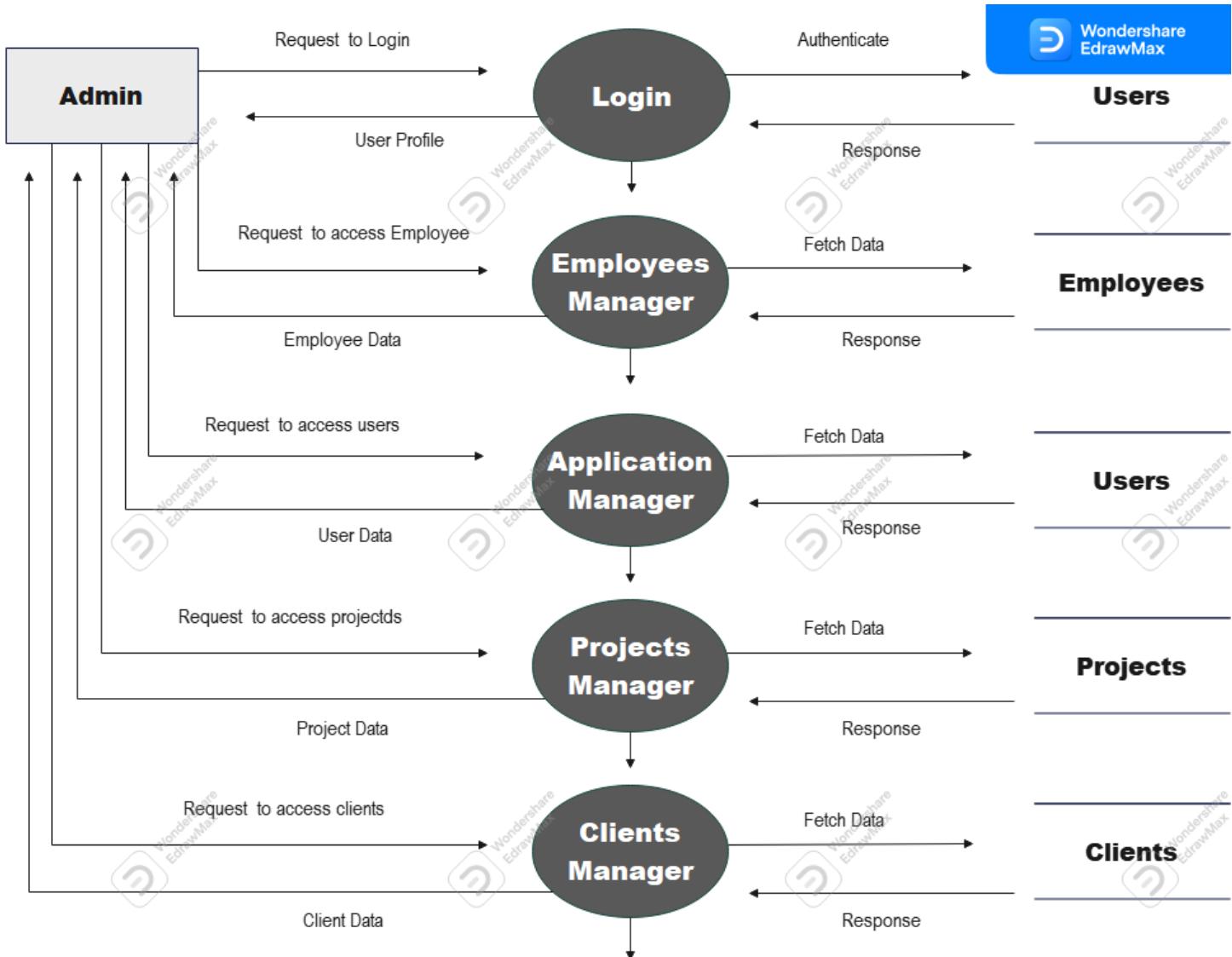
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3. DESIGNING

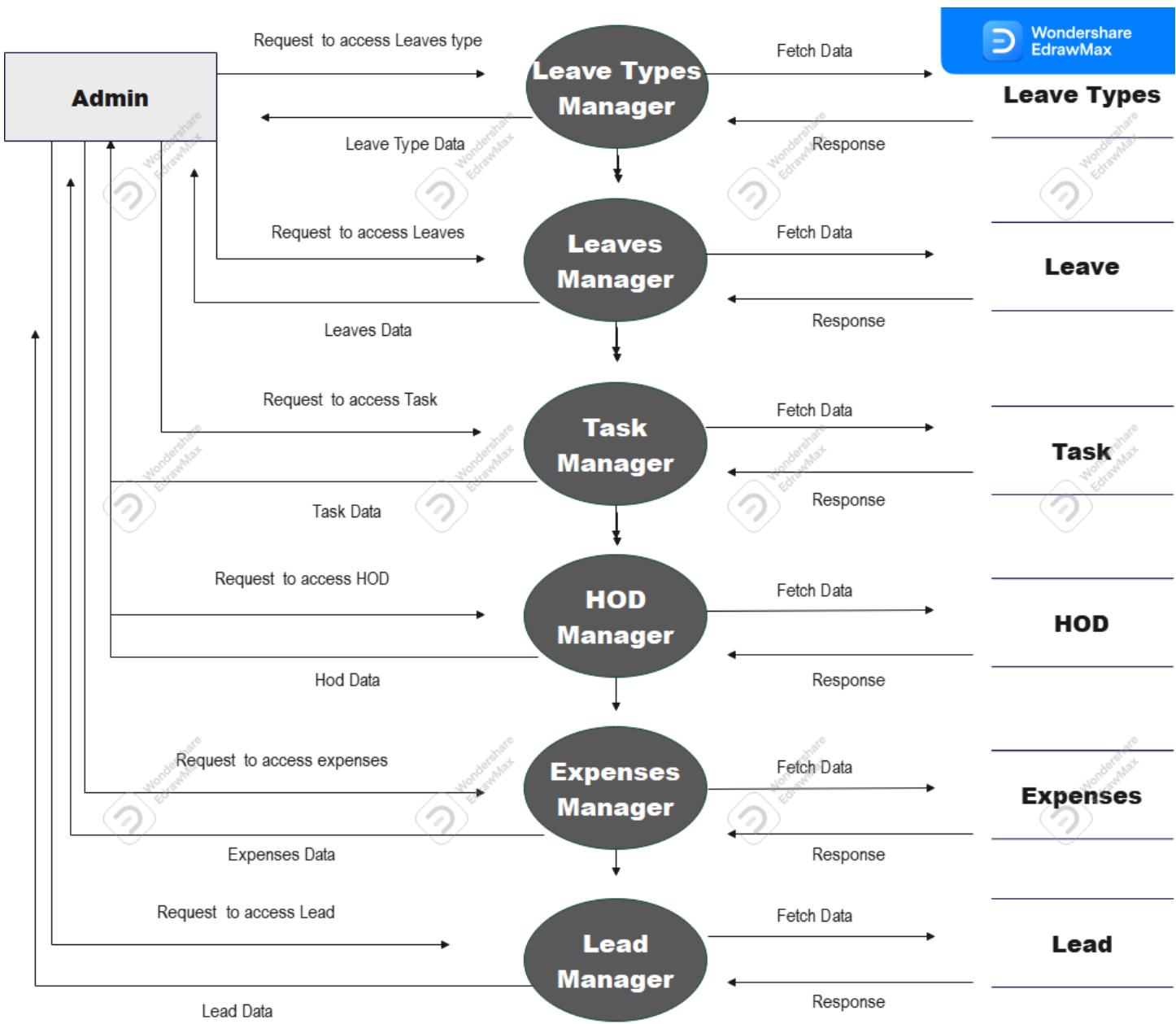
3.1 Data Flow Diagram



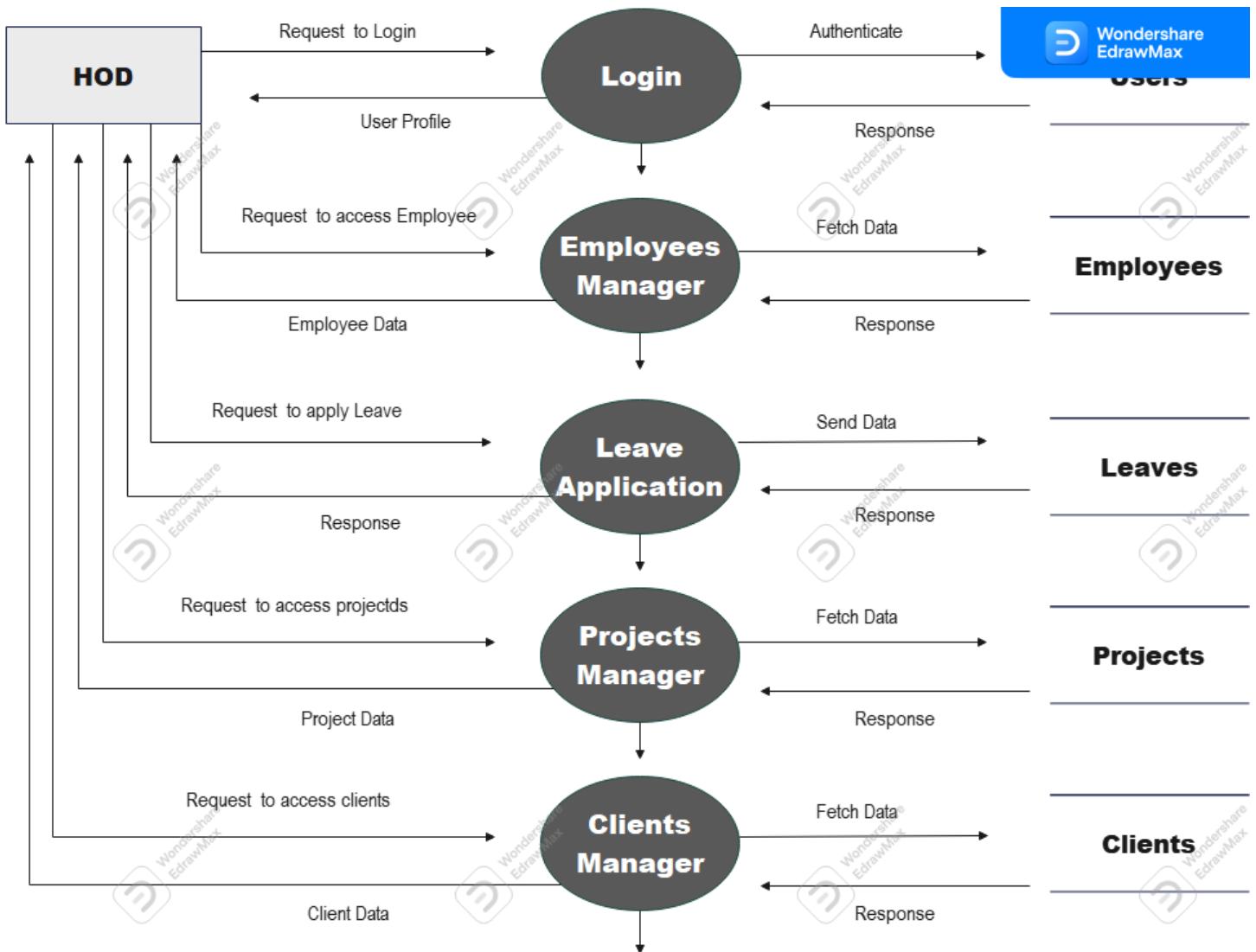
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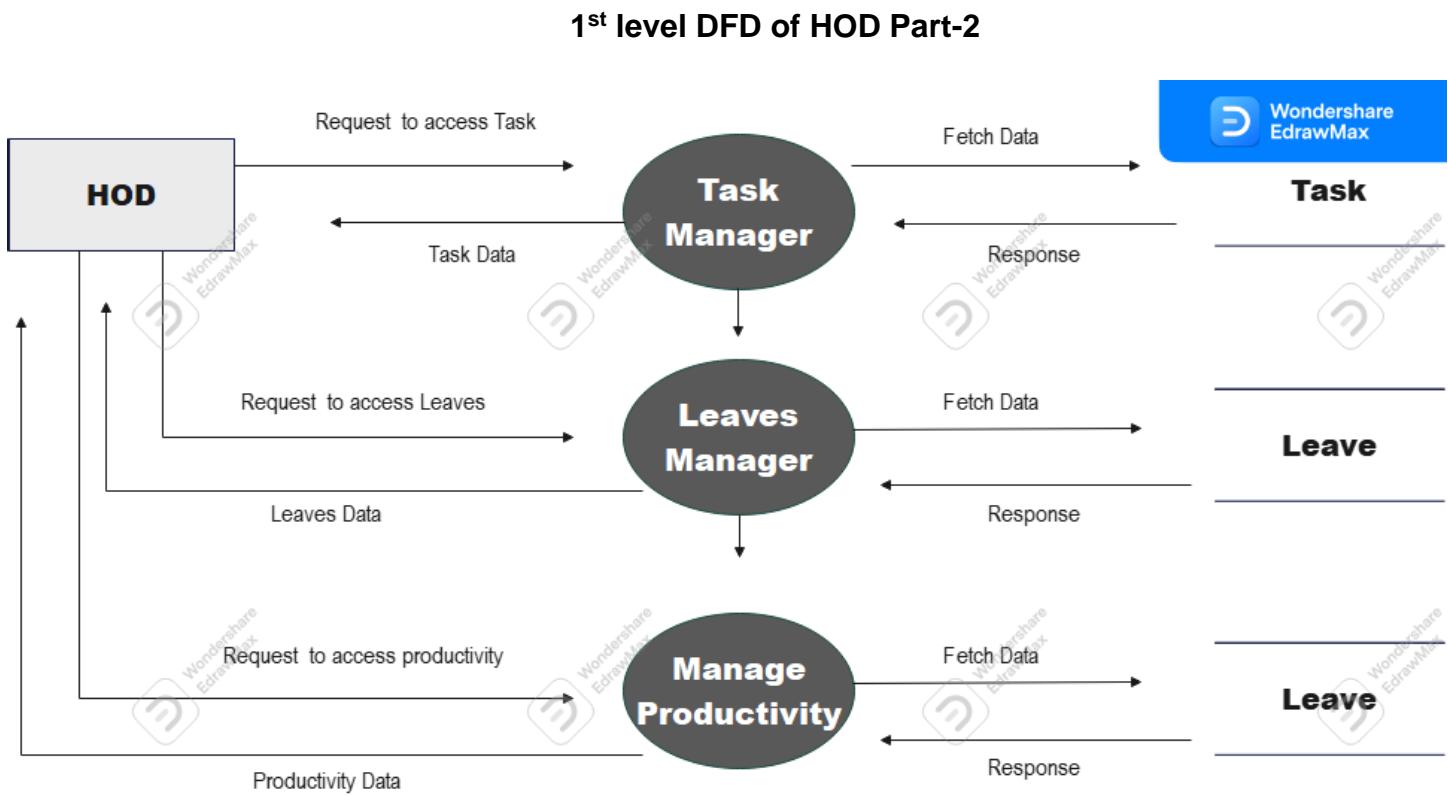


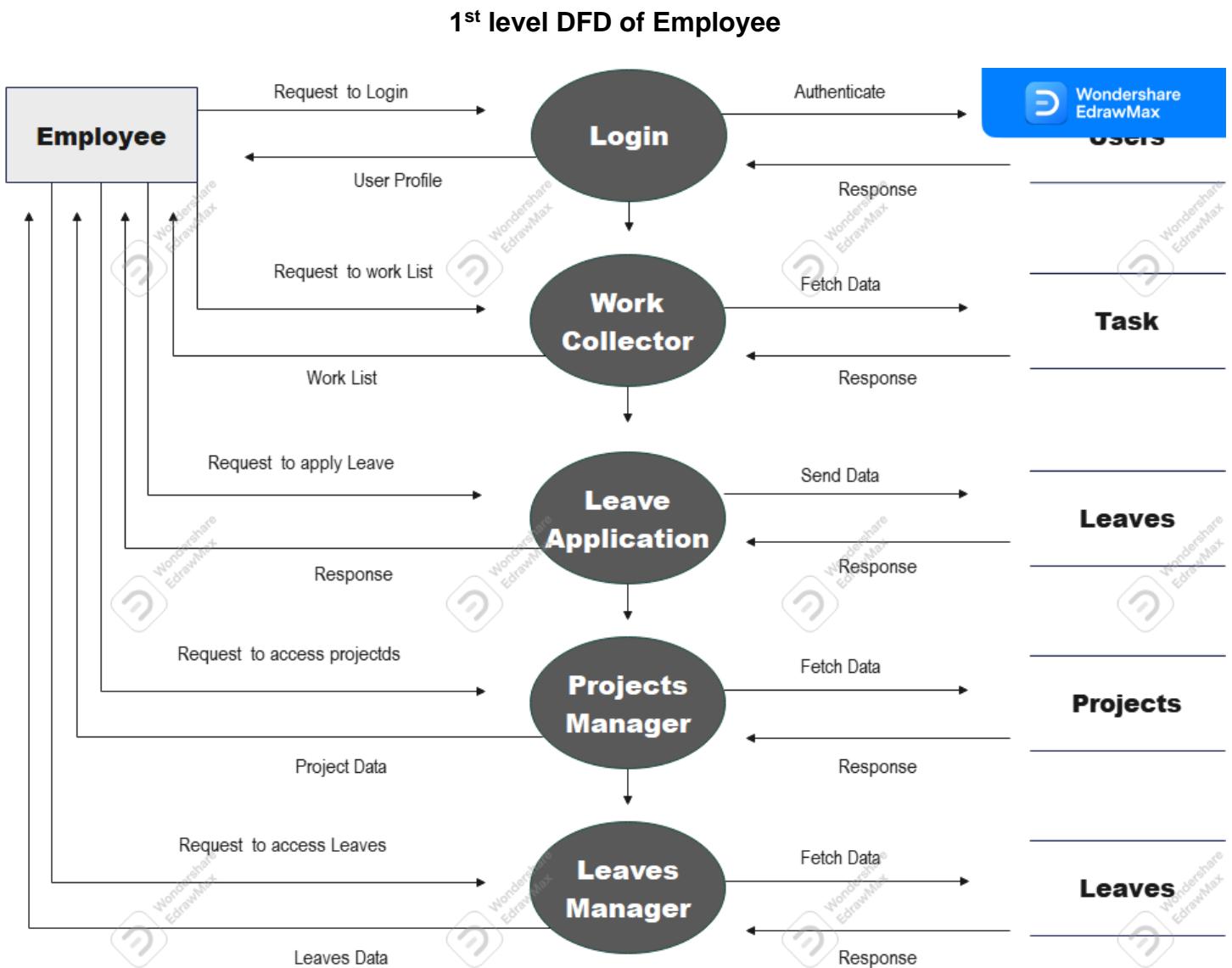
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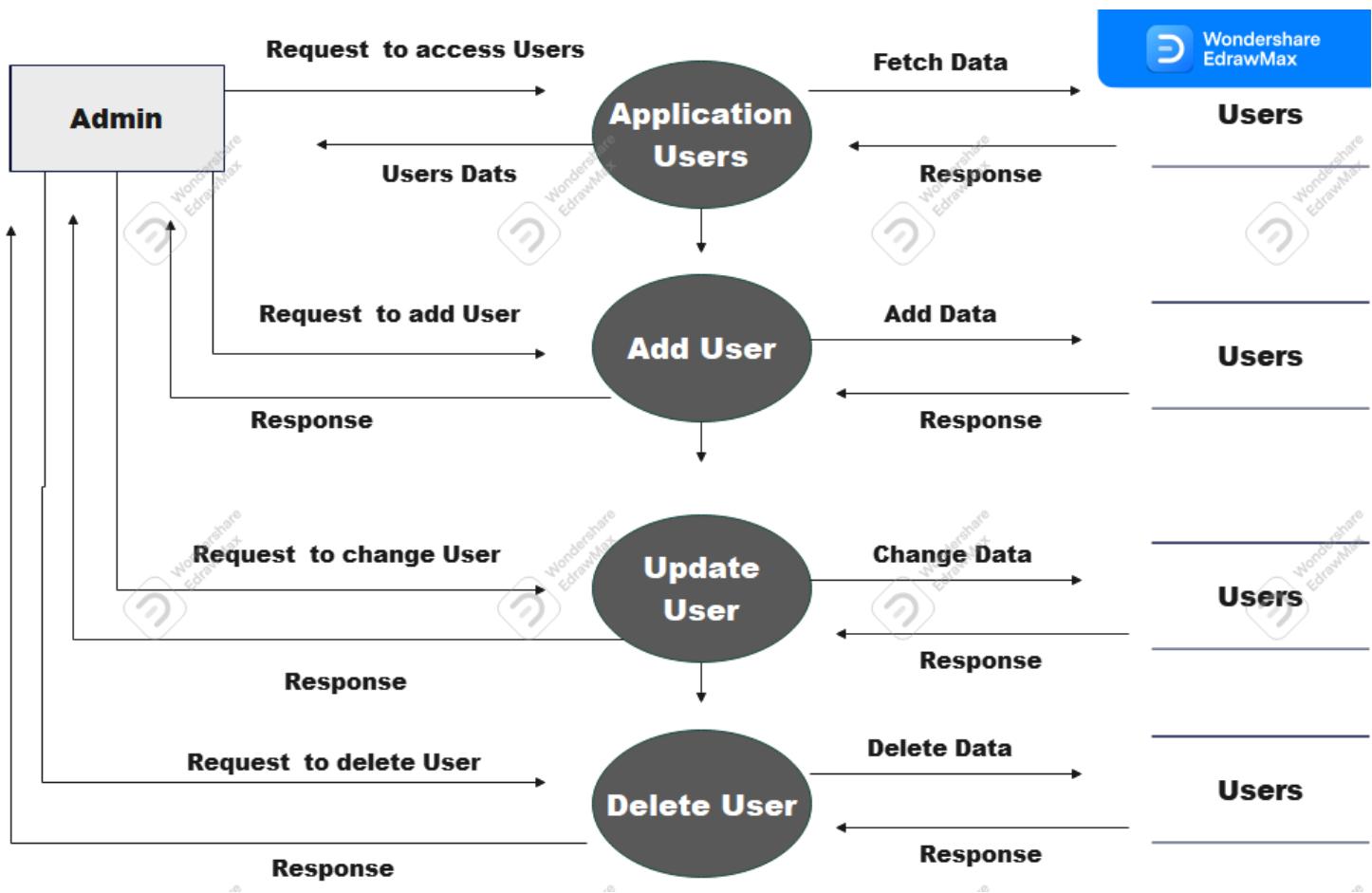
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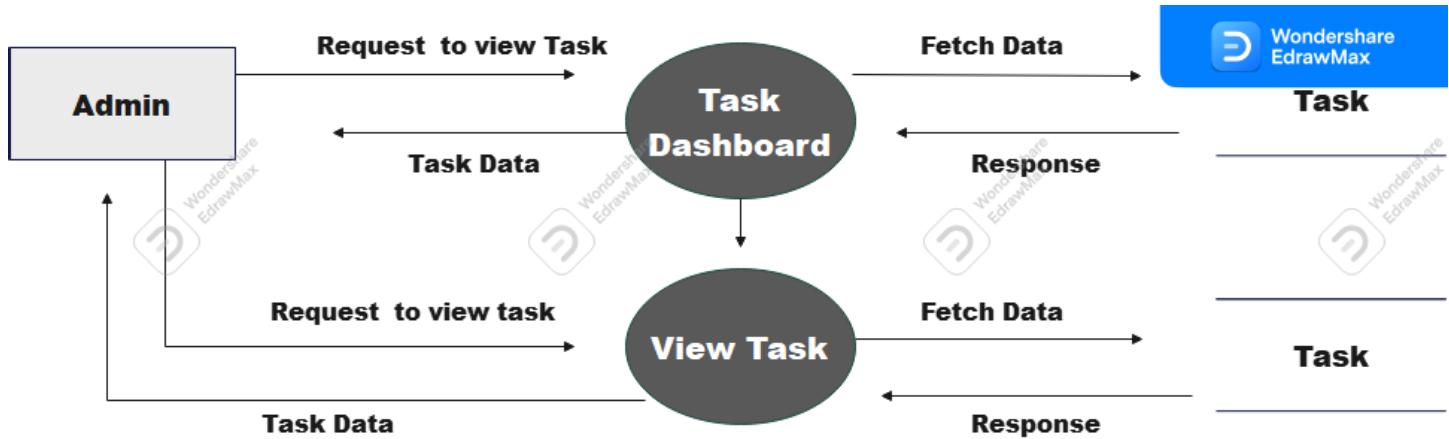




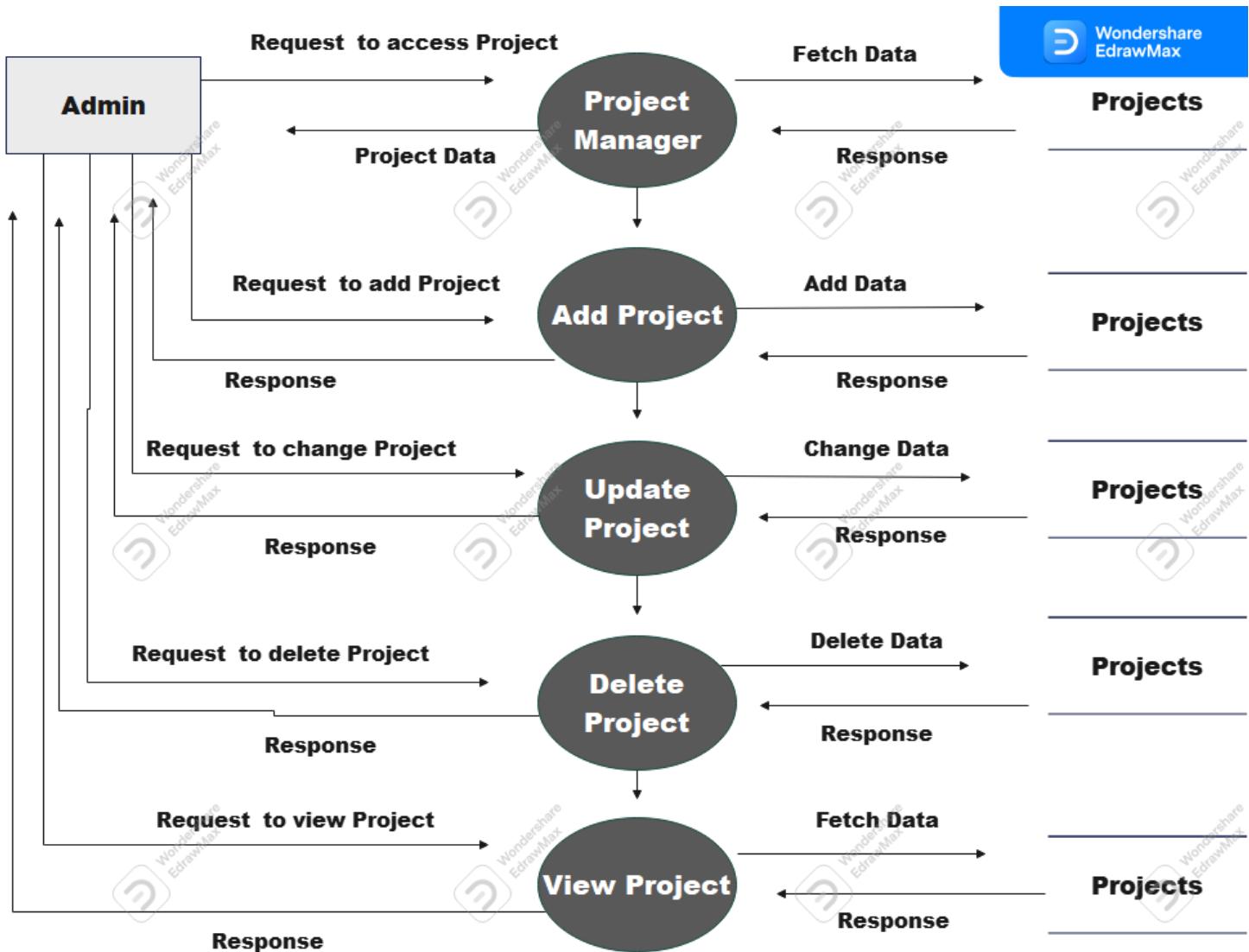
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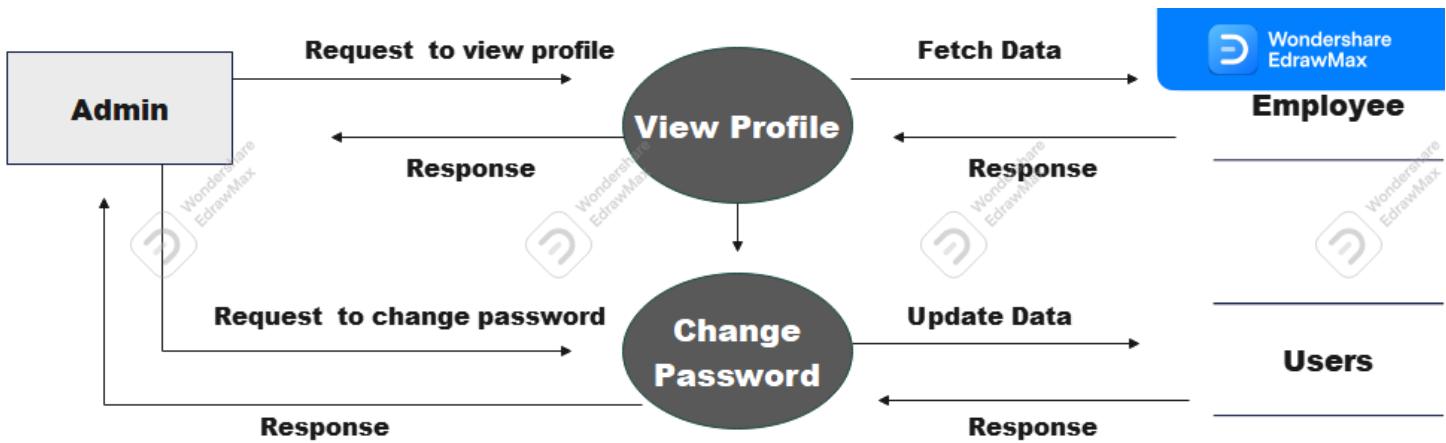
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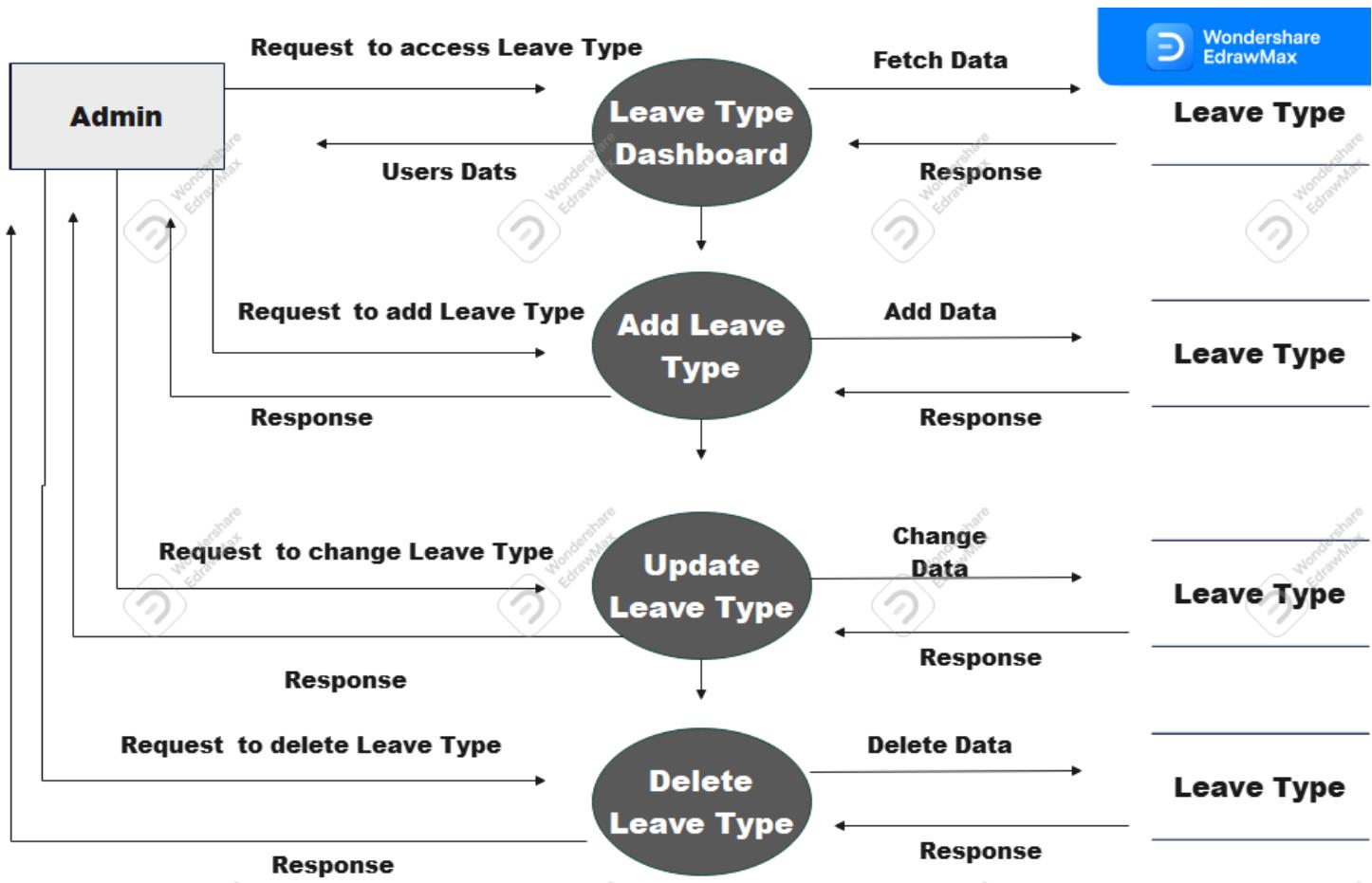
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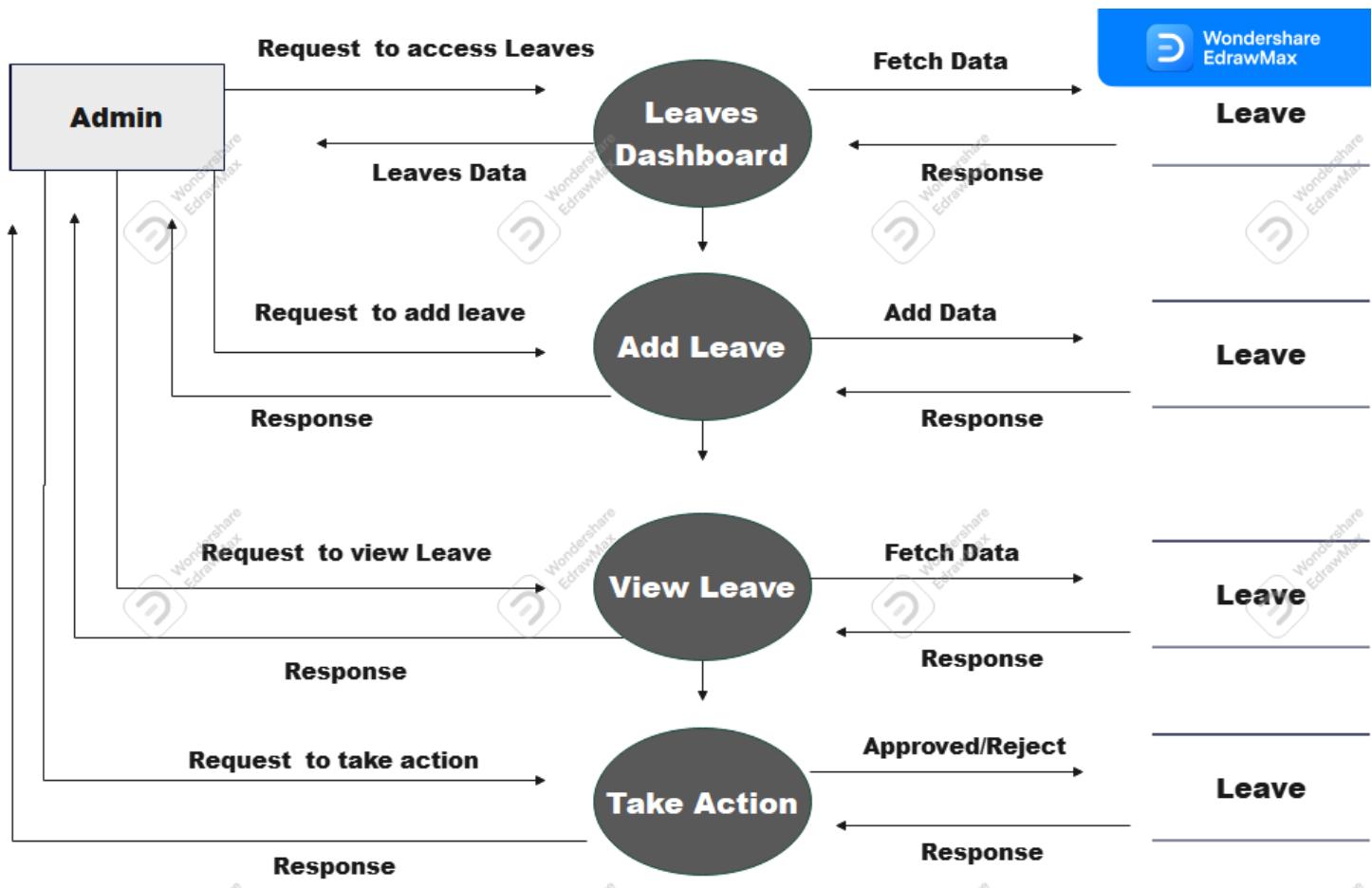
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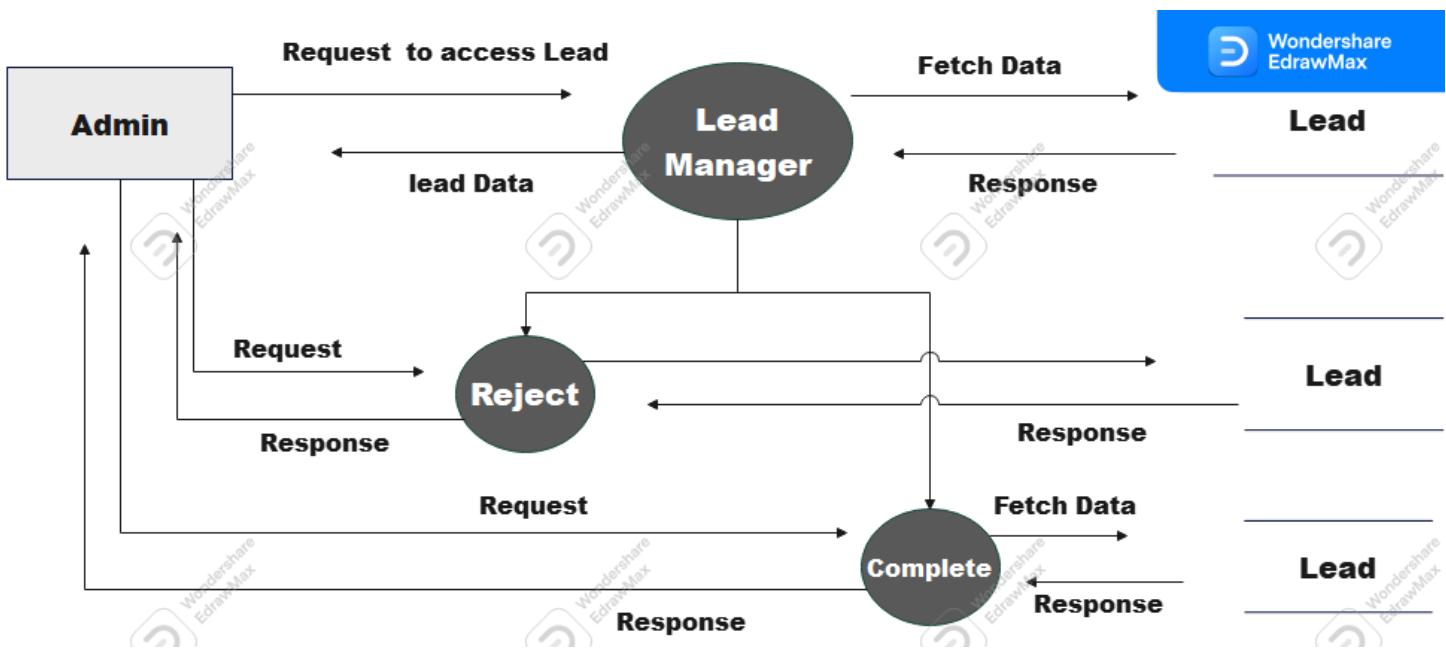
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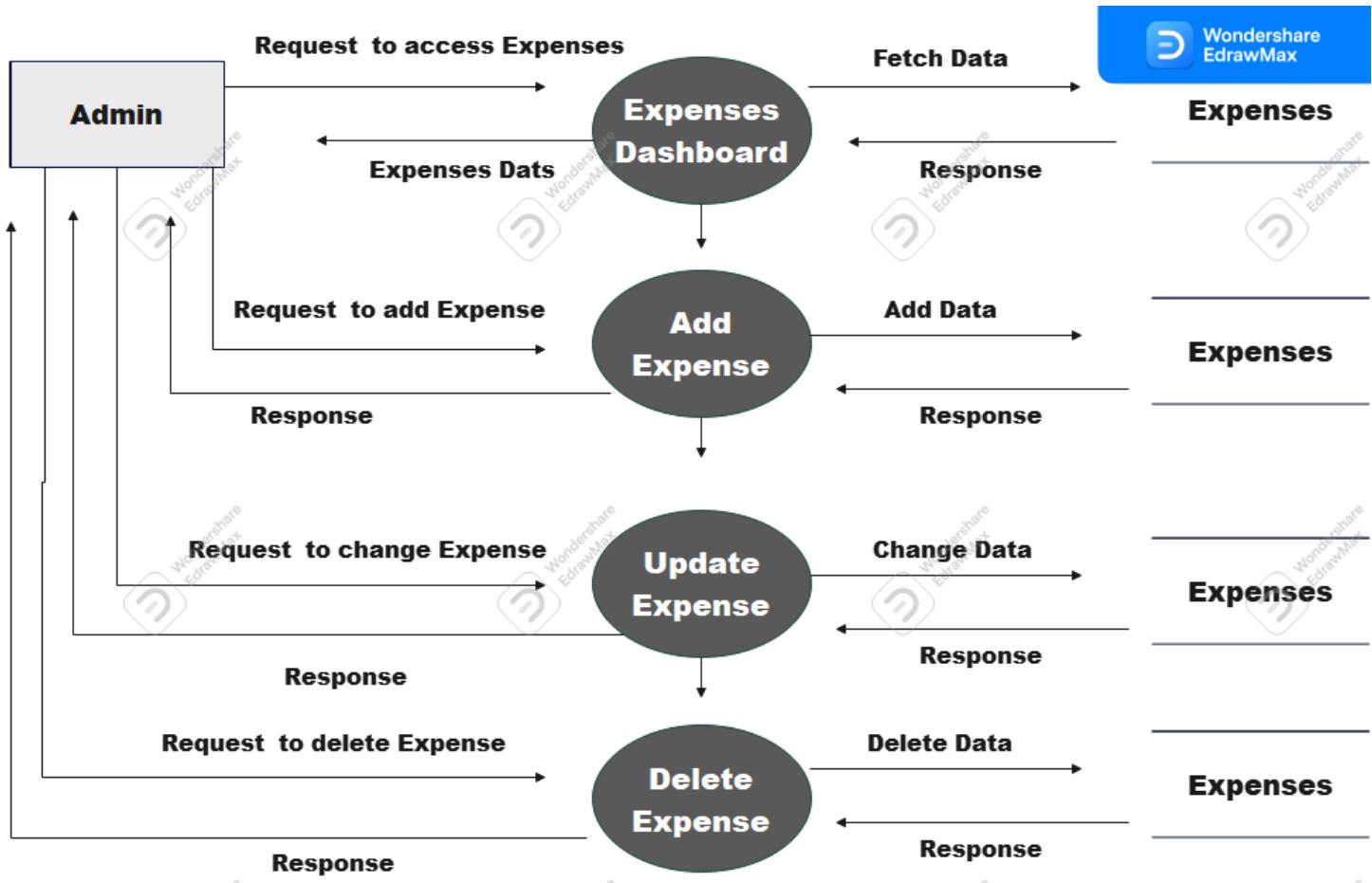
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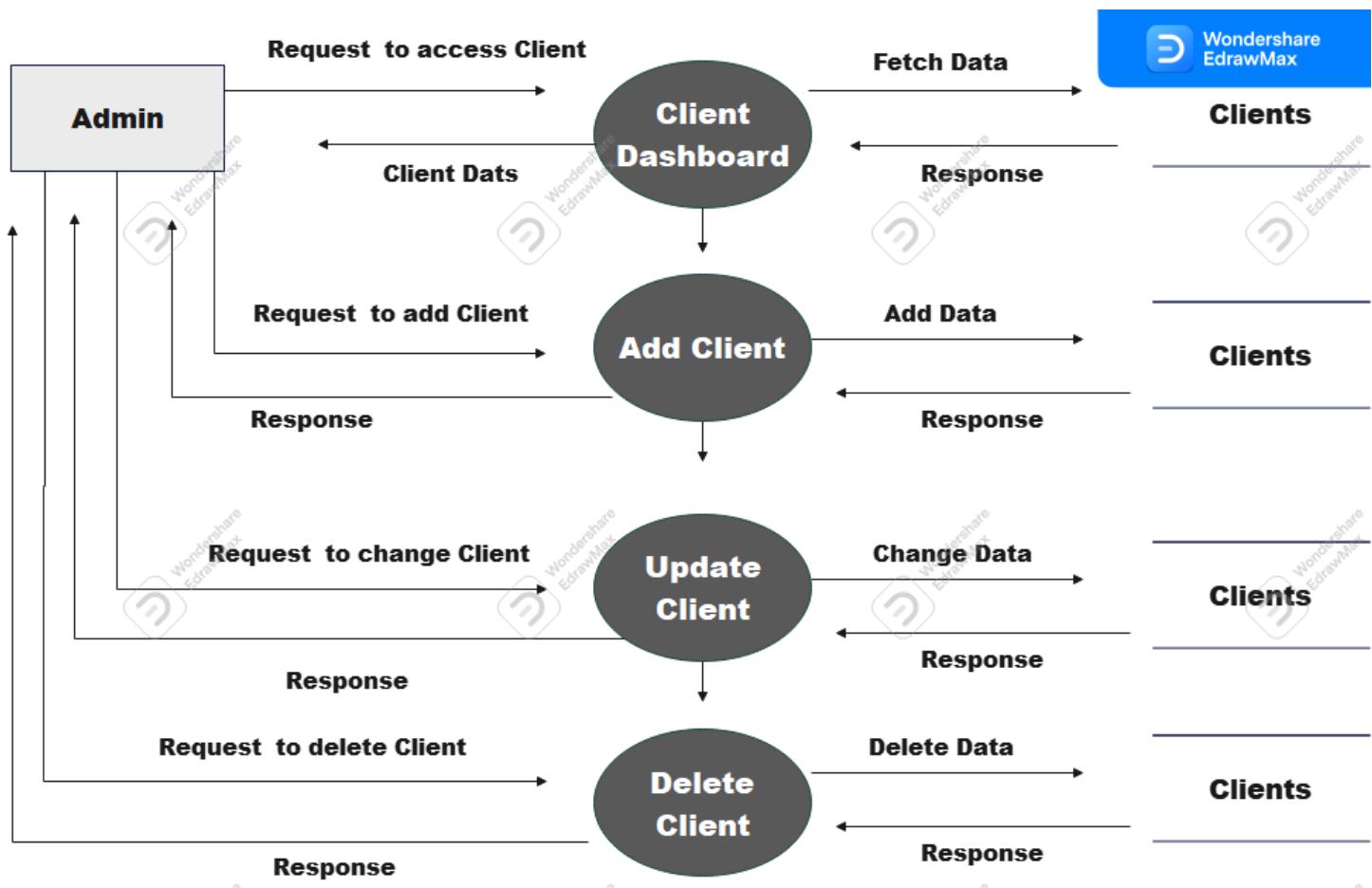
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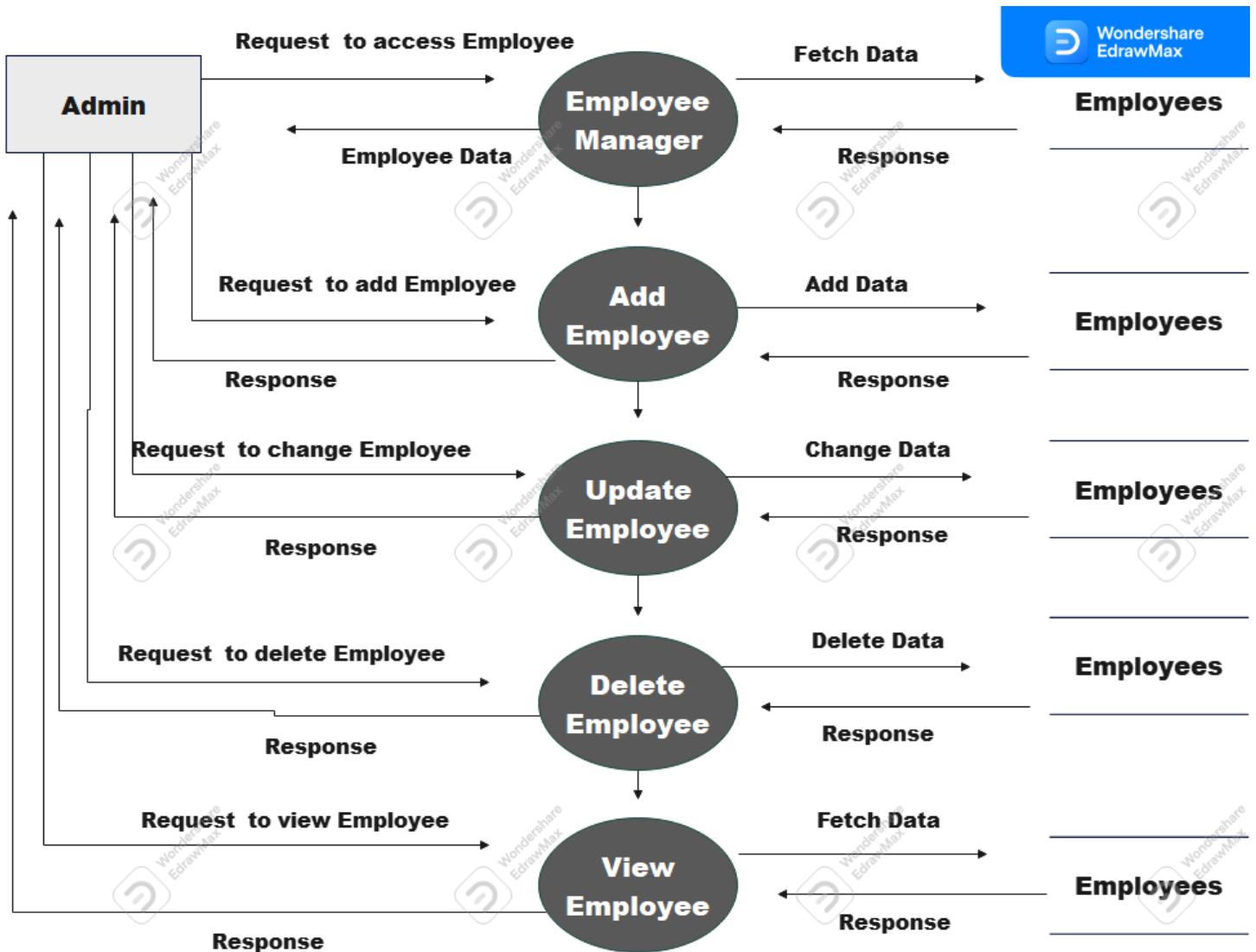
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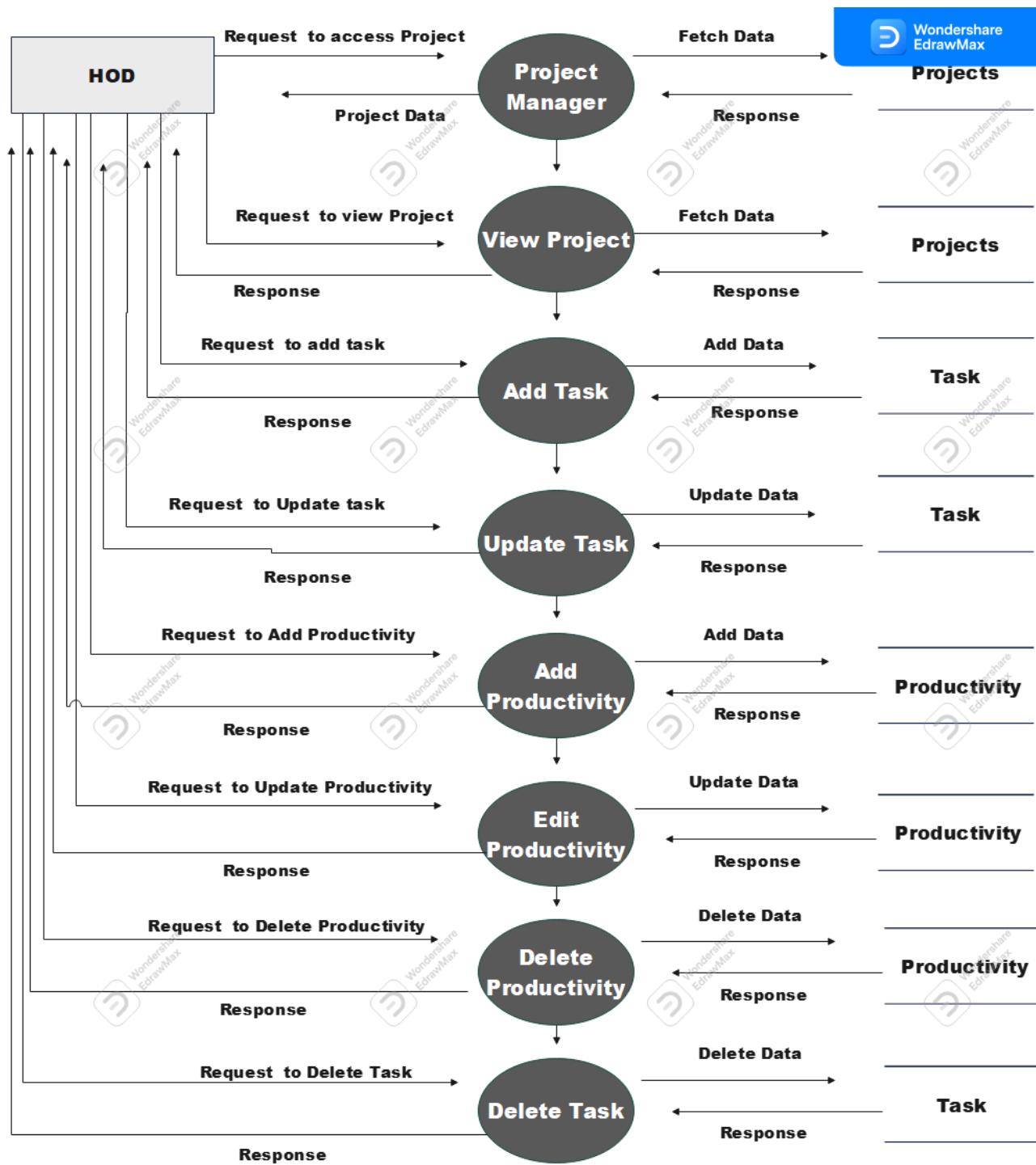
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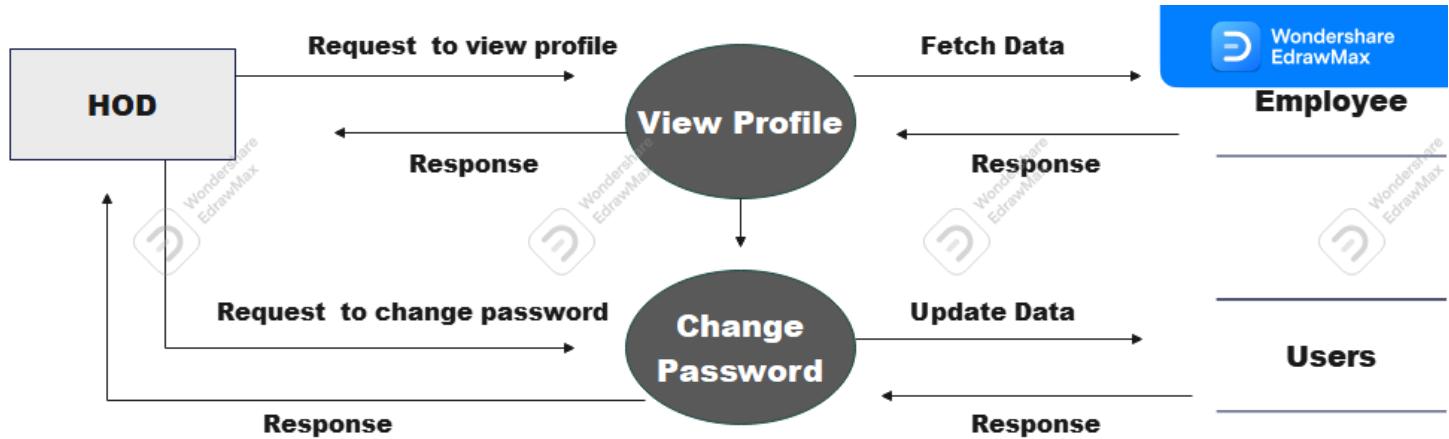
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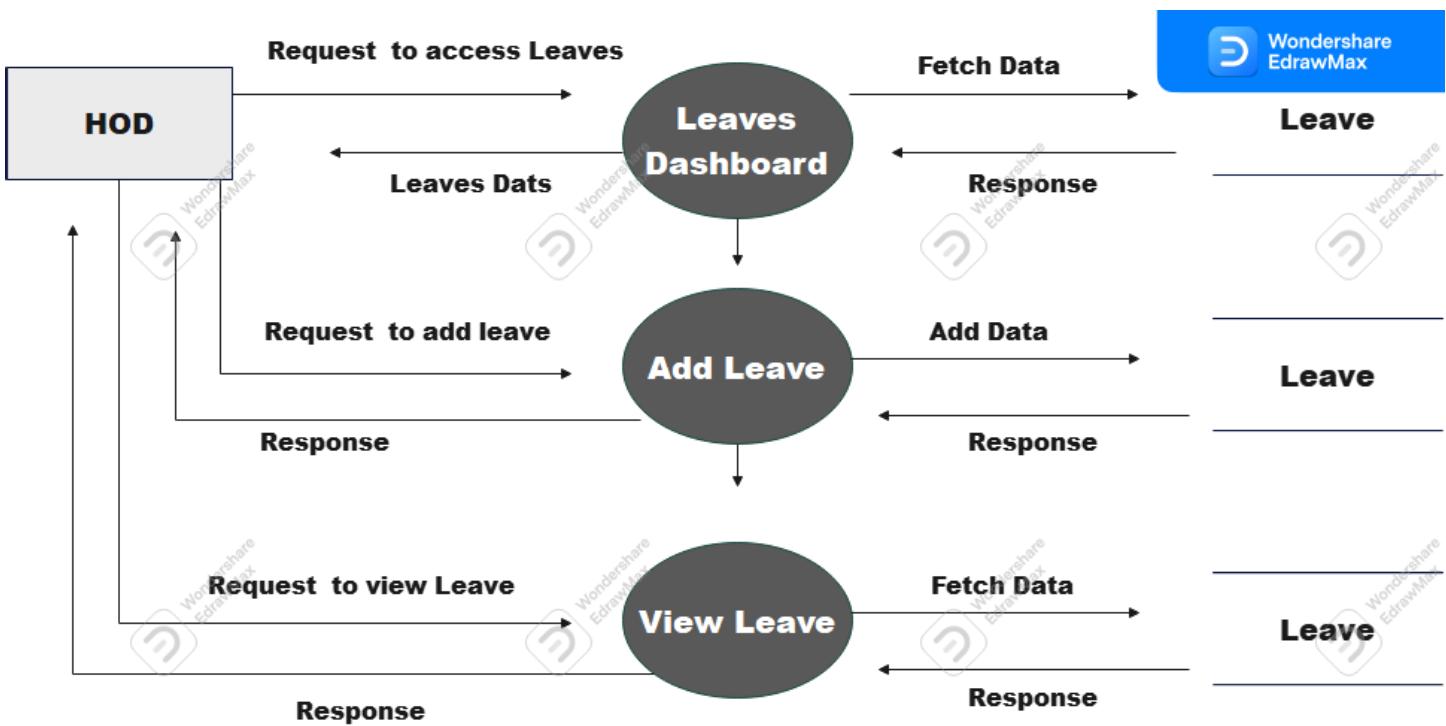
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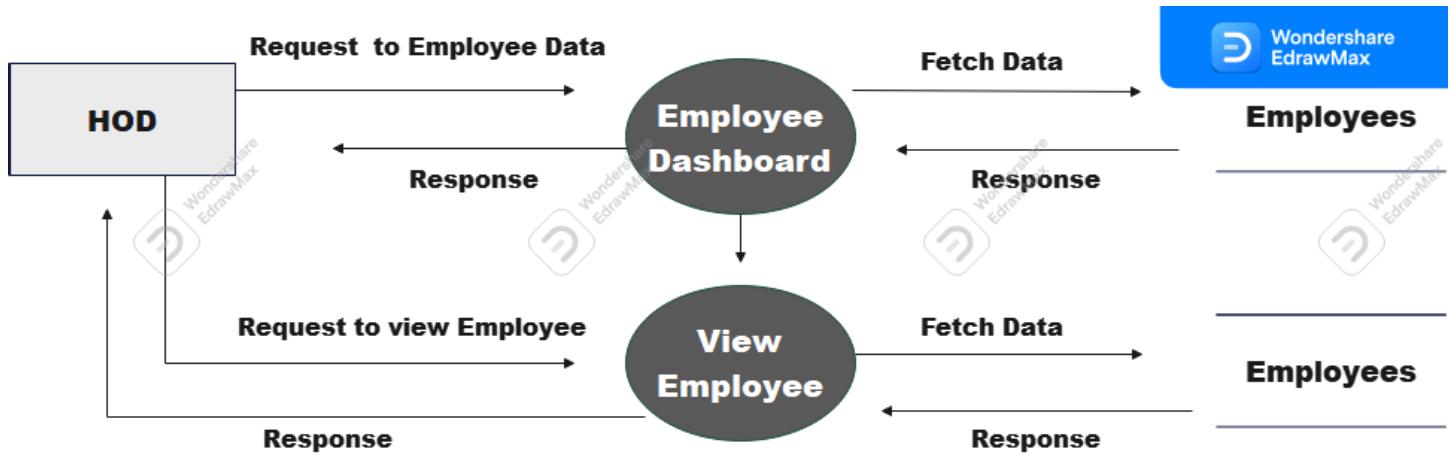
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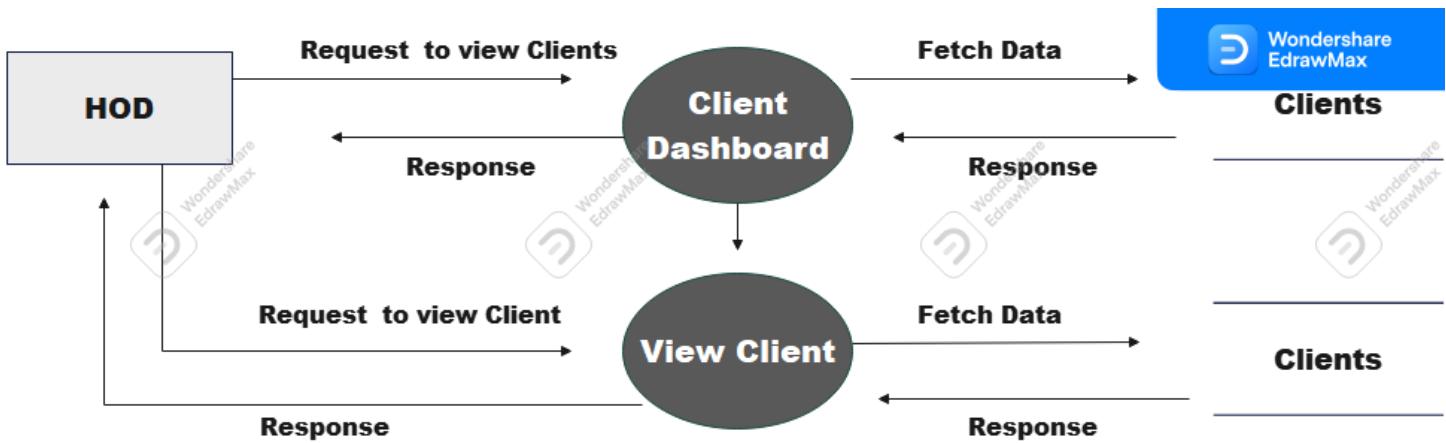
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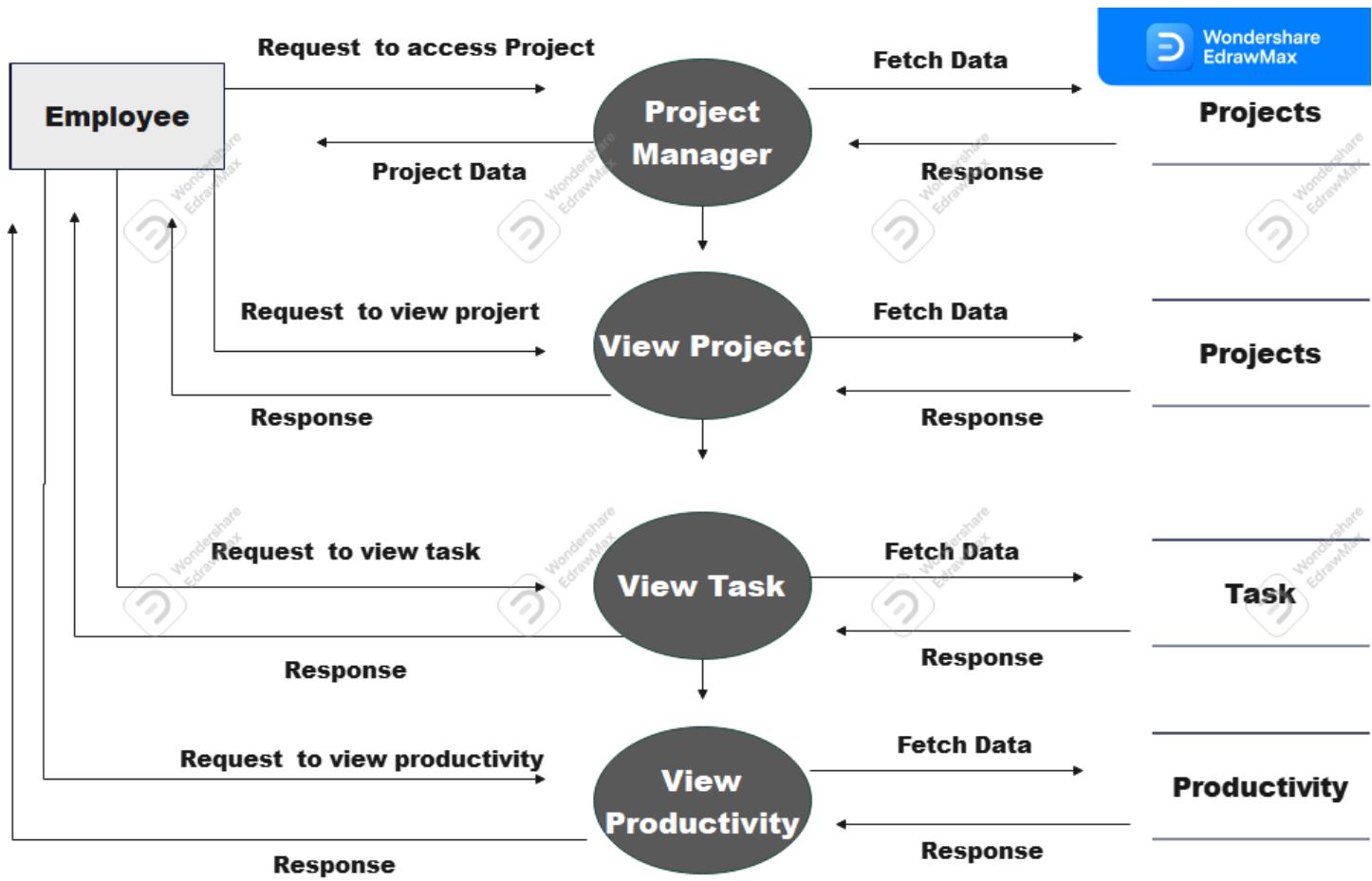
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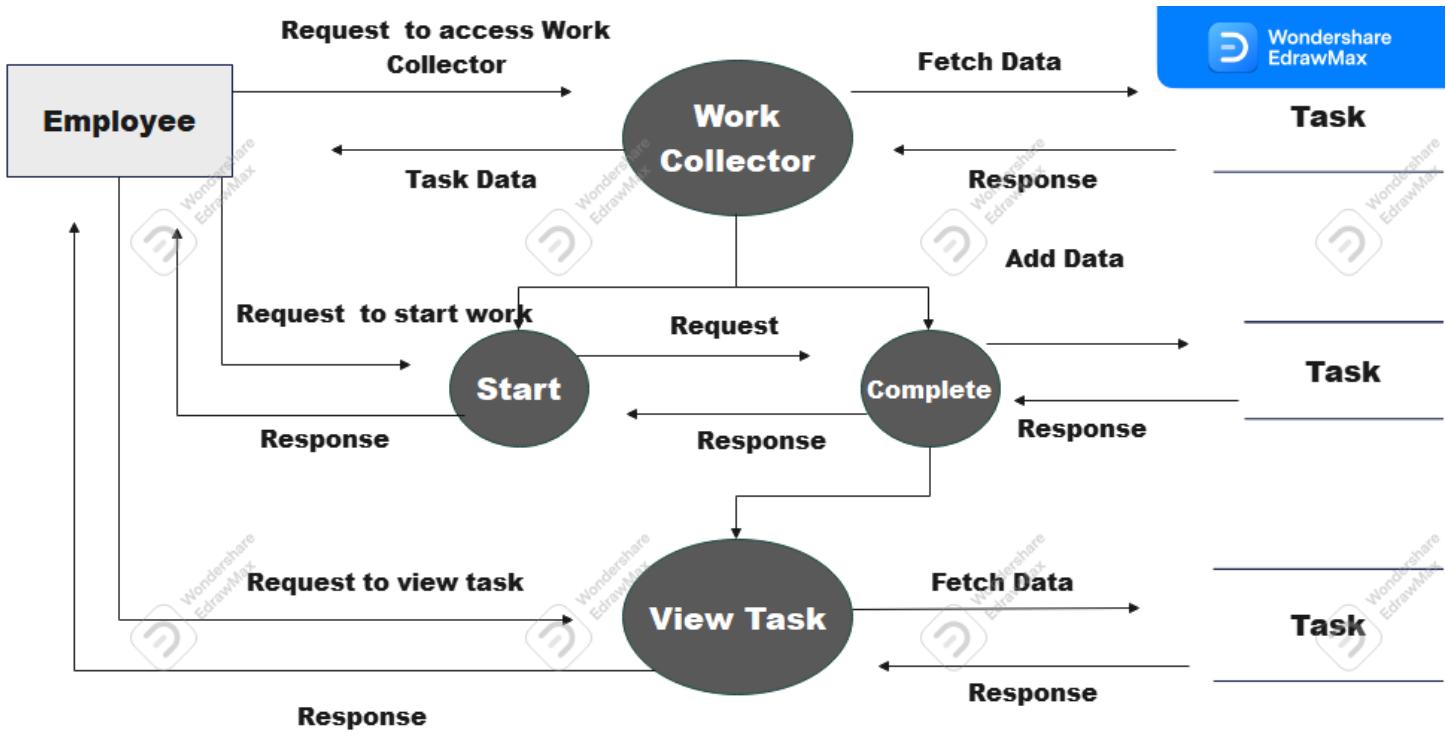
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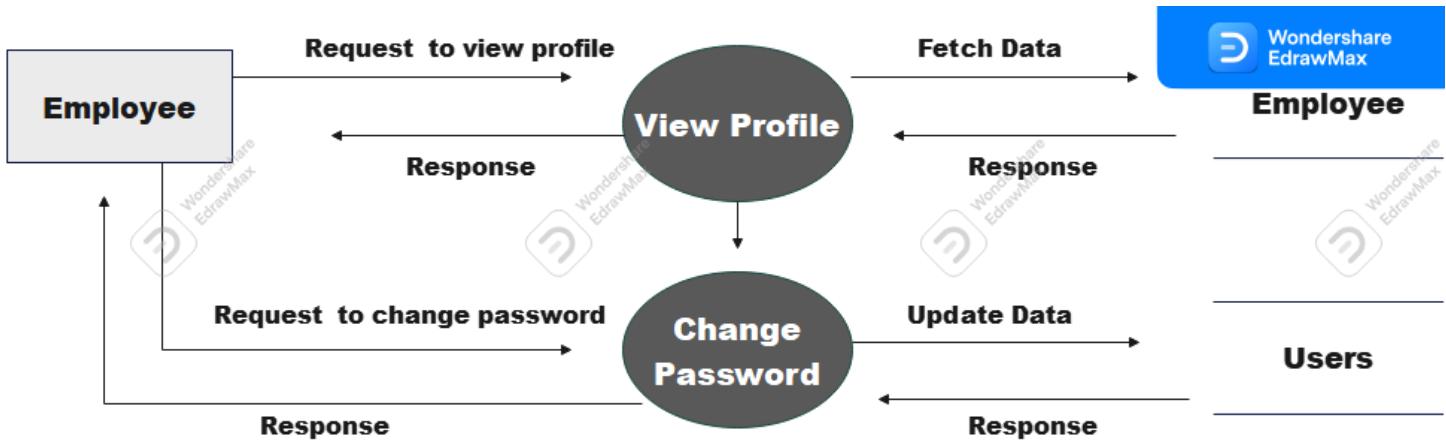
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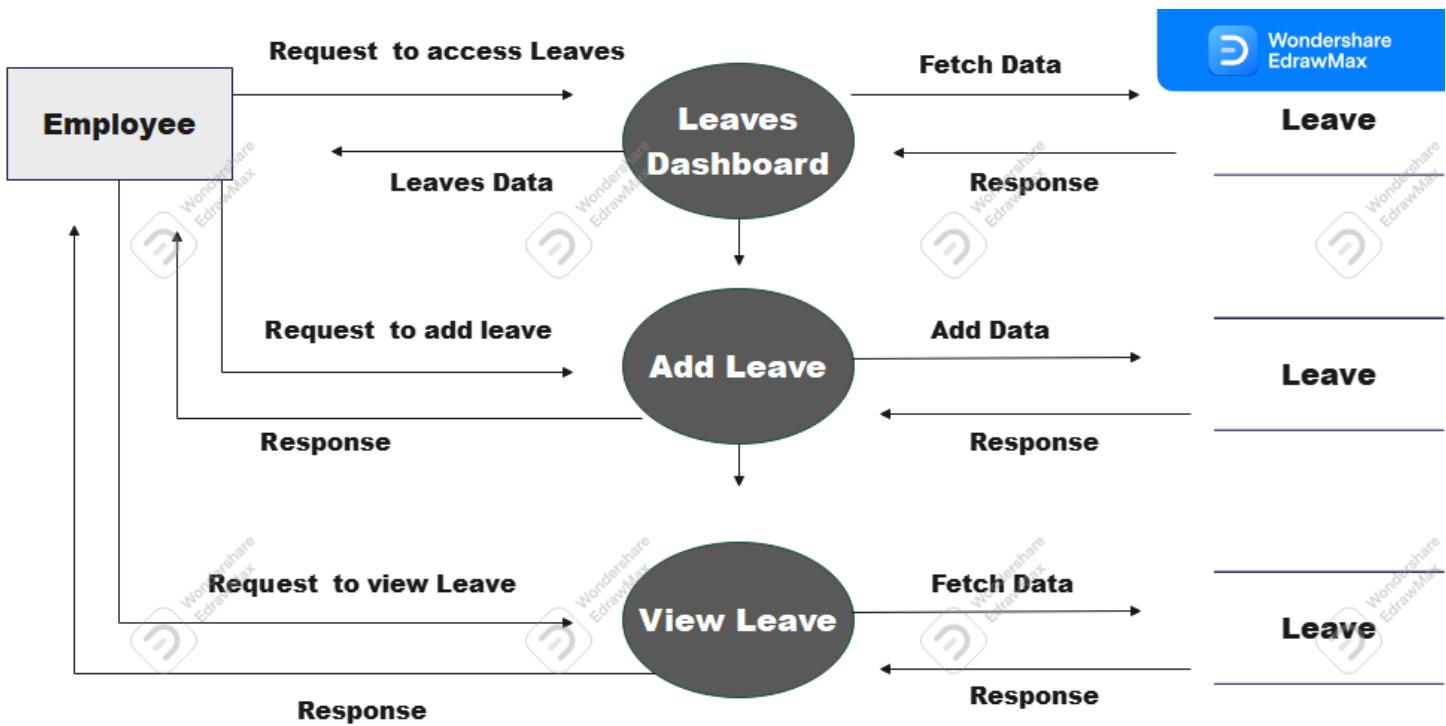
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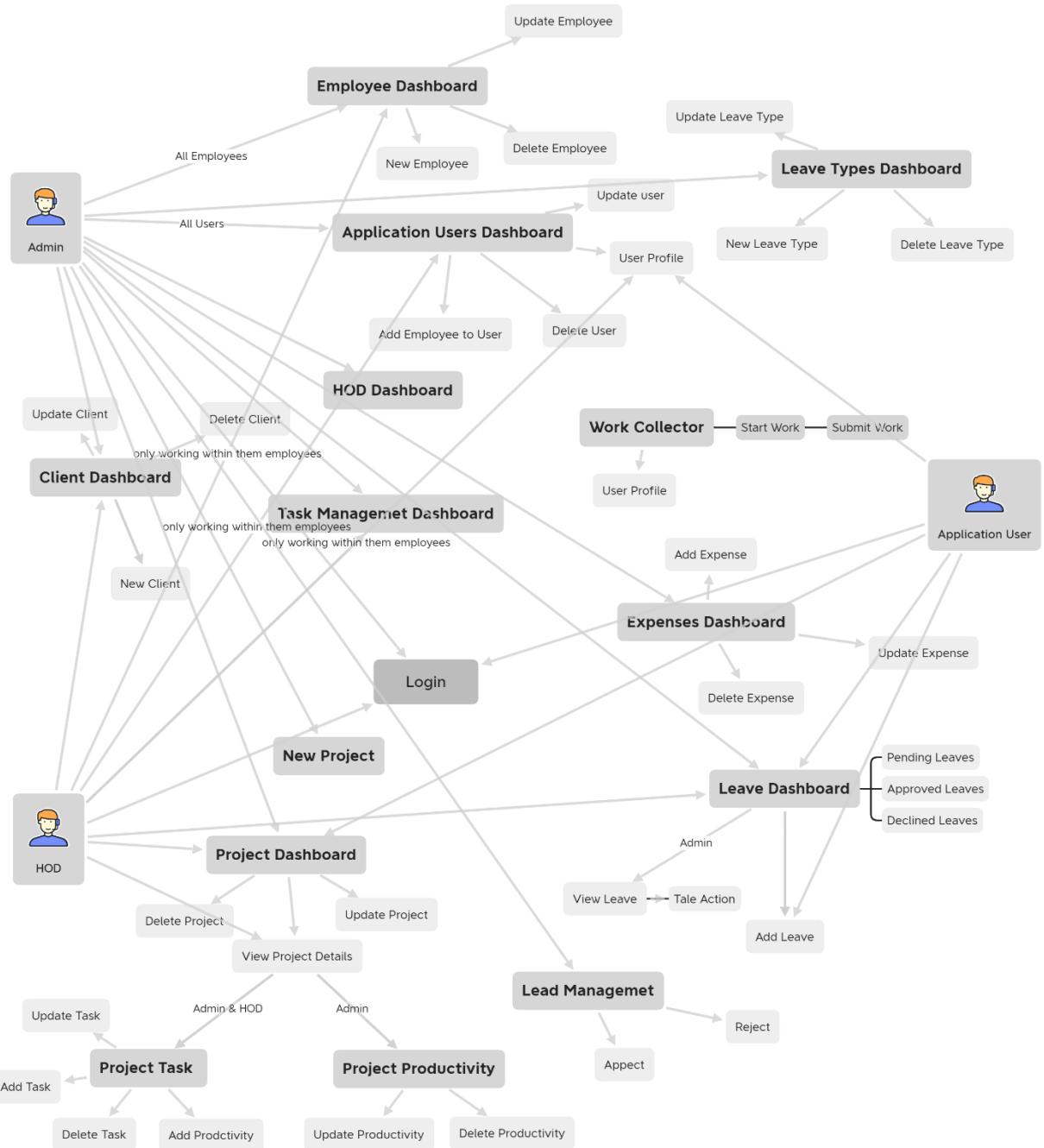
2nd level DFD of Employee –Profile



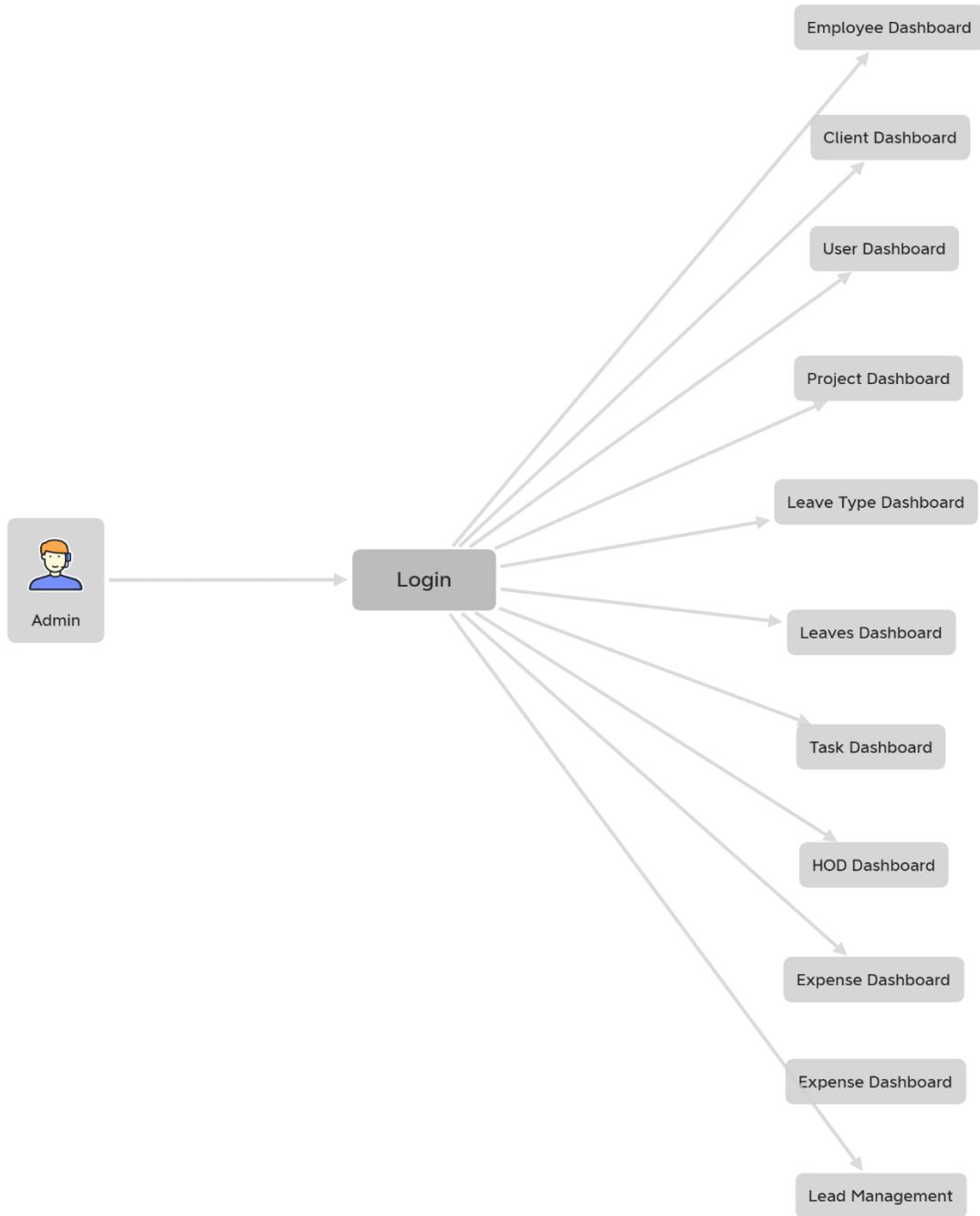
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3.2 Use Case Diagram

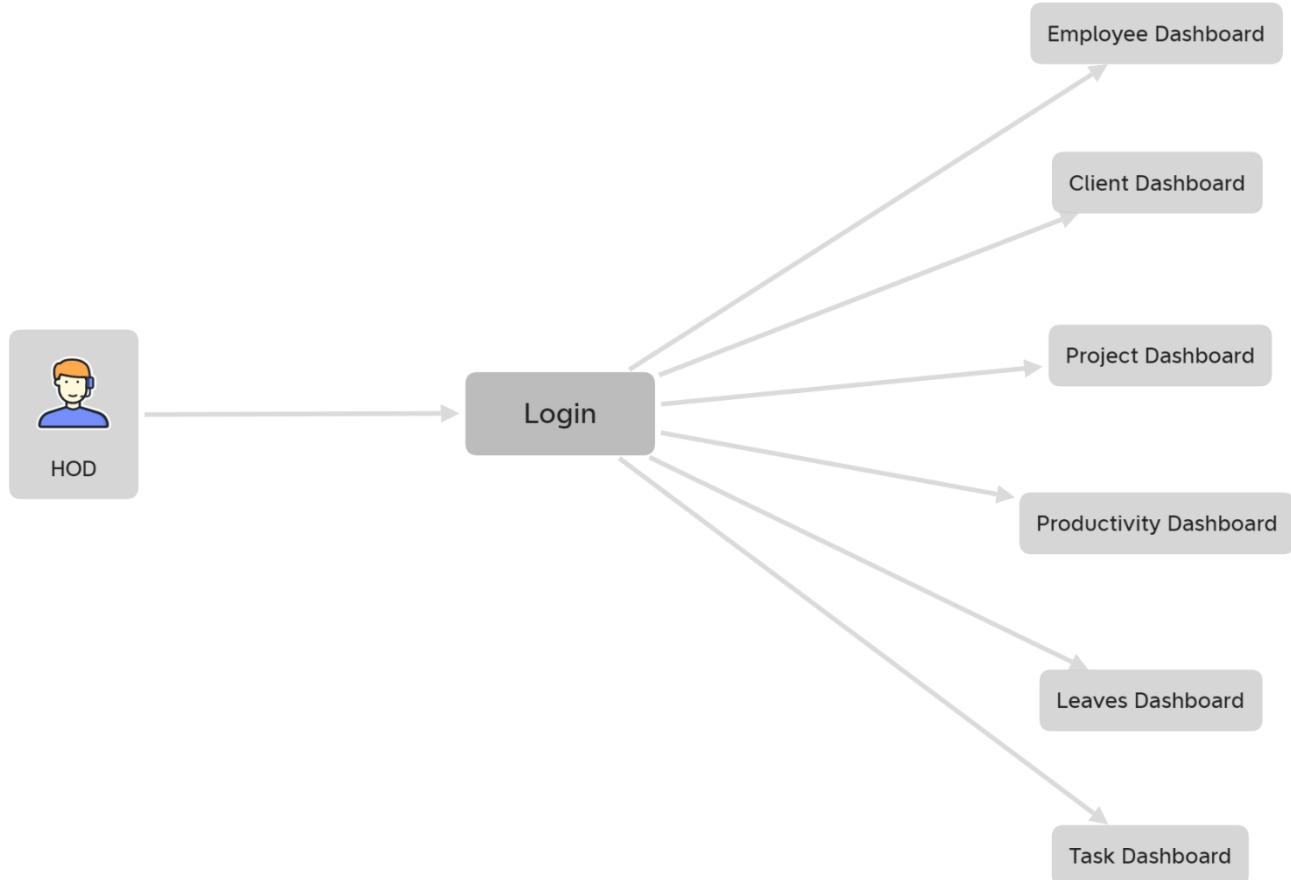


Use Case Diagram – Admin



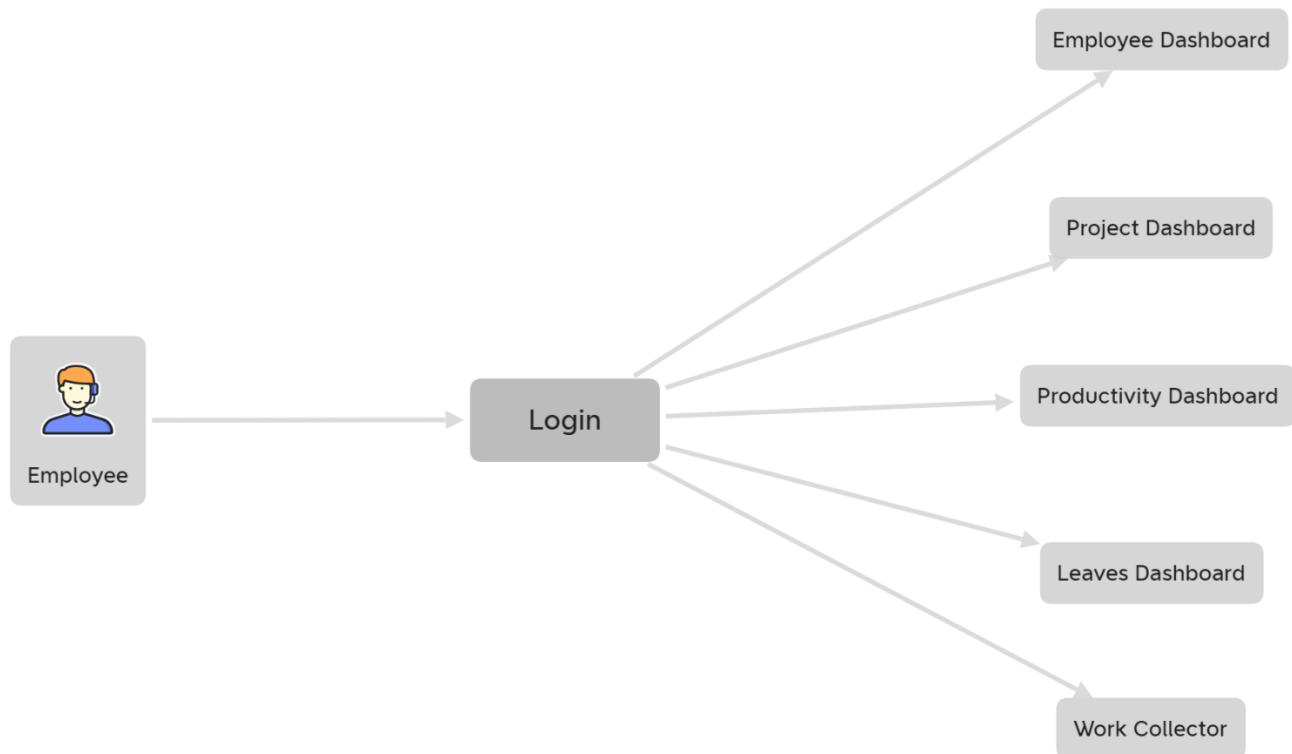
Presented with xmind

Use Case Diagram – HOD



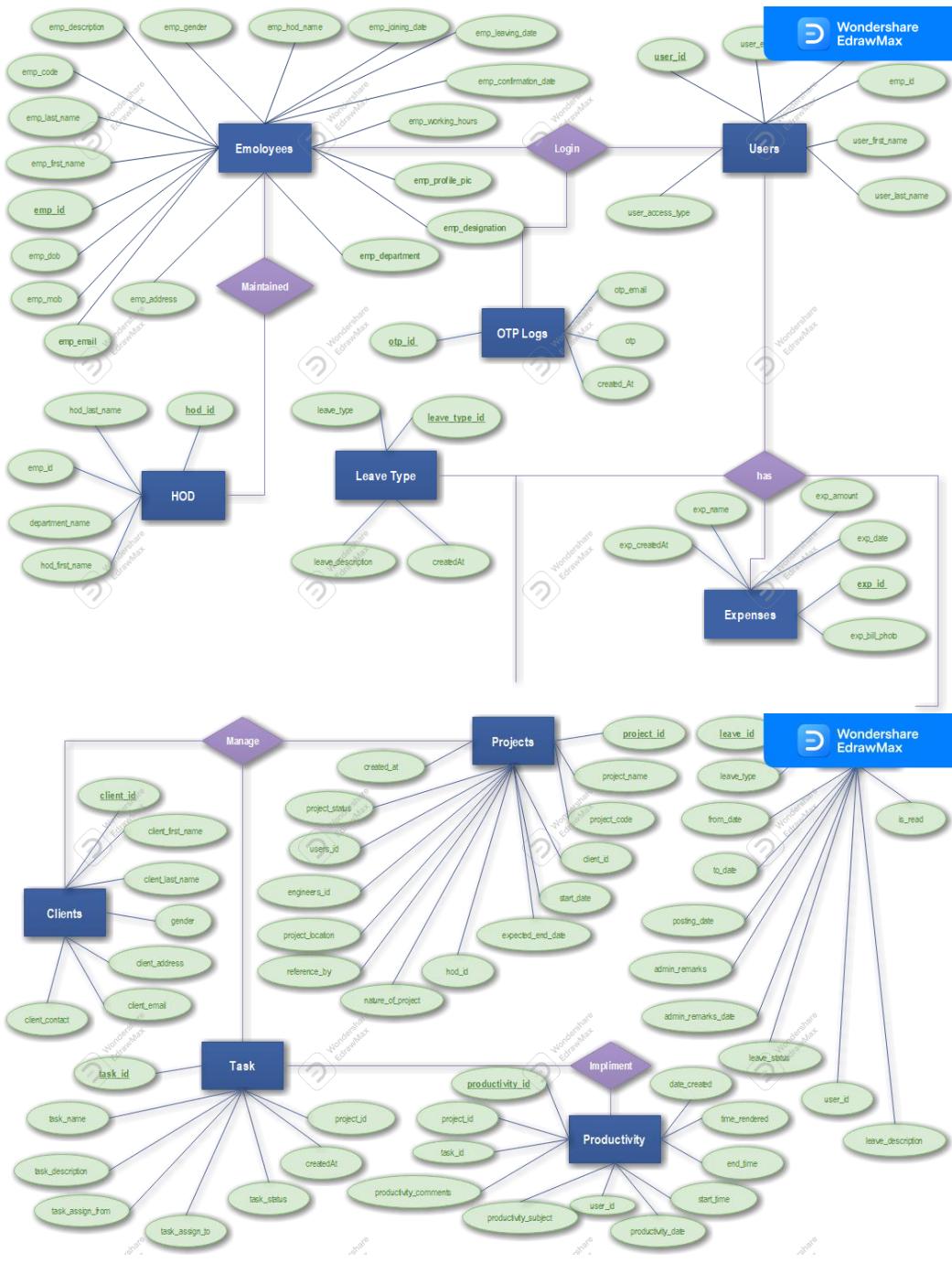
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Use Case Diagram – Employee

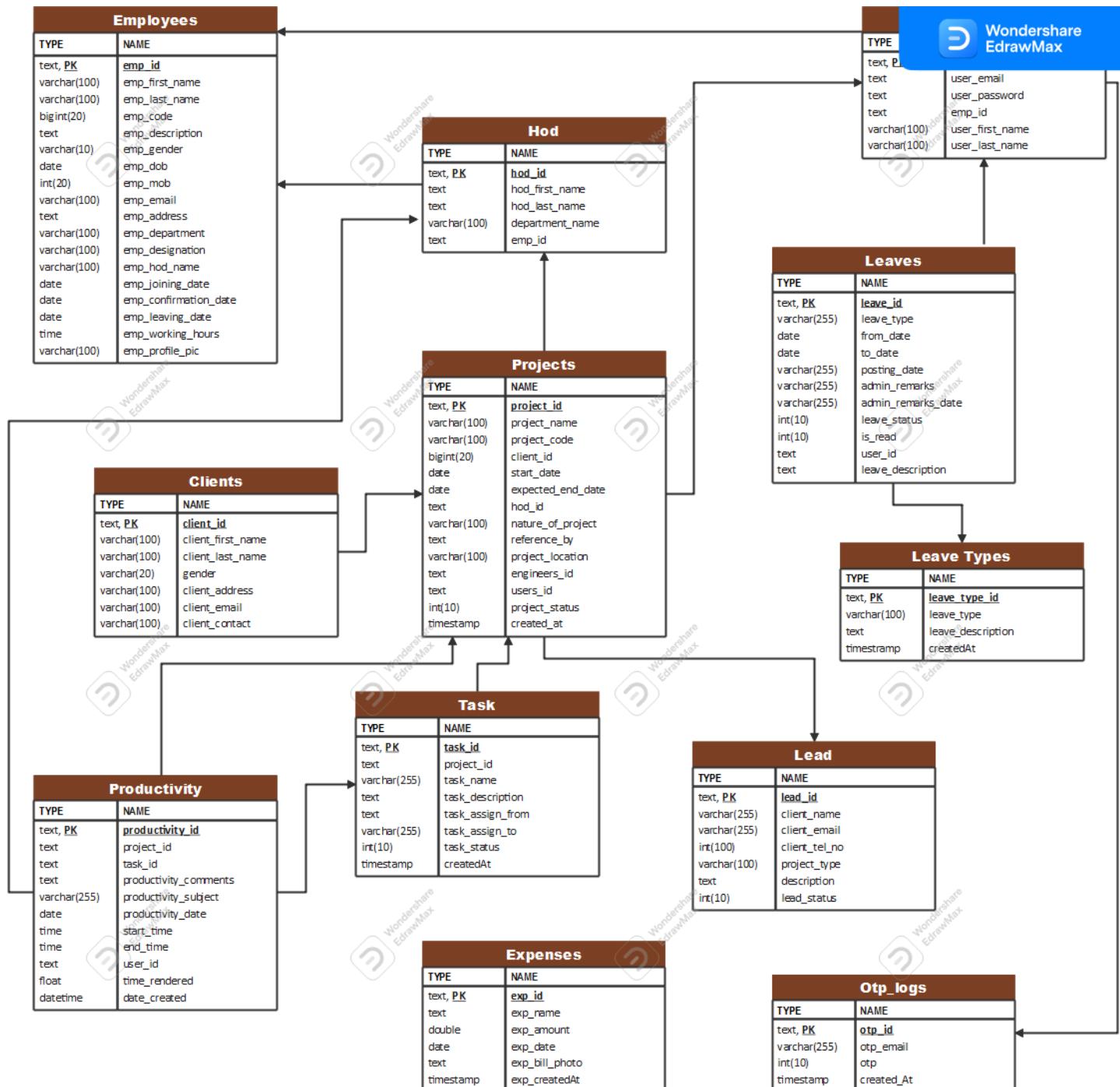


Presented with **xmind**

3.3 ER Diagram



3.4 Database Design



3.5 Data Dictionary

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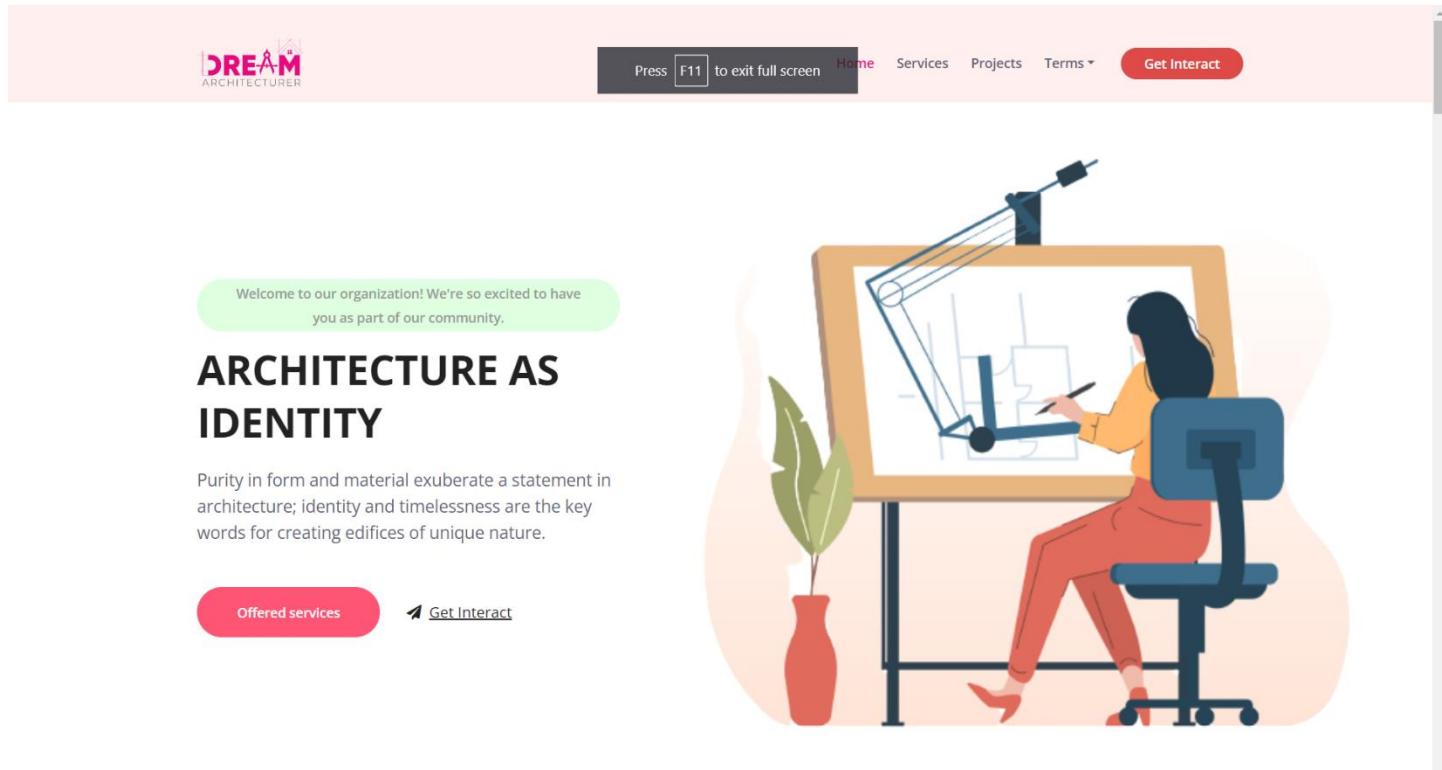
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<input type="checkbox"/>	10	project_location	varchar(100)	utf8mb4_general_ci		No	None		 Change	 Drop	More
<input type="checkbox"/>	11	engineers_id	text	utf8mb4_general_ci		Yes	NULL		 Change	 Drop	More
<input type="checkbox"/>	12	users_id	text	utf8mb4_general_ci		Yes	NULL		 Change	 Drop	More
<input type="checkbox"/>	13	project_status	int(10)			No	None		 Change	 Drop	More
<input type="checkbox"/>	14	created_at	timestamp			No	current_timestamp()		 Change	 Drop	More

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	task_id	text	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	2	project_id	text	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	3	task_name	varchar(255)	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	4	task_description	text	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	5	task_assign_from	text	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	6	task_assign_to	varchar(255)	utf8mb4_general_ci		No	None		Change Drop More	
<input type="checkbox"/>	7	task_status	int(10)			No	None	0: Pending, 1: On Progress, 2: Complete, 3: Hold	Change Drop More	
<input type="checkbox"/>	8	createdAt	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

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

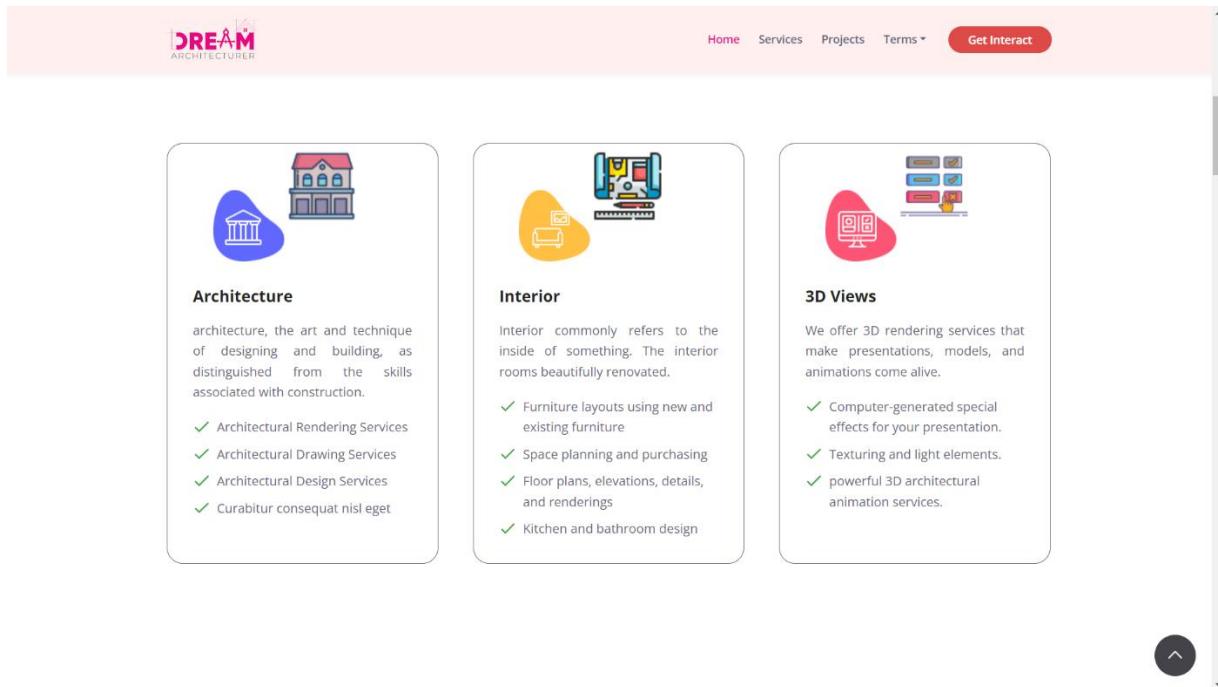
3.5 User Interface

FRONTEN



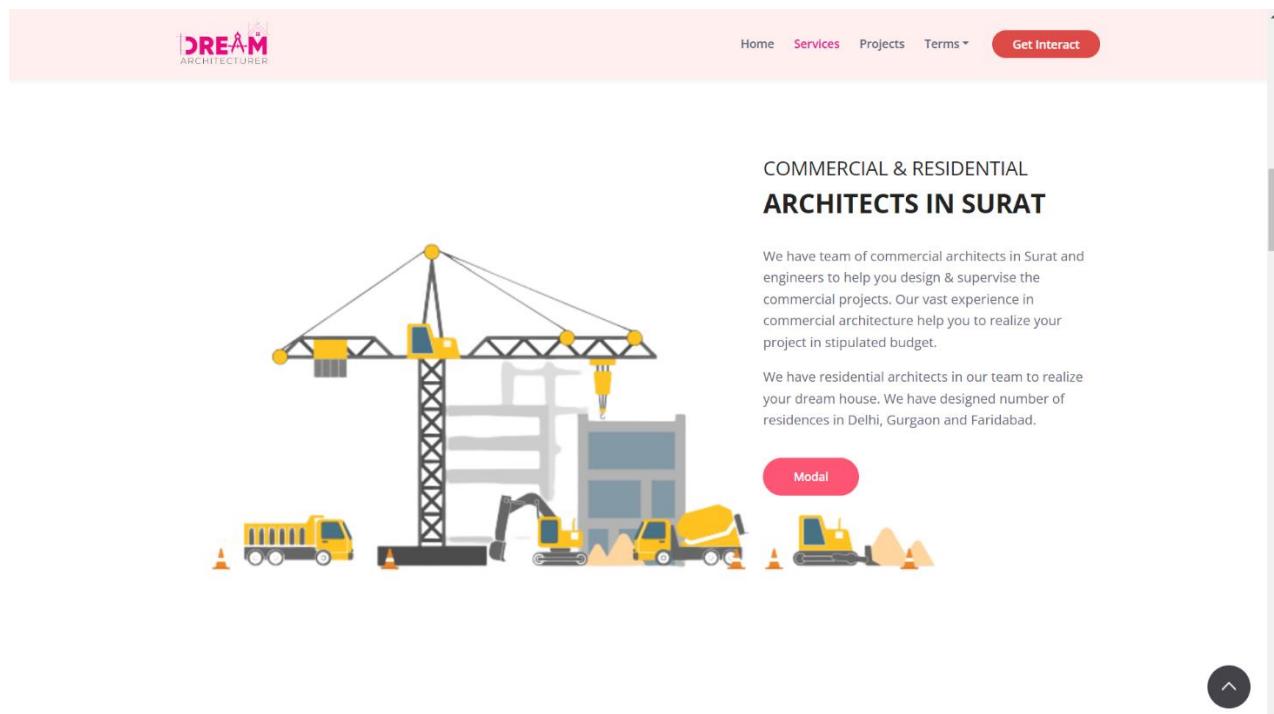
The screenshot shows a web page with a pink header bar. On the left is the college logo and the text "SDJ INTERNATIONAL COLLEGE". On the right is the company name "Dream Studio Architecture Ltd." Below the header is a navigation bar with links for Home, Services, Projects, Terms, and a red "Get Interact" button. A message in a green box says: "Welcome to our organization! We're so excited to have you as part of our community." Below this is a section titled "ARCHITECTURE AS IDENTITY" with a subtext: "Purity in form and material exuberate a statement in architecture; identity and timelessness are the key words for creating edifices of unique nature." At the bottom are two buttons: "Offered services" and "Get Interact". To the right of the text is a stylized illustration of a woman sitting at a drafting table, working on architectural blueprints with a compass and a lamp above her. There is also a small vase with a single leaf on the table.

Dream Studio Architecture Ltd.



The screenshot shows a website for Dream Studio Architecture Ltd. The header includes the college logo and the company name. The main content area features three service boxes: "Architecture" (blue icon), "Interior" (yellow icon), and "3D Views" (red icon). Each box contains a brief description and a bulleted list of services.

- 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.



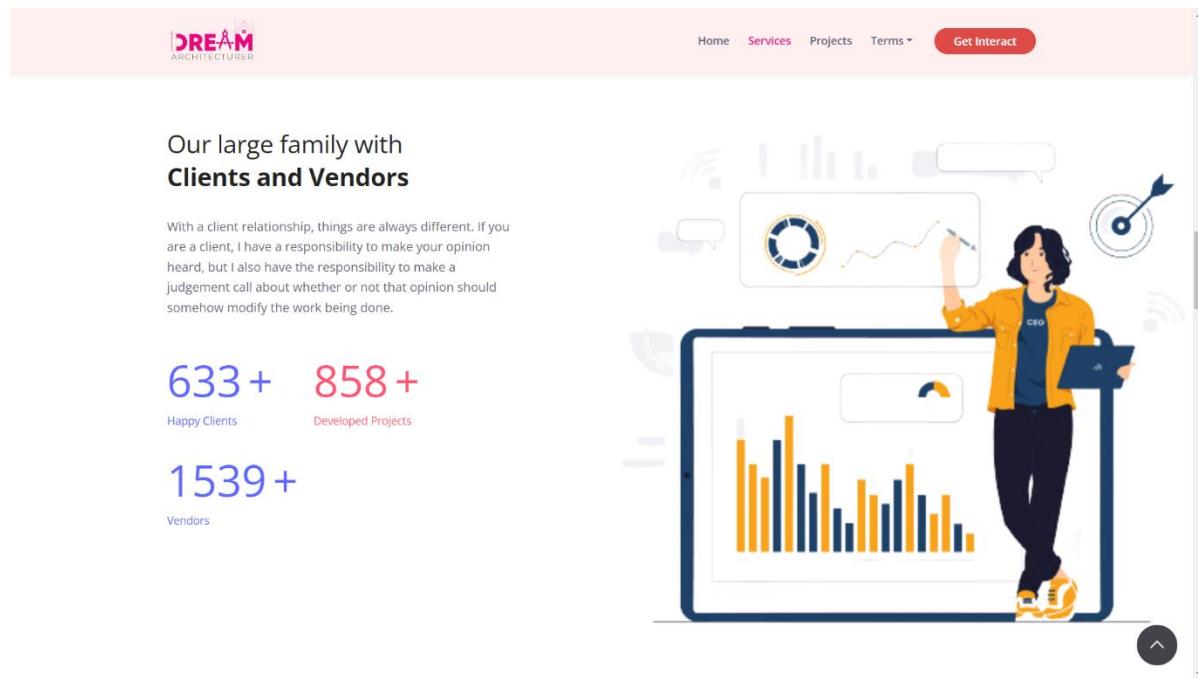
The screenshot shows a section of the website for commercial and residential architects. It features a large illustration of a construction site with a crane, truck, and excavator. The text describes the team's experience in commercial and residential architecture.

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](#)



Our large family with
Clients and Vendors

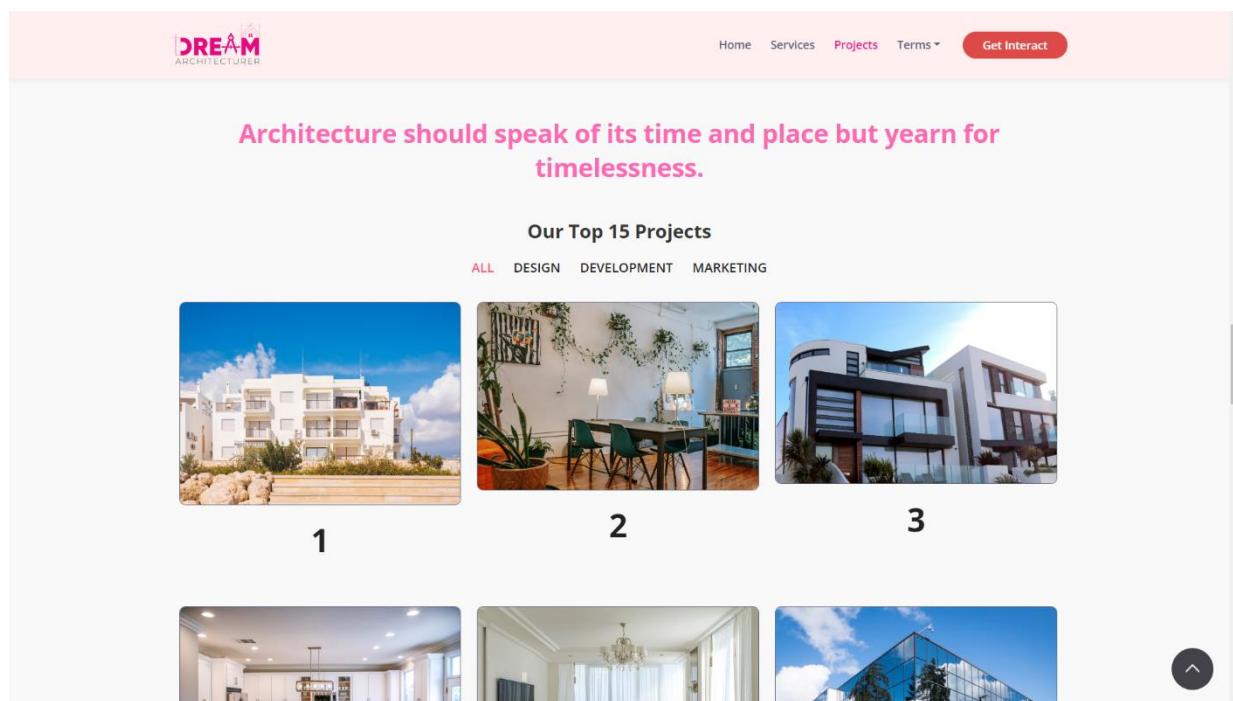
With a client relationship, things are always different. If you are a client, I have a responsibility to make your opinion heard, but I also have the responsibility to make a judgement call about whether or not that opinion should somehow modify the work being done.

633 +
Happy Clients

858 +
Developed Projects

1539 +
Vendors

The CEO is shown standing next to a large clipboard displaying a bar chart, surrounded by icons related to communication and data analysis.



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

Our Top 15 Projects

ALL DESIGN DEVELOPMENT MARKETING

1 

2 

3 

DREAM ARCHITECTURE

- 

4
- 

5
- 

6
- 

7
- 

8
- 

9

DREAM ARCHITECTURE

- 

10
- 

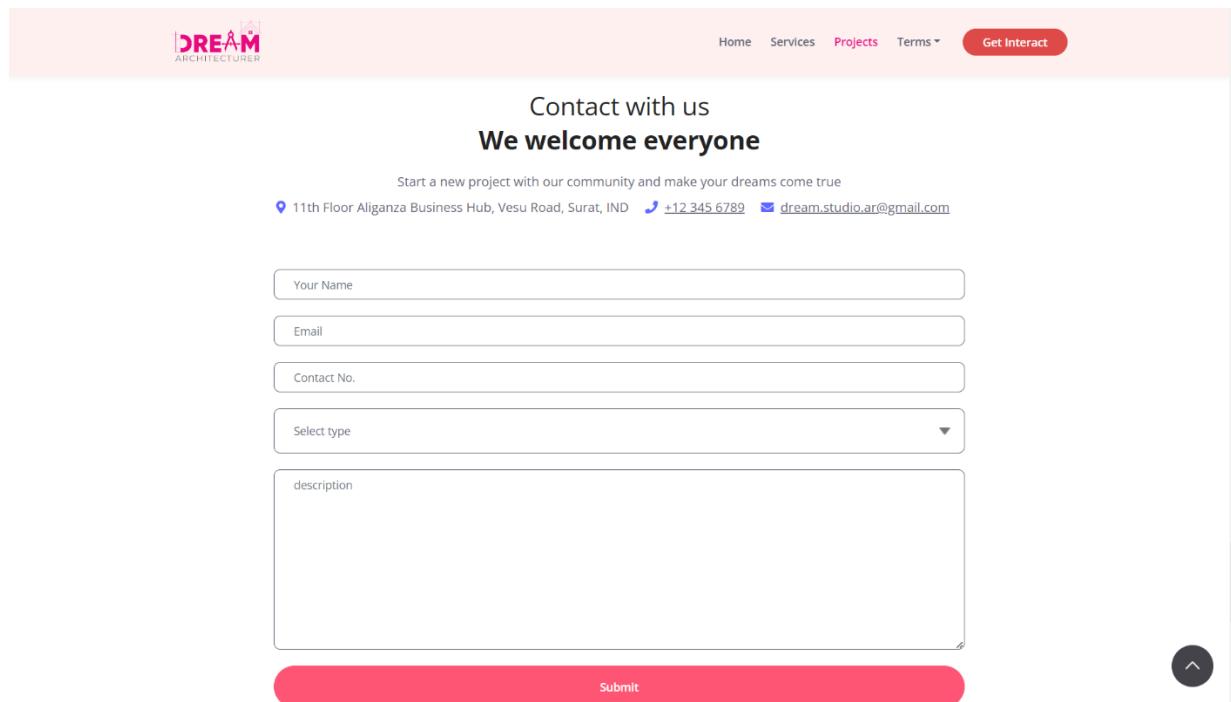
11
- 

12
- 

13
- 

14
- 

15



The screenshot shows a contact form on a website. At the top, there is a navigation bar with links for Home, Services, Projects, Terms, and a red 'Get Interact' button. Below the navigation bar, the page title 'Contact with us' and a sub-section 'We welcome everyone' are displayed. A subtext encourages users to start a new project and make their dreams come true, followed by the address '11th Floor Aliganza Business Hub, Vesu Road, Surat, IND', phone number '+91 12345 6789', and email 'dream.studio.ar@gmail.com'. The main form area contains five input fields: 'Your Name', 'Email', 'Contact No.', 'Select type' (a dropdown menu), and a large 'description' text area. A red 'Submit' button is located at the bottom of the form. On the right side of the page, there are scroll control arrows.

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 +91 12345 6789 dream.studio.ar@gmail.com

Your Name

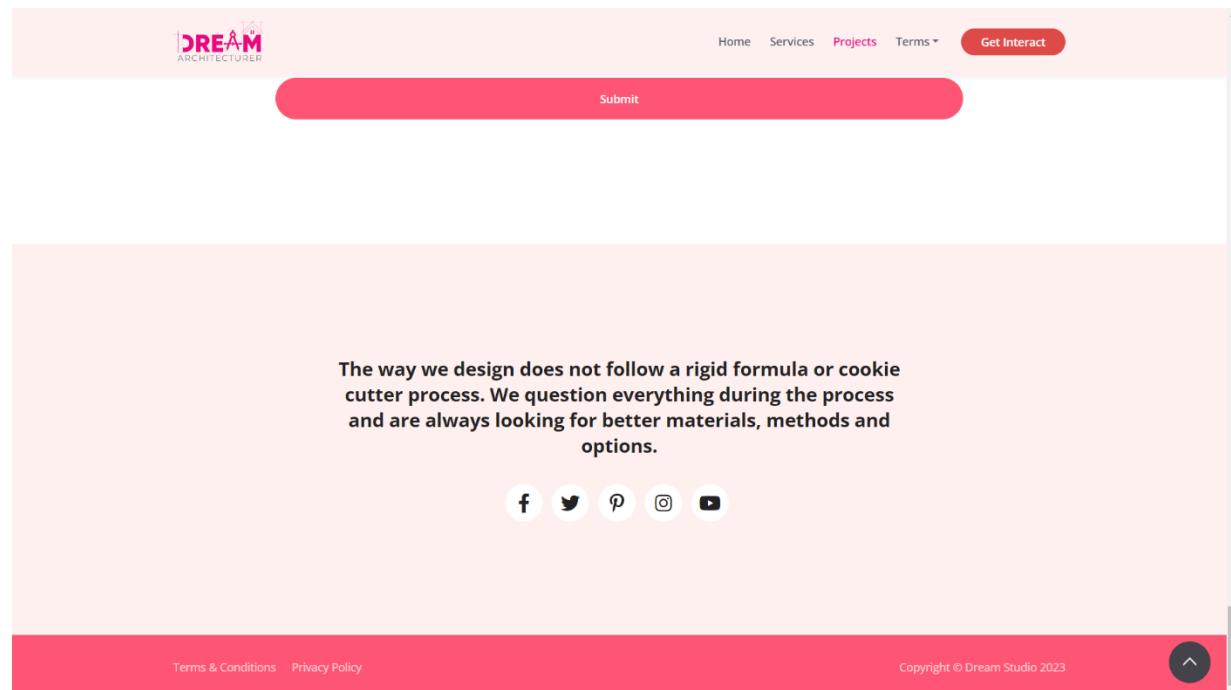
Email

Contact No.

Select type

description

Submit

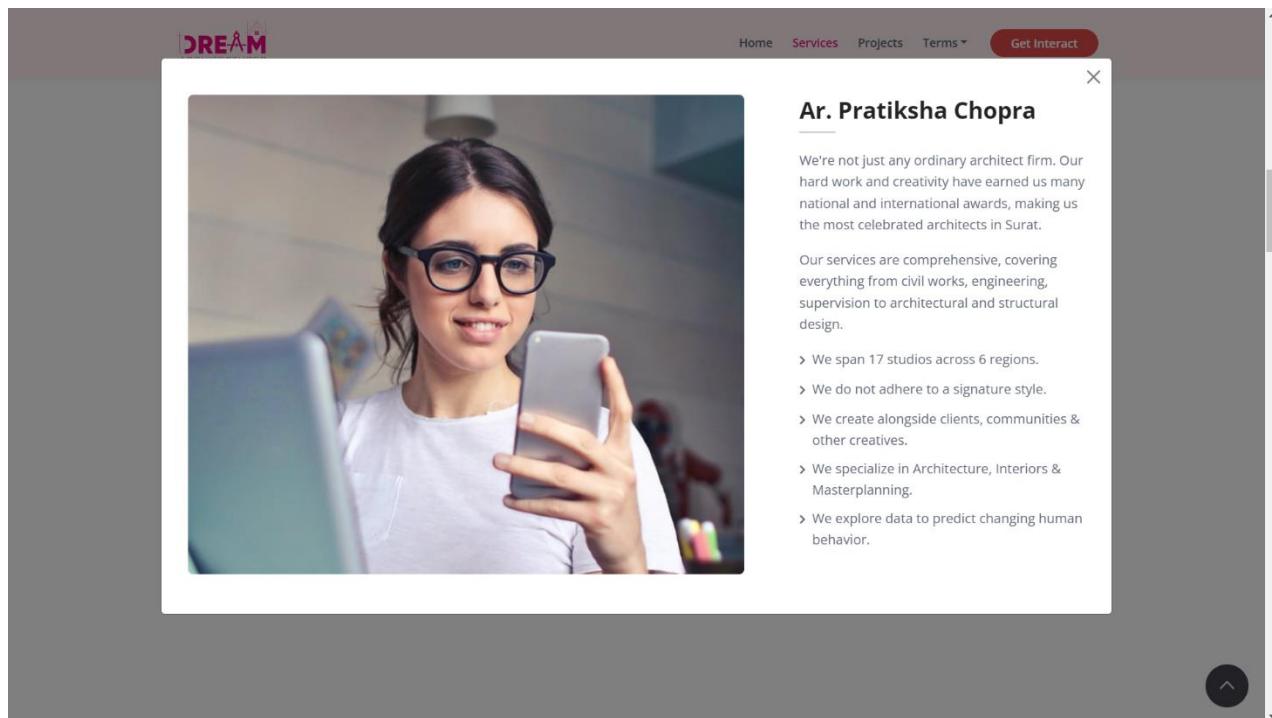


The screenshot shows a statement about design philosophy: 'The way we design does not follow a rigid formula or cookie cutter process. We question everything during the process and are always looking for better materials, methods and options.' Below the statement are five social media icons for Facebook, Twitter, Pinterest, Instagram, and YouTube. At the bottom of the page, there is a red footer bar with links for 'Terms & Conditions' and 'Privacy Policy' on the left, and 'Copyright © Dream Studio 2023' on the right. On the far right, there are scroll control arrows.

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.

f t p i y

Terms & Conditions Privacy Policy Copyright © Dream Studio 2023

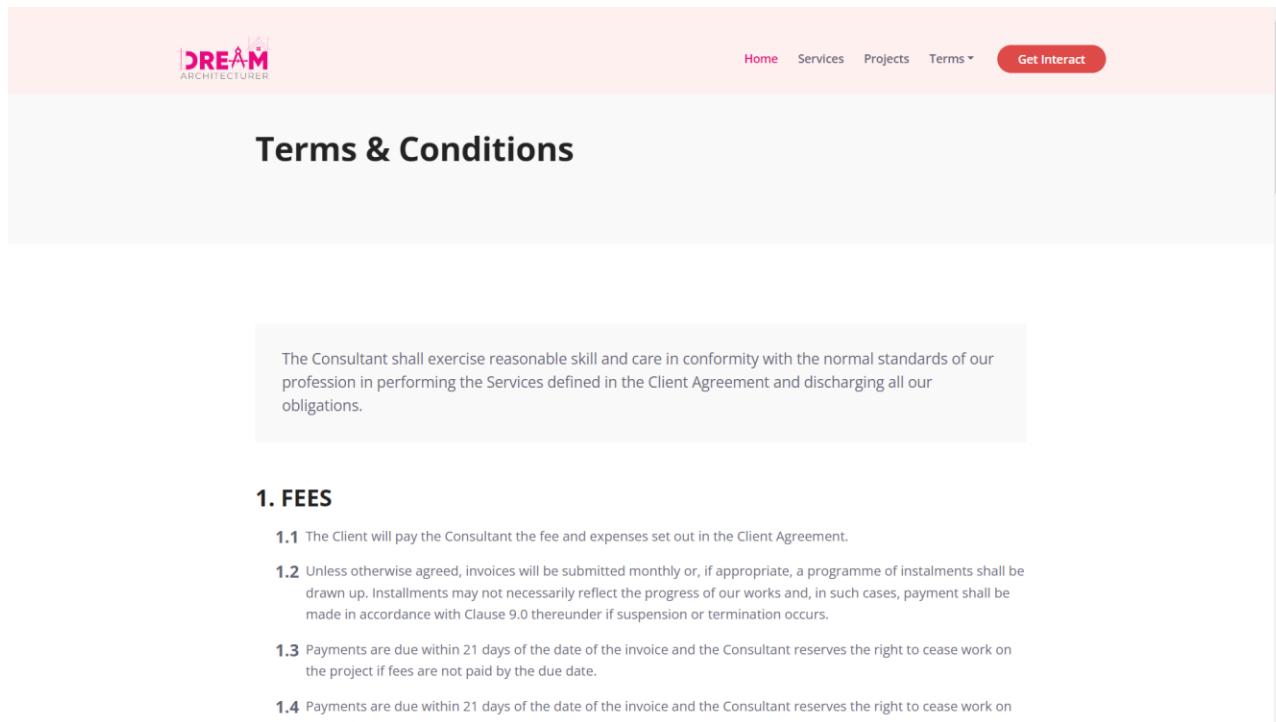


The screenshot shows a website for "DREAM ARCHITECTURE". At the top, there's a navigation bar with links for Home, Services, Projects, Terms, and a red "Get Interact" button. A modal window is open, featuring a large photo of a woman with dark hair and glasses smiling while holding a smartphone. To the right of the photo, the text "Ar. Pratiksha Chopra" is displayed, followed by a paragraph about the firm's achievements and services. Below this, a list of bullet points highlights various aspects of their work.

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 "DREAM ARCHITECTURE" logo and the same navigation bar as the previous screenshot. The main title "Terms & Conditions" is centered at the top. Below the title, there's a box containing a statement about the consultant's duty of care. The page then lists four numbered sections under the heading "1. FEES".

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.



The screenshot shows the website for Dream Studio Architecture Ltd. The header features the college logo and the company name. Below the header is a navigation bar with links for Home, Services, Projects, Terms, and Get Interact. The main content area contains a section titled "2. EXPENSES" with several numbered points detailing costs like hotel charges, drawings, and site surveys.

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.



The screenshot shows the website for Dream Studio Architecture Ltd. The header features the college logo and the company name. Below the header is a navigation bar with links for Home, Services, Projects, Terms, and Get Interact. The main content area contains a section titled "3. CHANGE CONTROL" with two numbered points detailing the process for variations and time charges.

3. CHANGE CONTROL

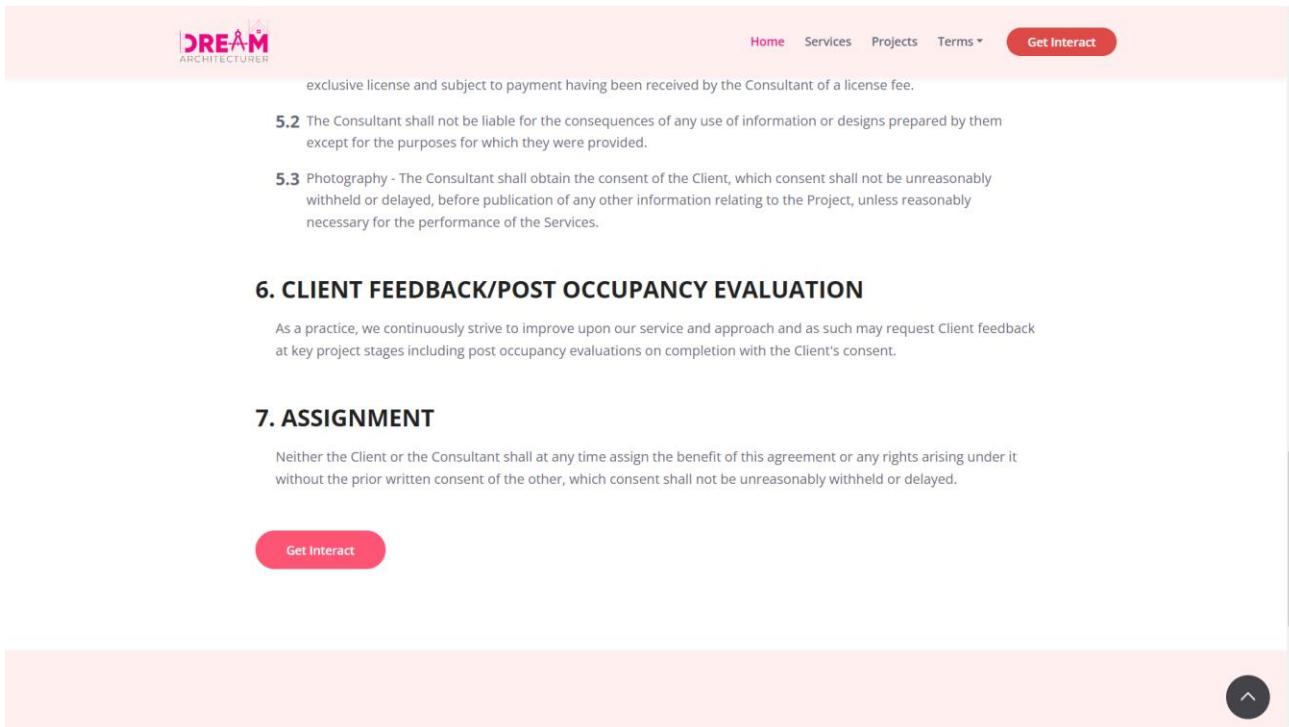
- 3.1** Should there be a variation in the agreed scope of works the Consultant will identify and issue this in a Change Notification Form which will identify any fee or programme implications. All Change Notification Forms issued will need to be agreed by the Client before the Consultant progresses 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.



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](#)



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.

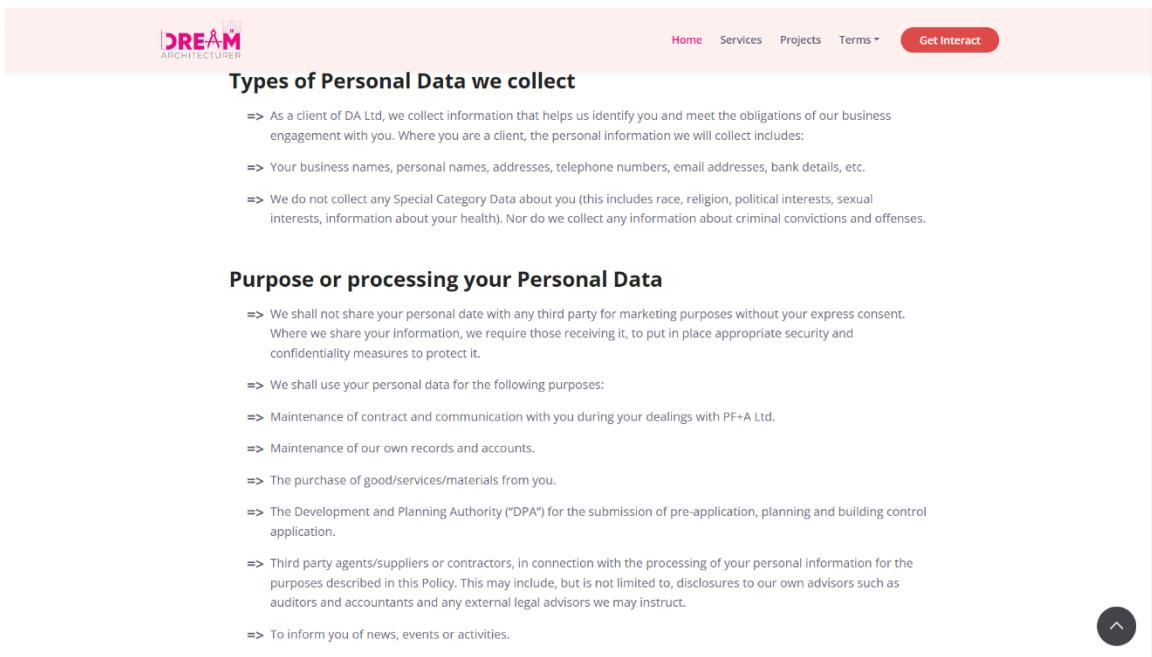
For the purpose of the relevant data protection legislation, the "controller" (or"data controller") is DA Ltd at Delhi Court, Delhi Lane, St Mahatma Gandhi road, Delhi NCR. We can be contacted at contact@pfaarchitecture.com or 01481 712633.

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:

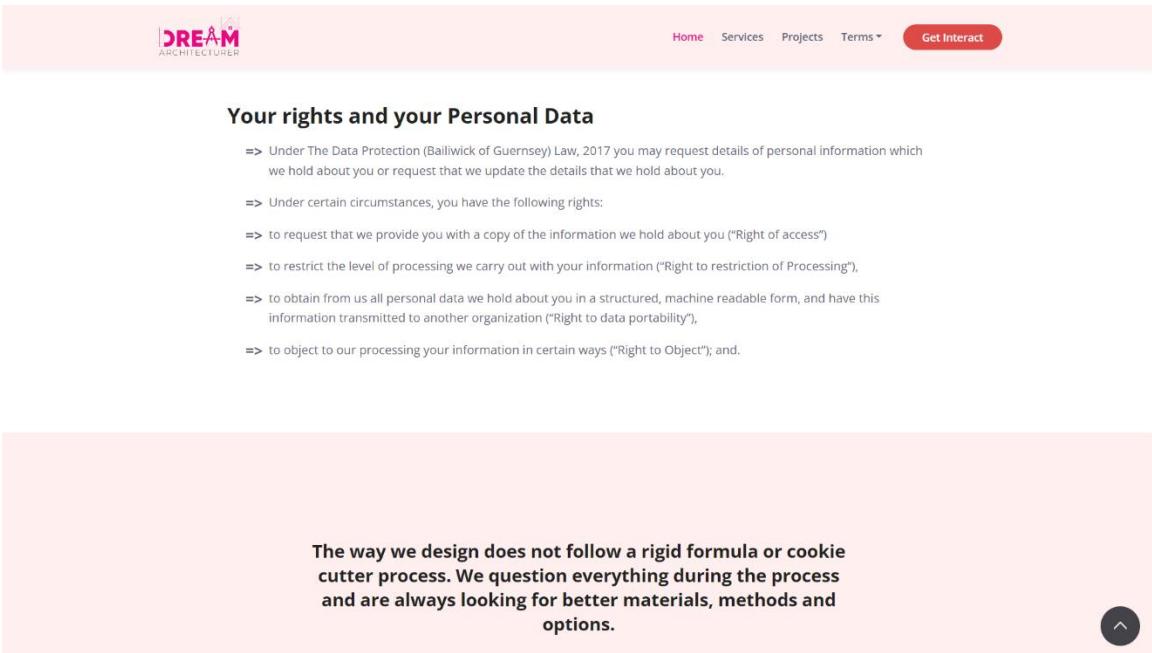


Types of Personal Data we collect

- => 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.

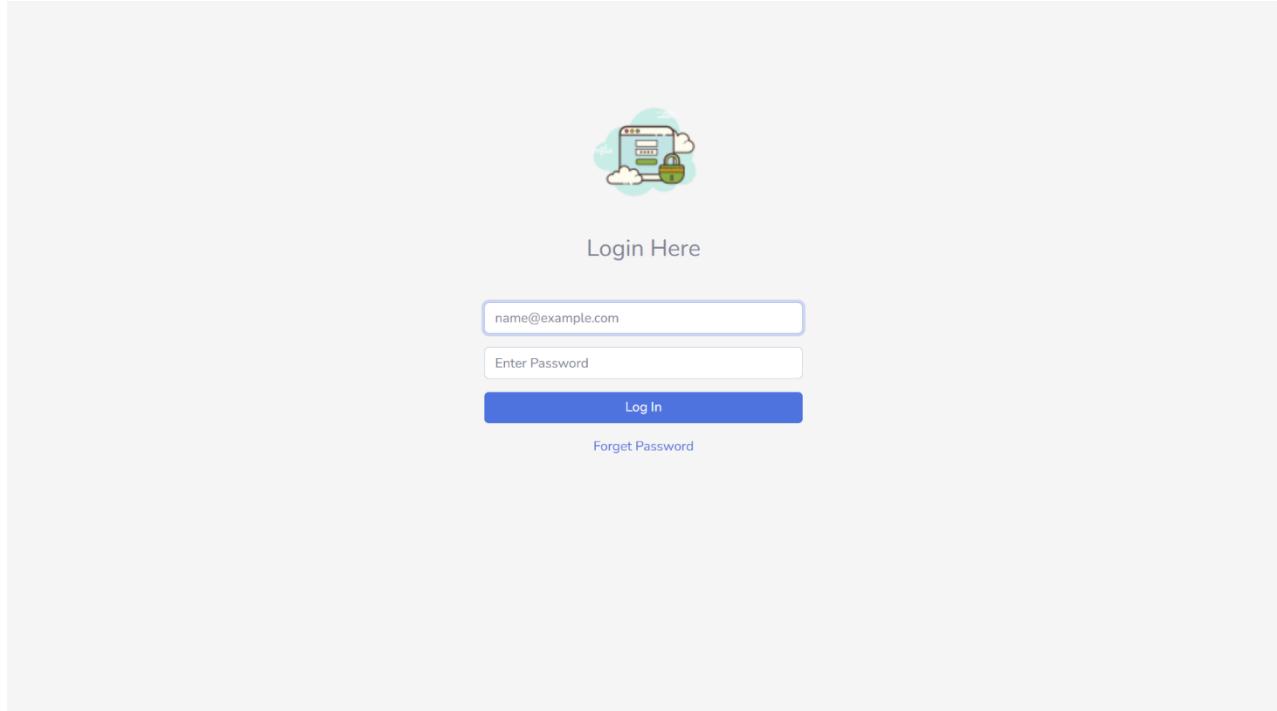


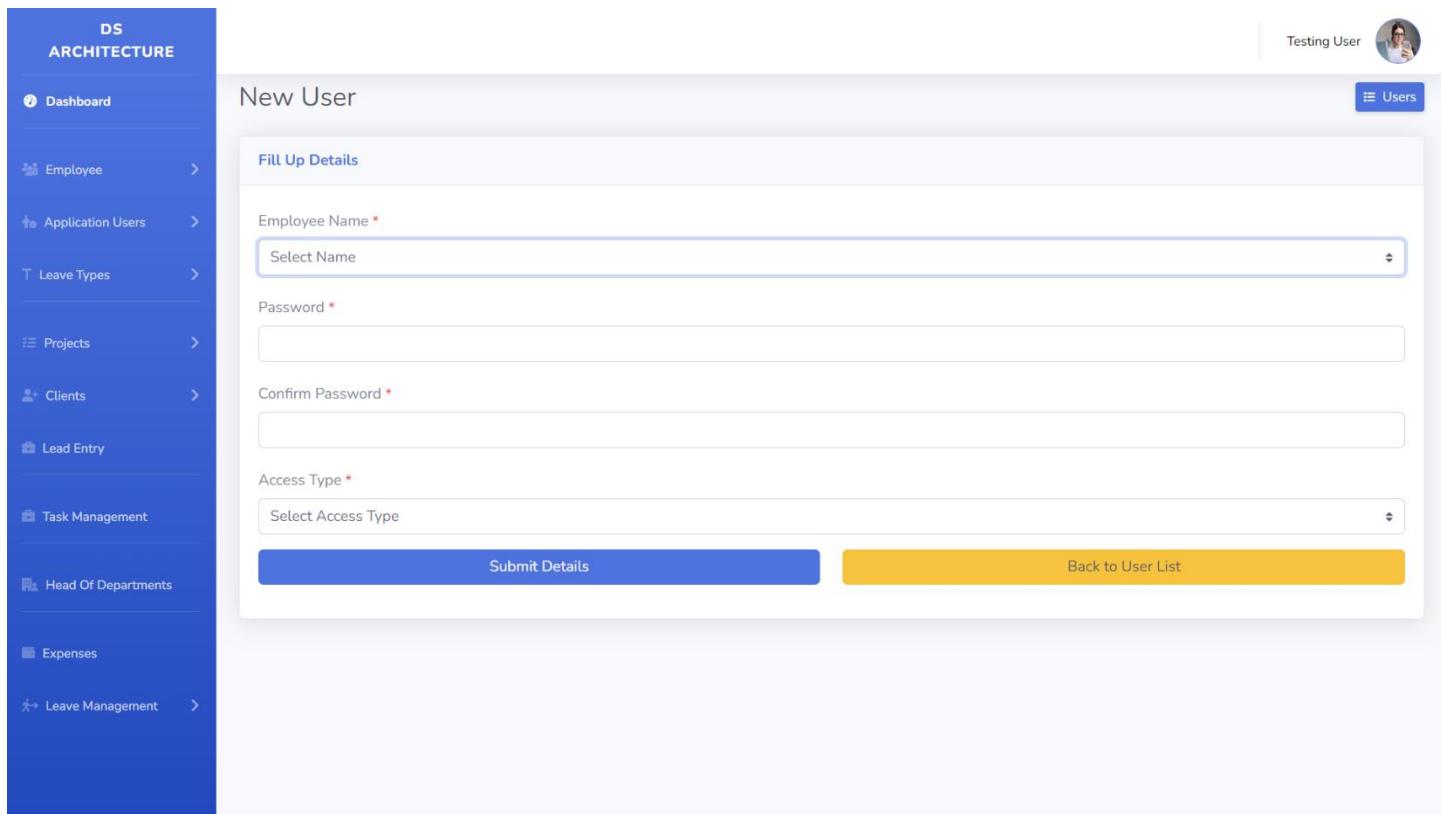
Your rights and your Personal Data

- => 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.

BACKEND





The screenshot shows a user interface for managing users. On the left is a vertical sidebar menu titled "DS ARCHITECTURE" with the following items:

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

The main content area is titled "New User" and contains a form titled "Fill Up Details". The form fields are:

- Employee Name * (dropdown menu labeled "Select Name")
- Password *
- Confirm Password *
- Access Type * (dropdown menu labeled "Select Access Type")

At the bottom are two buttons: "Submit Details" (blue) and "Back to User List" (yellow).

DS ARCHITECTURE

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

Testing User 

Leaves Types

[+ Add Leave Type](#)

Leaves Type			
Sr. No	Leave Type	Description	Actions
1	diwali	ekgrfkdnfkbnrwinrpn nbpoiegbfrpobnpisfniiij	⋮
2	holy	Create a CSS class that will display the popup when its display property is set to block.	⋮
3	z	dvgfrsgsdgvdsfgdsgfdst	⋮
4	g	dsfgfdesgbhtfhrgedsgfedsfv	⋮
5	i	fdvgbgbdsgfasfasfasfds	⋮
6	f	fdfsfasfasdfdsfdfsdf	⋮
7	b	dfrdgdedfewdfeedede	⋮
8	h	fswdefdsfdsgdgszzxdfd	⋮

Testing User 

Add Leave Type

[Leave Types](#)

Fill Up Details

Leave Type *

Leave Description *

DS ARCHITECTURE

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

All Projects

Testing User 

[+ 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	fhotejoekntodfkbronbgodfk 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		kjuyjhjnyh 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	⋮

DS ARCHITECTURE

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

New Project

Testing User 

Fill Up Details

Project Name *

Project Code *

Client *	Start Date *	Expected End Date
Select Client	mm/dd/yyyy	mm/dd/yyyy

Head Of Department *

Nature Of Project *

Reference From

Project Location *

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 Kaneriya - Intern
Ami Bhalala - Intern
Chintan Bhimani -

[Submit Details](#)
[Back to Project List](#)

DS ARCHITECTURE

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

pari flat

Project Information
Projects

PROJECT EMPLOYEES

- 1. Akshay Kaneriya
- 2. Chintan Bhimani
- 3. df sdf dsf
- 4. Hemisha Patel

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

PROJECT ENGINEERS

- 1. hiren Patel
- 2. Mayank Virani

[pari flat's Task List](#)



DS ARCHITECTURE

Testing User 

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

pari flat 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	bhiwrosfbisbnnvbj 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 Start: 12:00 PM End: 05:20 AM 258415454vfgkgdsfbgsfb

DS ARCHITECTURE

Testing User 

All Clients + Add Client

Client List

Show 10 entries Search:

Sr No.	First Name	Last Name	Email	Address	Contact	Action
1	fhotejoekntodfkbronbgodfk	bbbb	hnkteognnho@gmail.com	xvmbspfmbposmb		⋮
2	hgdhg	bffbxn	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	fbfgblllmm	kkm	llllllllll@gmail.com			⋮
8	hjg	nbnb	juu@gmail.com			⋮

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 Client

Testing User 
[Clients](#)

Fill Up Details

First Name *	Last Name *
<input type="text"/>	<input type="text"/>
Gender	Mobile No.
<input style="width: 100%; height: 30px; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;" type="text"/>	<input style="width: 100%; height: 30px; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;" type="text"/>
Resident Address	<input style="width: 100%; height: 30px; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;" type="text"/>
Email Address *	<input style="width: 100%; height: 30px; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;" type="text"/>

Submit Details
Back to Client List

All Lead Entry

TOTAL
7 Lead

PENDING
0 Lead

CONTACT TO CLIENT
4 Lead

REJECTED
3 Lead

Lead Entry List

Sr No.	Client Name	Client Email	Client Contact No.	Project Requirement	Description	Status	Action
1	hkuop	yjkpjykpth@gmail.com	2147483647	Project	clb,nfld[modfmnog flcbnfldmgmp	Rejected	Edit
2	aaaaaaaaaaaaaa	aaaaaaaa@gmail.com	2147483647	Bungalow	dflbfmfsmlsmlsmlsvxl	Rejected	Edit
3	aaaaaa	dffbfoehkt@gmail.com	2147483647	Project	vflbomherotjehmotehrtnp[hwhrohrw gnmwowrhmnohwmb oorjrwiphjwrioegrnsodgjeqio gjrwihriwgnb fsgwrisgrwiosfgbiirwj wiria wiria	Completed	Edit

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All Works

TOTAL
19 Work
RUNNING
0 Work
COMPLETED
12 Work
PENDING
0 Work

Task List				
Show 10 entries Search: <input type="text"/>				
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 MFAEOFEDRKFQWP FMDBEOKEWPRFKEGBVMO MOFGEOFKEDGFV	Chintan Bhimani	Complete
4	here is here	FEDISGVN FBEGOEDFG OB BMBORFHE FGDMB ORBGMW ESQAFVGADBVGK	Chintan Bhimani	Complete
5	wowowowowowo	vdscdfdsbvd cv fvb dfcbv dc c	Chintan Bhimani	Not Started

Head Of Departments

NO. OF HOD
8

HOD List				
Show 10 entries Search: <input type="text"/>				
Sr No.	First Name	Last Name	Department	
1	Ab	cd	IT	
2	Aalok	Agarval	Interior	
3	Kiran	Manek	MDO	
4	kjujyhjnyh	nhhn	MDO	
5	p	p	Architecture	
6	zzz	zzz	MDO	
7	Nirali	Patel	Finance	
8	zzz	zzzz	IT	


Testing User


Testing User

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Testing User 

All Expenses

[+ Add Expenses](#)

TOTAL AMOUNT OF EXPENSES	2	CONFORMED
--------------------------	---	-----------

Employee List

Show 10 entries Search:

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

Testing User 

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](#)

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All Leaves

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](#)

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Pending Leaves

Pending 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	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

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Testing User



Approved Leaves

Approved Leaves

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

Testing User



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Declined Leaves

Declined Leaves					
Show <select style="width: 50px;">10</select> entries Search: <input type="text"/>					
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

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

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Change Password

Fill Up Details

Old Password *

New Password *

Confirm Password *

Change Password



Password Reset

Send OTP

[Login With Password](#)

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New Task For Home Villa

Aalok Agarwal 

All Task

Fill Up Details

Task Name *

Task Description *

Task Assign To *

Select Employee

[Submit Details](#)

[Back to Project](#)

New Progress For: Home Villa

Aalok Agarwal 

Fill Up Details

Subject *

Date *

 mm/dd/yyyy 

Start Time *

 --:-- 

End Time *

 --:-- 

Comment/Progress Description *

[Submit Details](#)

[Back to Project](#)

Work Collector

TOTAL 9 Work

PENDING 2 Work

Task List

Show 10 entries

Search:

Start or Submit Work

Are you sure want to commit changes?

No Yes

Sr No.	Task Name	Task Description	Task Assign From	Task Status	Actions
1	Floor Work	DFGDRE FBMFDNMDGVDRFBH MFB DSFCASWFGVEPADFKWGQPOEM OBGKAP[DEGM MFAEOFEDRKFQWPM FMBDEOKEWPRFKEGBVMO 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	objngpdfbjgpdnbjp	Ab cd	Not Started	⋮
5	GDFSGVDFS	BVGFBGFBGBVFCXDHBTYDN HB NGYHMJTHEWRWASEGRT6KIOIUTDGFSEDRGRFDASZF	Aalok Agarval	Complete	⋮
6	fwedsvgdfsgbv	dfdfsbhg rfhregrhrgedhbfrtgrffg	Ab cd	Not Started	⋮
7	dsd	sdsdswdswdswdw	Aalok Agarval	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 DSFCASWFGVEPADFKWGQPOEM OBGKAP[DEGM MFAEOFEDRKFQWPM FMBDEOKEWPRFKEGBVMO 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]

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 Agarwal	aalok@gmail.com	2020-01-01		Interior	HOD	⋮
21	Mayuri Gami	mayu@gmail.com	2020-01-01		Interior	Intern	⋮

New Employee

Employee Code: 51

Fill Up Details

First Name *	Last Name *	
Gender *	Date Of Birth *	Mobile No. *
Select Gender	mm/dd/yyyy	
Description		
Email Address *		
Resident Address		
Department *	Designation *	
Select Department	Select Designation	

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All Employees

Delete Employee

Are you sure want to remove employee permanently?

TOTAL
28 Employees

INTERNS
5 Employees

+ Add Employee

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	⋮

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All Users

Users List

Show 10 entries

+ Add User

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

	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.

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.

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.

6. BIBLIOGRAPHY & REFERENCES

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- <https://jquery.com/>