

**Conception et développement d'une
application web de gestion de stock**

PLAN



Introduction



Spécification des exigences



Conception



Réalisation et implémentation



Conclusion et perspectives



Introduction

Organisme d'accueil :OEM Engineering



Entreprise tunisienne de service d'ingénierie dédiée totalement à l'exportation

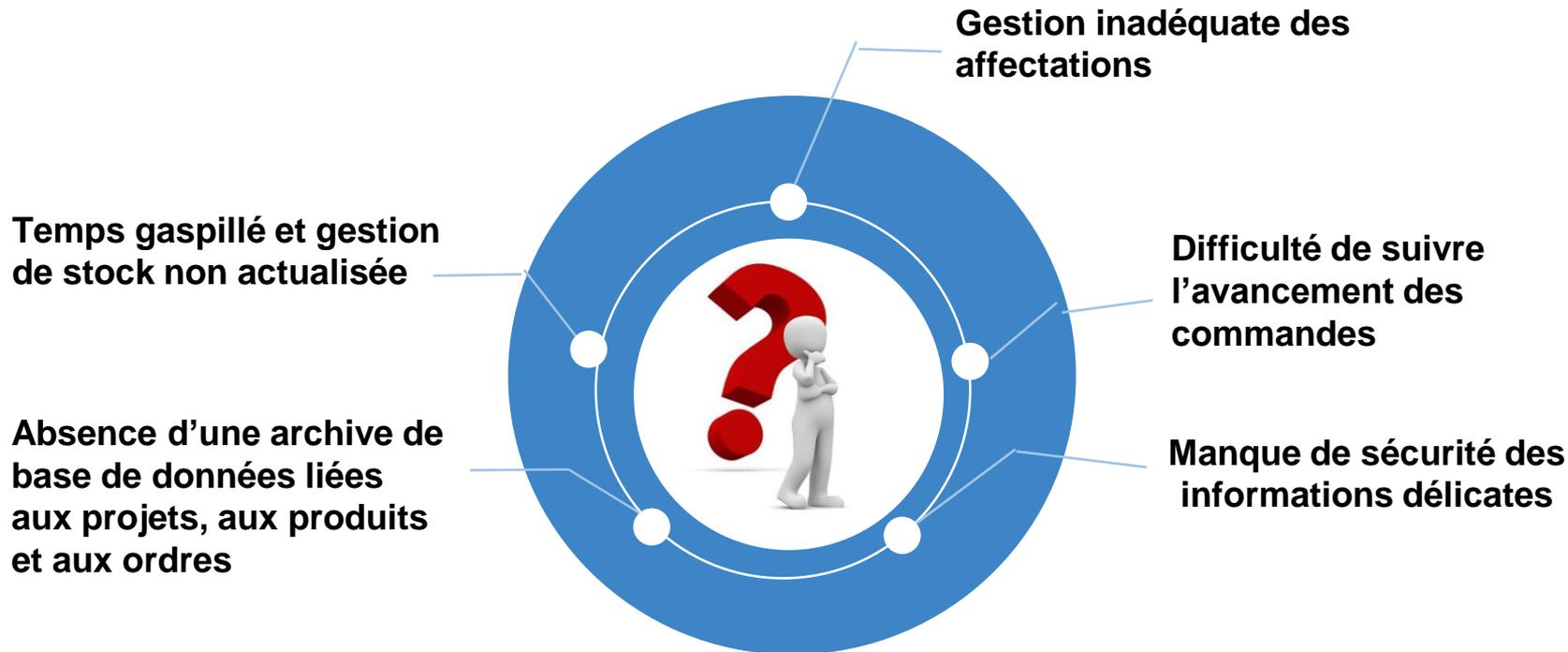
Fondée en 2021

Dépasse la barre de 20 ingénieurs et techniciens issus de différentes formations

Développement des machines spéciales dans le domaine de la vision hyper-spectrale

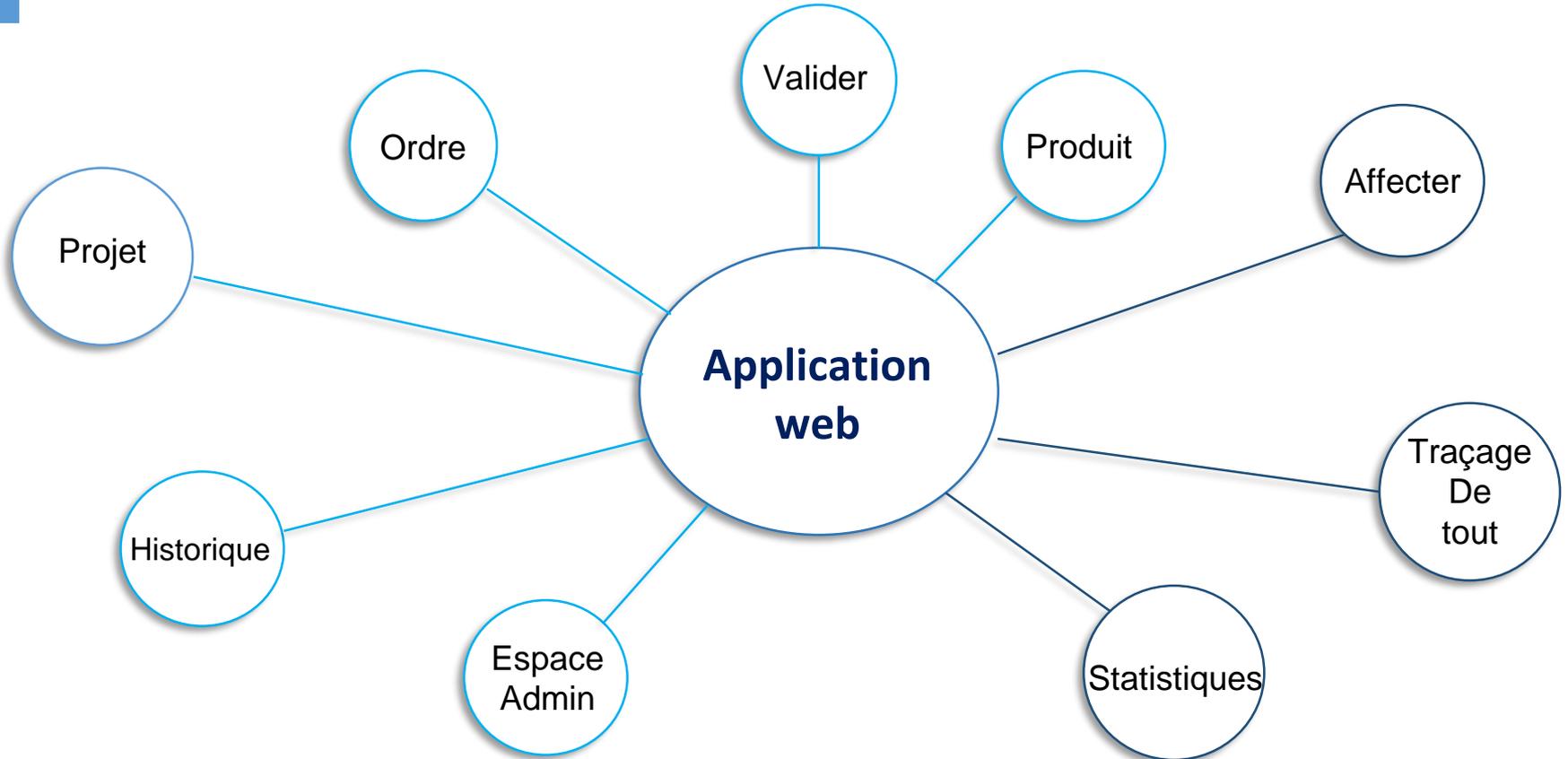
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Problématique



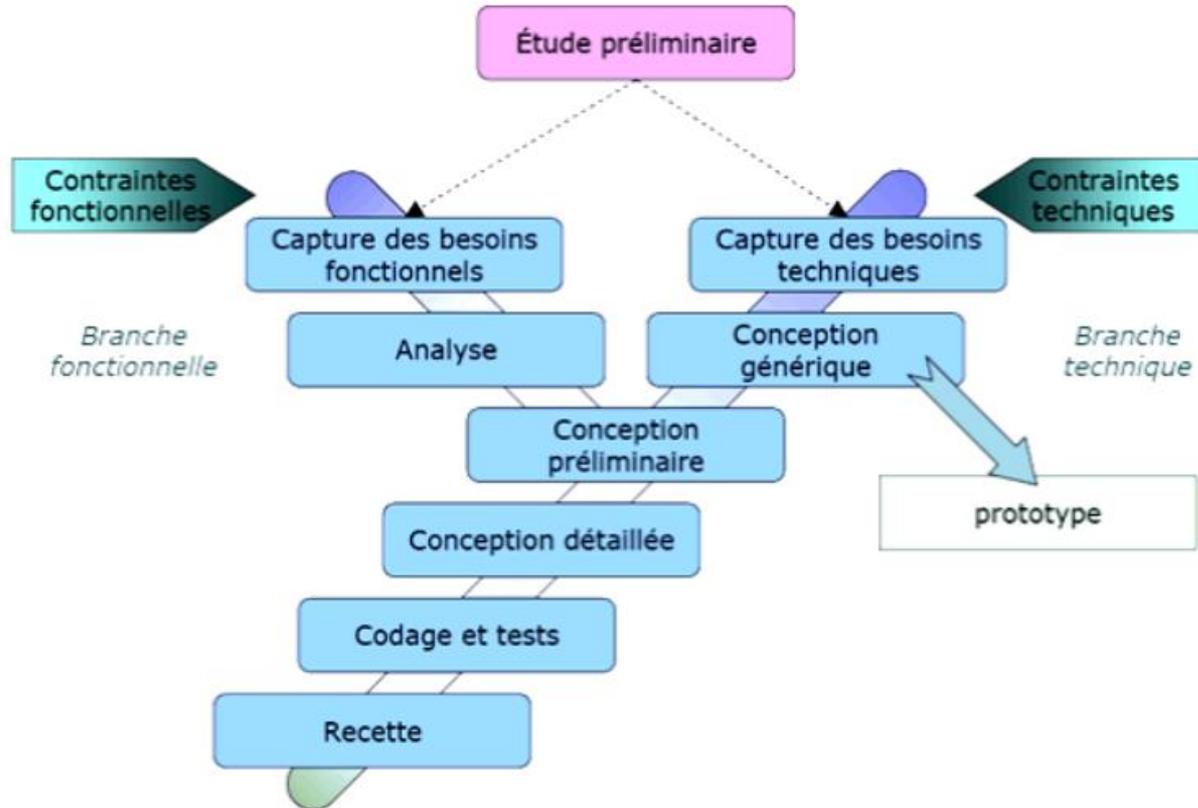
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Solution



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Méthodologie adoptée : zTUP



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Exigences fonctionnelles

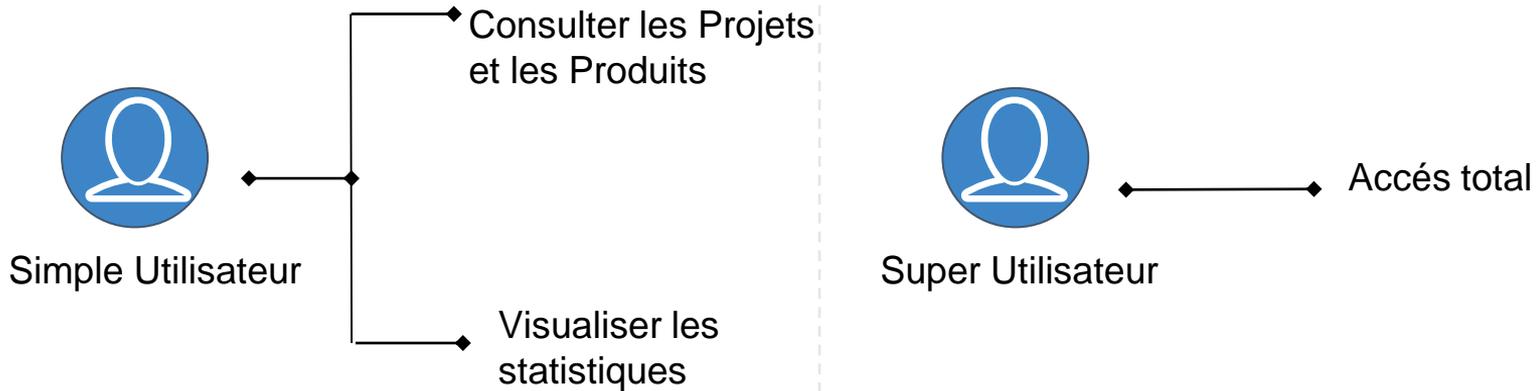
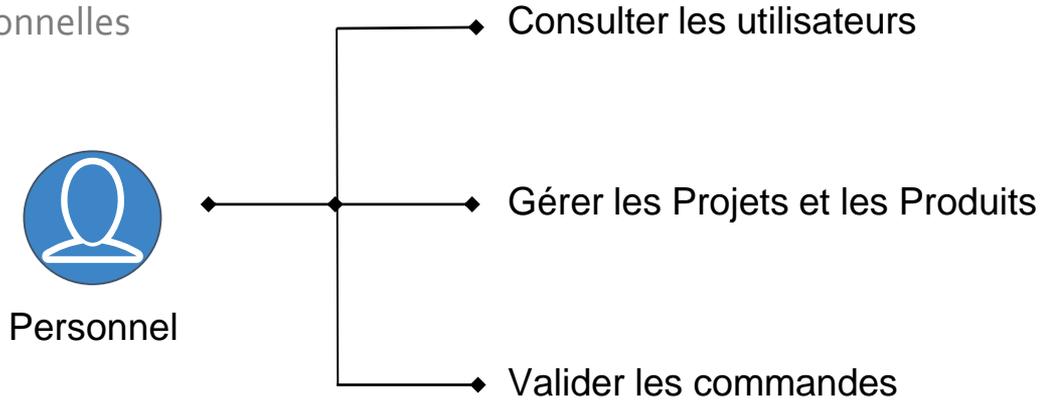
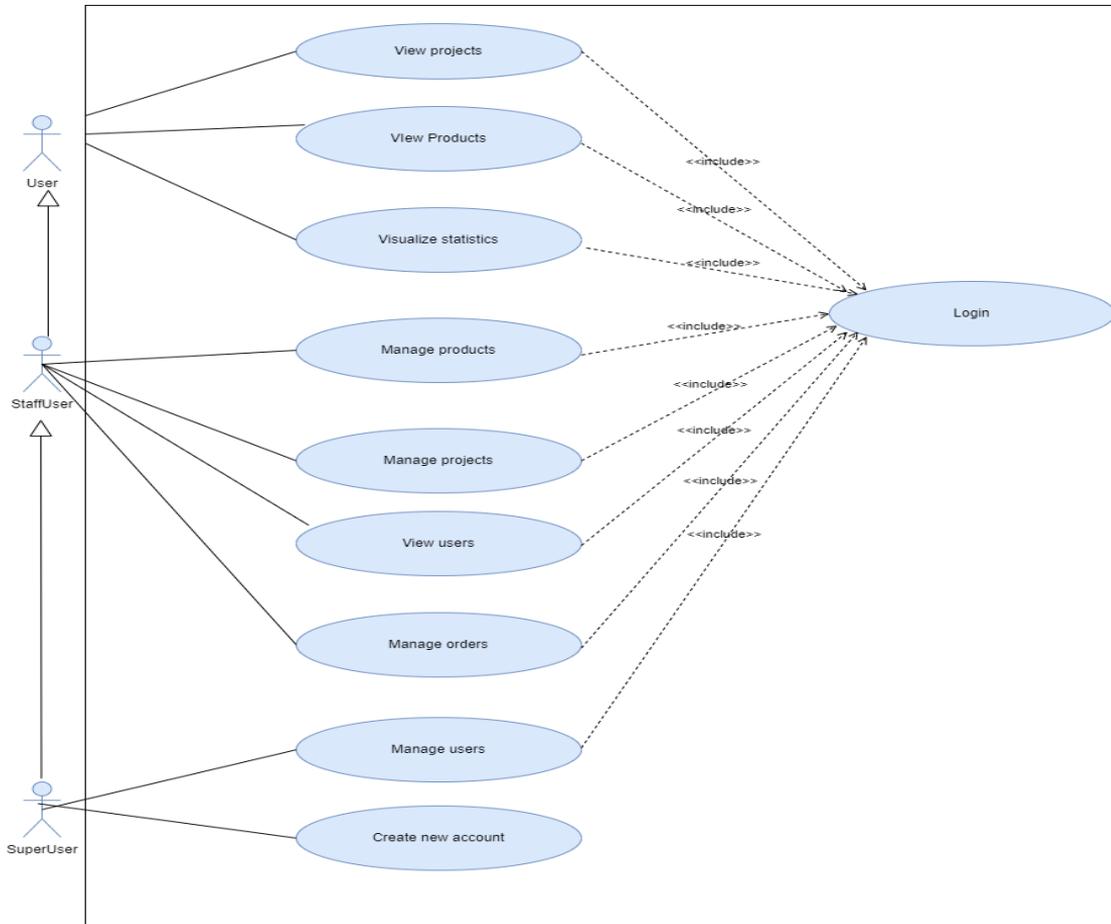
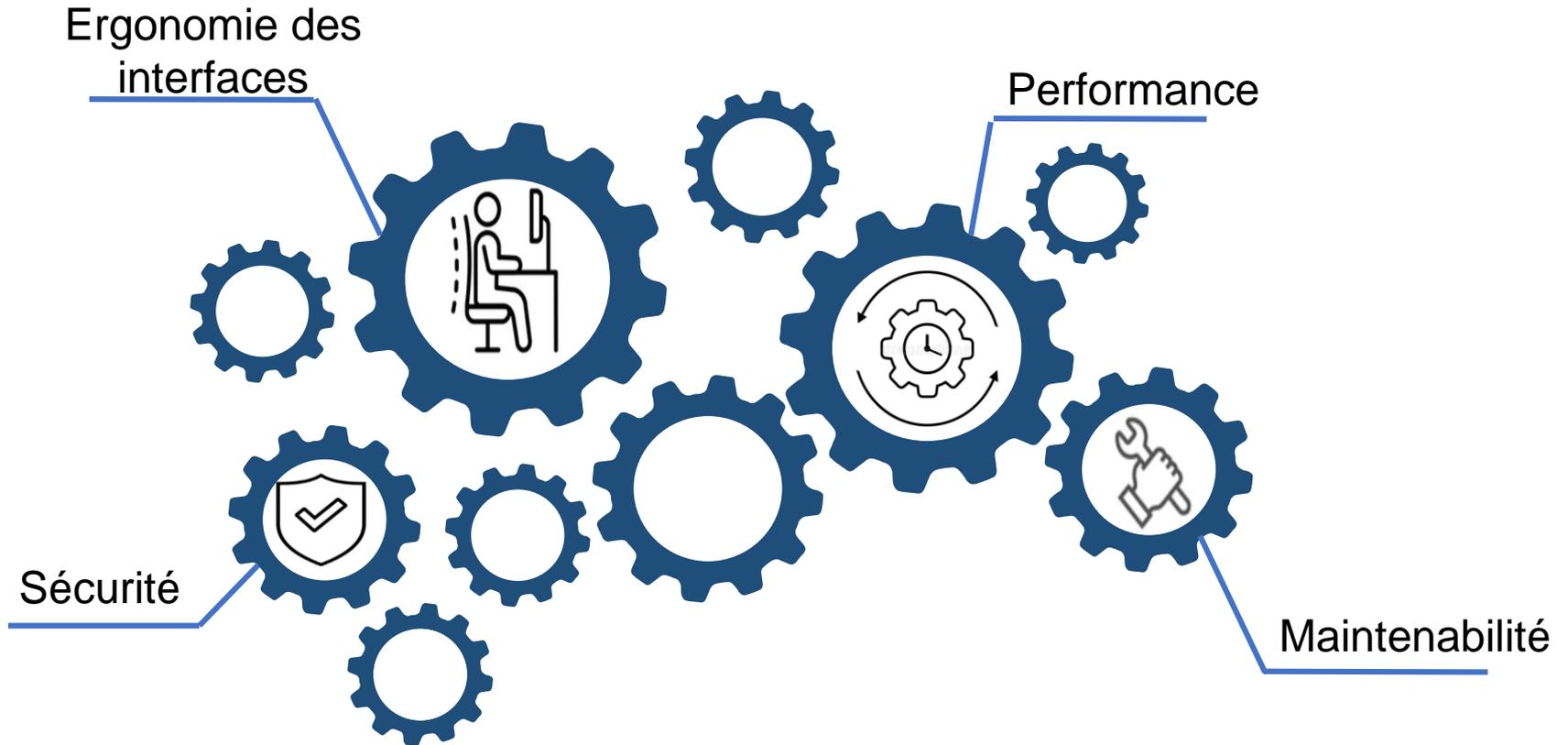


Diagramme de cas d'utilisation



Spécification des exigences

Exigences non fonctionnelles



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Réalisation et implémentation

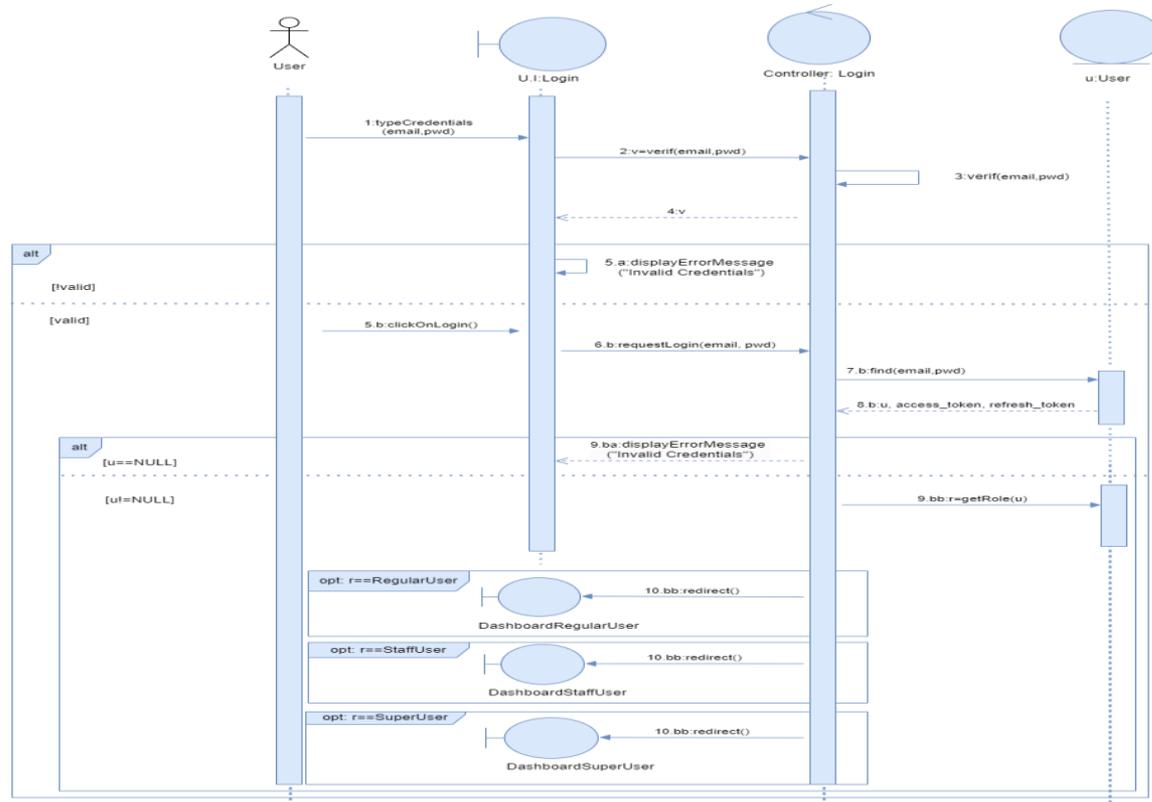


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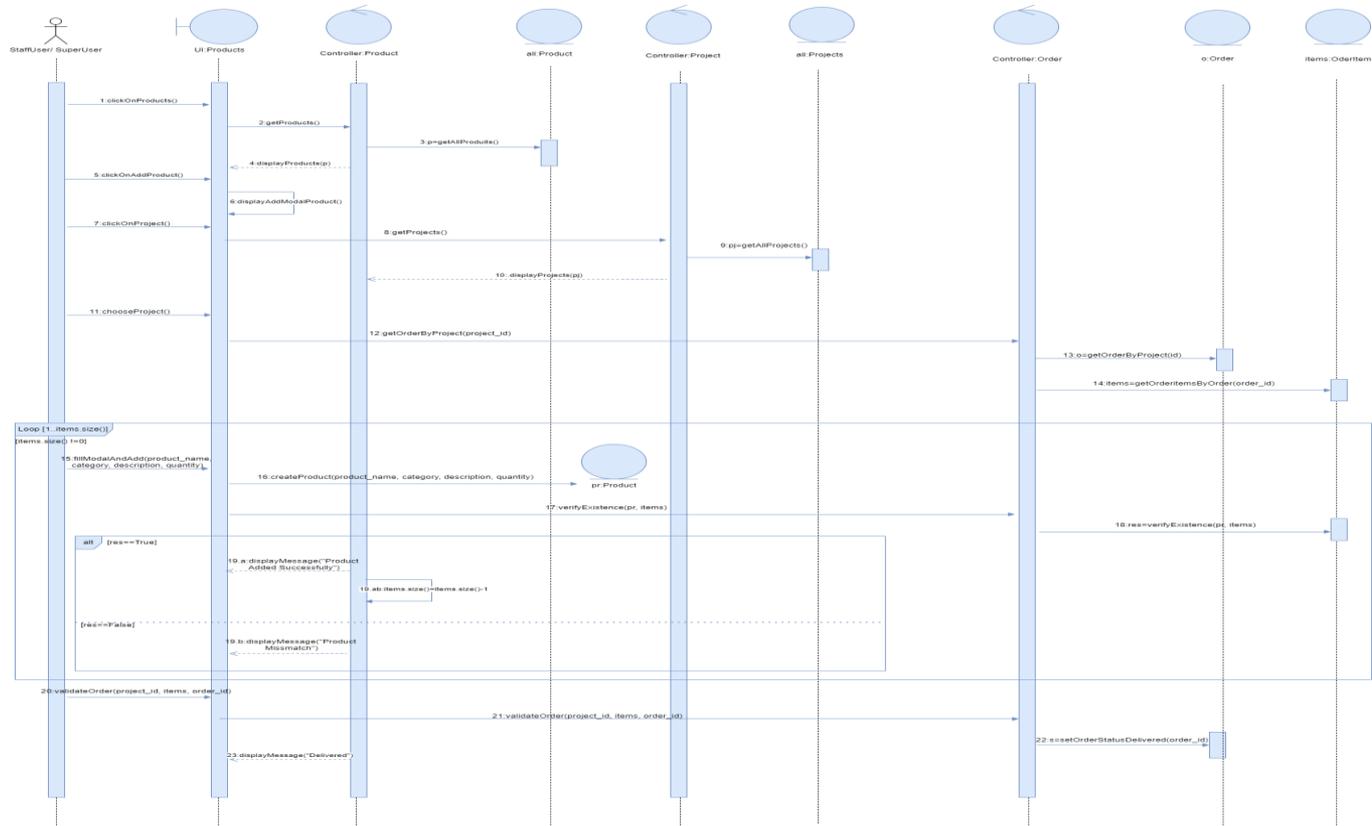
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Diagramme de séquence "S'authentifier"



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Diagramme de séquence "Valider Commande"



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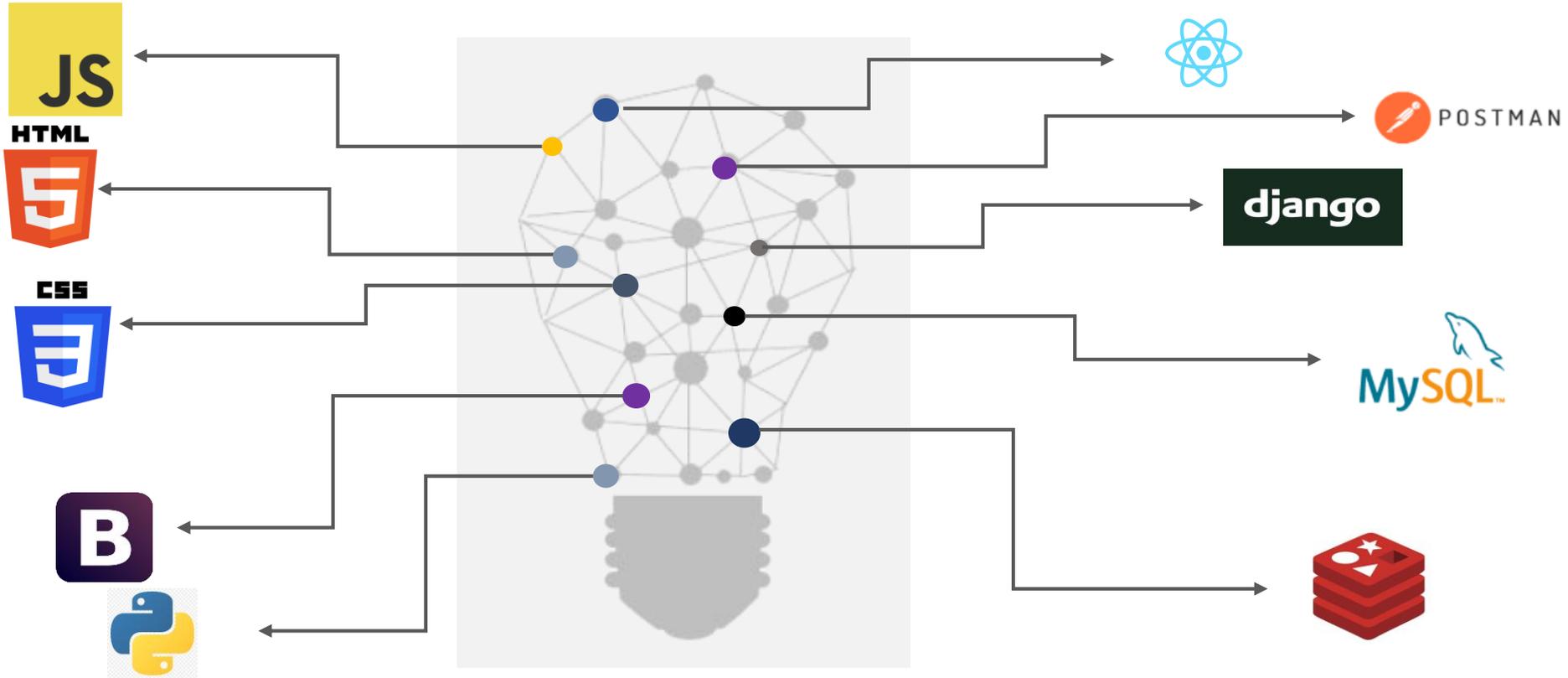


Conclusion et perspectives



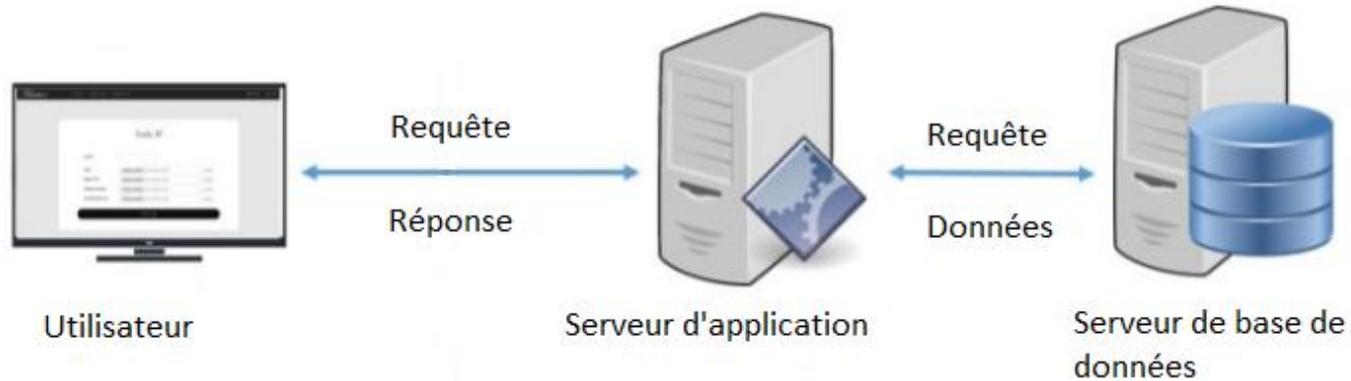
Réalisation et implémentation

Environnement logiciel et langages de programmation



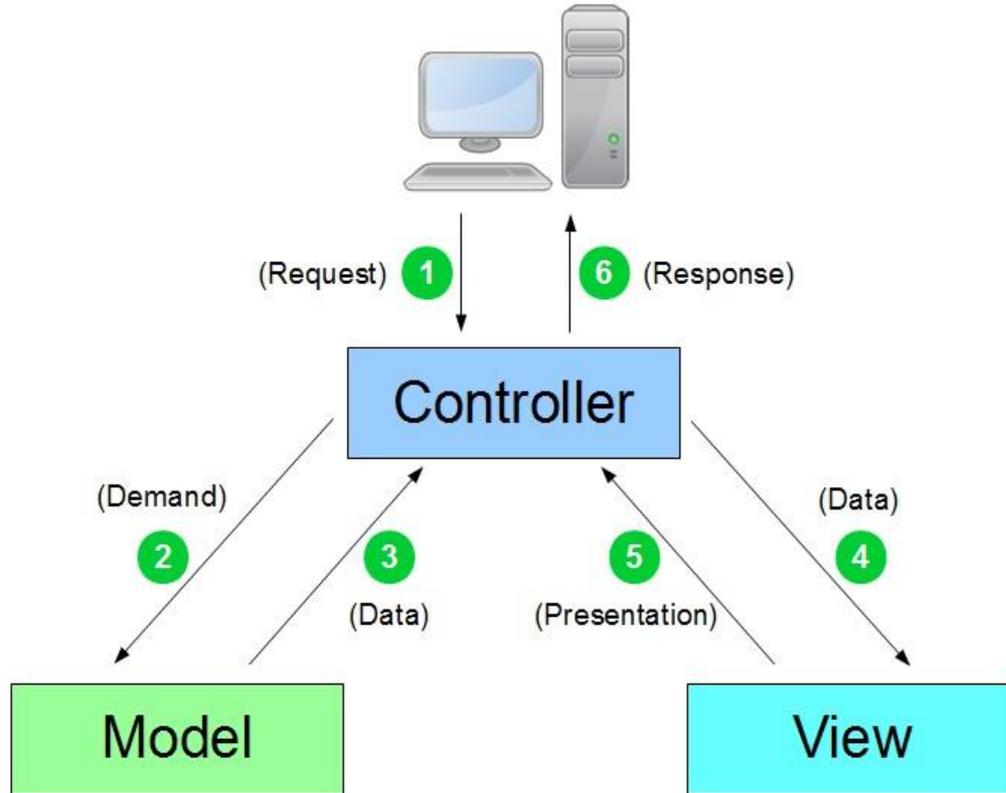
Réalisation et implémentation

Architecture physique de l'application



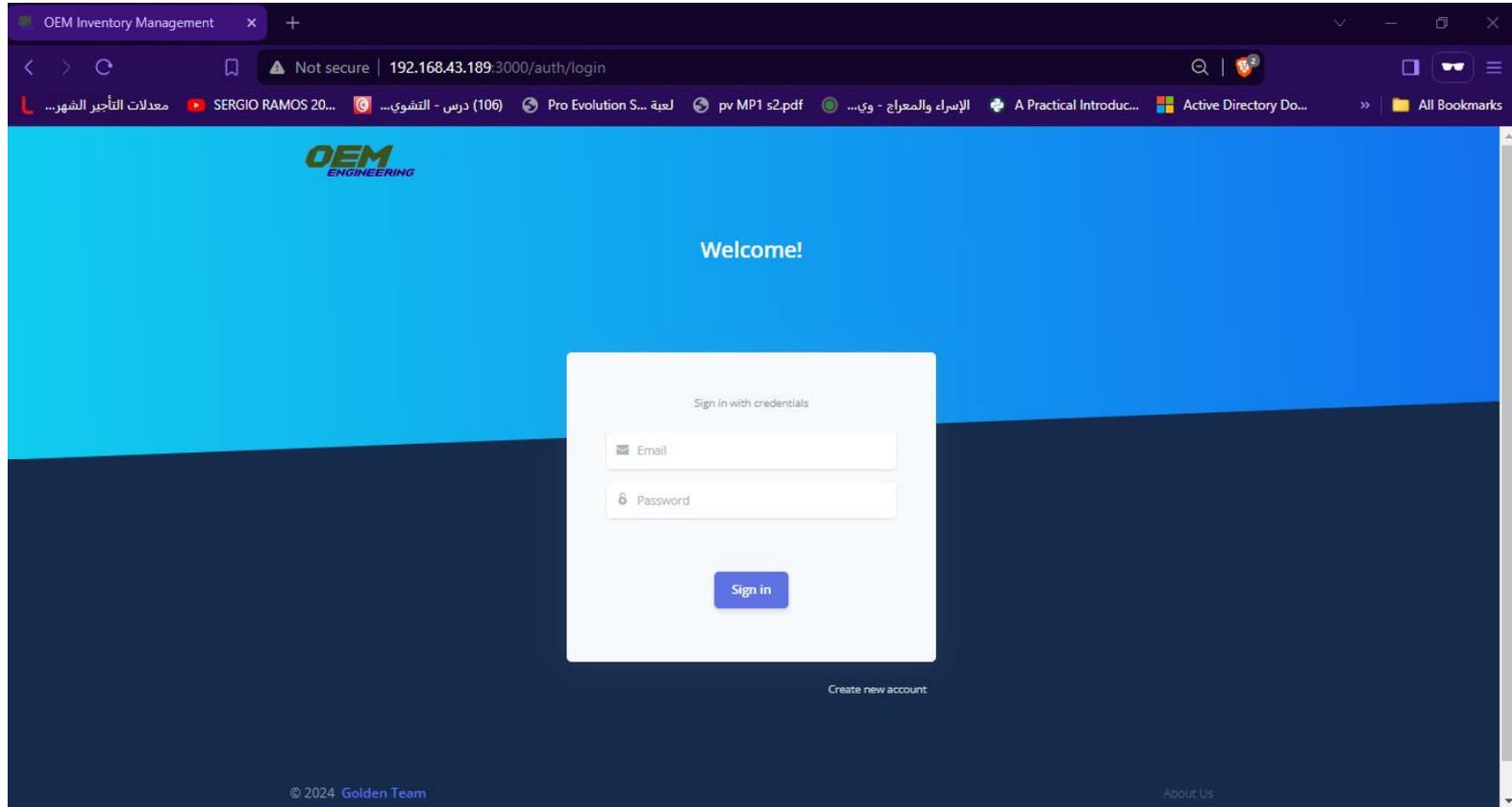
Réalisation et implémentation

Architecture logique de l'application



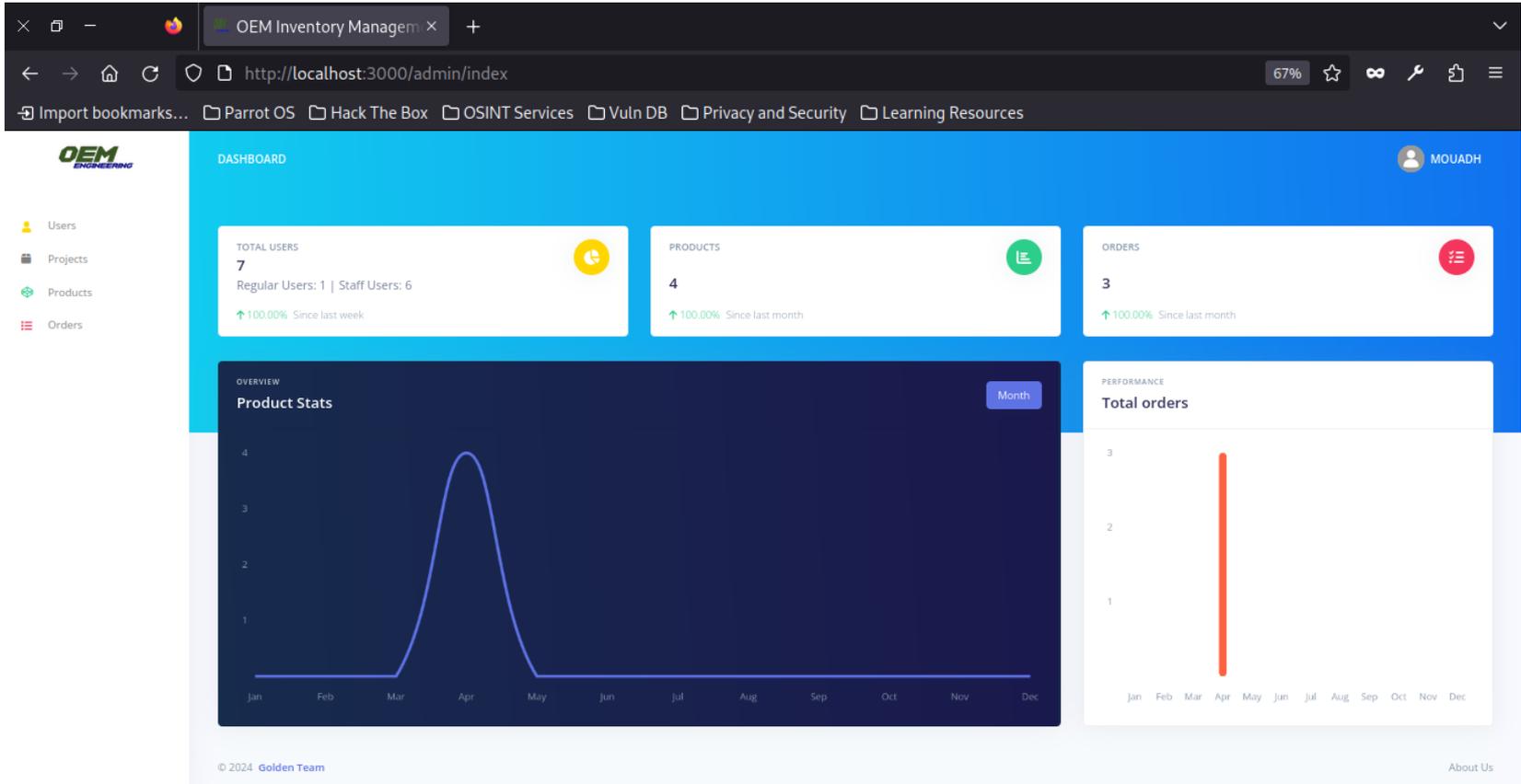
Réalisation et implémentation

Interface d'authentification



Réalisation et implémentation

Interface du tableau de bord



Réalisation et implémentation

Interface des utilisateurs

The screenshot displays the 'OEM Inventory Management' application interface. The browser address bar shows the URL 'http://localhost:3000/admin/users'. The dashboard features three summary cards: 'TOTAL USERS' (7, with 1 Regular and 6 Staff Users), 'PRODUCTS' (4), and 'ORDERS' (3). All three cards show a 100.00% increase since the last month. Below these cards is a 'Users' table with an 'Add User' button. The table lists five users with their IDs, usernames, emails, roles, and permission levels. Each user has edit and delete icons in the 'ACTIONS' column. The footer includes '© 2024 Golden Team' and an 'About Us' link.

USER ID	USERNAME	EMAIL	ROLE	PERMISSION LEVEL	ACTIONS
1	mouadh	mouadh@test.com	Super User	Admin	
2	regular	regular@regular.com	Regular User	Viewer	
3	staff1	staff1@staff.com	Staff User	Create	
4	staff2	staff2@staff.com	Staff User	Update	
5	staff3	staff3@staff.com	Staff User	Create, Delete	

Réalisation et implémentation

Interface des projets

The screenshot displays the 'OEM Inventory Management' dashboard. The browser address bar shows 'http://localhost:3000/admin/projects'. The dashboard features a sidebar with navigation options: Users, Projects, Products, and Orders. The main content area is titled 'DASHBOARD' and includes three summary cards: 'TOTAL USERS' (7, with 1 Regular and 6 Staff users, up 100.00% since last week), 'PRODUCTS' (4, up 100.00% since last month), and 'ORDERS' (3, up 100.00% since last month). Below these cards is a 'Projects' table with columns for Project ID, Project Name, Description, and Actions. The table lists three projects: Project1 (mechanical staff), Project2 (electrical staff), and Project3 (material staff). An 'Add Project' button is located in the top right of the table area. The footer includes '© 2024 Golden Team' and 'About Us'.

Users
7
Regular Users: 1 | Staff Users: 6
↑ 100.00% Since last week

PRODUCTS
4
↑ 100.00% Since last month

ORDERS
3
↑ 100.00% Since last month

Projects [Add Project](#)

PROJECT ID	PROJECT NAME	DESCRIPTION	ACTIONS
1	Project1	mechanical staff	
2	Project2	electrical staff	
3	Project3	material staff	

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Réalisation et implémentation

Interface des produits

The screenshot displays the 'OEM Inventory Management' web application. The browser address bar shows the URL 'http://localhost:3000/admin/products'. The dashboard features a blue header with the 'OEM ENGINEERING' logo on the left and the user name 'MOUADH' on the right. A left sidebar contains navigation links for 'Users', 'Projects', 'Products', and 'Orders'. The main content area is titled 'DASHBOARD' and contains three summary cards: 'TOTAL USERS' (7), 'PRODUCTS' (4), and 'ORDERS' (3). Each card shows a 100.00% increase since the last week or month. Below the cards is a search bar and an 'Add Product' button. A table lists the products with columns for ID, Name, Description, Current/Previous Project Name, Change Date, Creator, Modifier, Quantity, and Actions.

PRODUCT ID	PRODUCT NAME	DESCRIPTION	CURRENT PROJECT NAME	PREVIOUS PROJECT NAME	CHANGE DATE	CREATOR	MODIFIER	QUANTITY	ACTIONS
1	Wheels	Wheels	Project3	Project1	2024-04-21T13:54:15	staff1	mouadh	9	
2	Sensor	sensor	Project1	No changes	No change detected	mouadh	Null	3	
3	Turbines	Turbines	Project1	No changes	No change detected	mouadh	Null	1	
4	power supply	power supply	Project2	No changes	No change detected	staff1	Null	7	

Réalisation et implémentation

Interface des commandes

The screenshot displays the 'OEM Inventory Management' web application. The browser address bar shows the URL `http://localhost:3000/admin/orders`. The application header includes the 'OEM ENGINEERING' logo, a 'DASHBOARD' title, and a user profile for 'MOUADH'. A left sidebar contains navigation links for 'Users', 'Projects', 'Products', and 'Orders'. The main dashboard area features three summary cards: 'TOTAL USERS' (7, with 1 Regular and 6 Staff users, up 100.00% since last week), 'PRODUCTS' (4, up 100.00% since last month), and 'ORDERS' (3, up 100.00% since last month). Below these cards is an 'Orders' table with the following data:

ORDER ID	PROJECT NAME	SUPPLIER NAME	PRODUCT NAME	QUANTITY	CREATION TIME	STATUS
1	Project1	MecCompany	All products have been created	No Quantities, Products have been created	2024-04-21T13:47:22	delivered
2	Project2	ElecCompany	• southwire	• 3	2024-04-21T13:48:11	ordered
3	Project3	MatCompany	• Iron • Plastic • Aluminium	• 5 • 3 • 1	2024-04-21T13:49:16	ordered

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Conclusion

Objectifs atteints

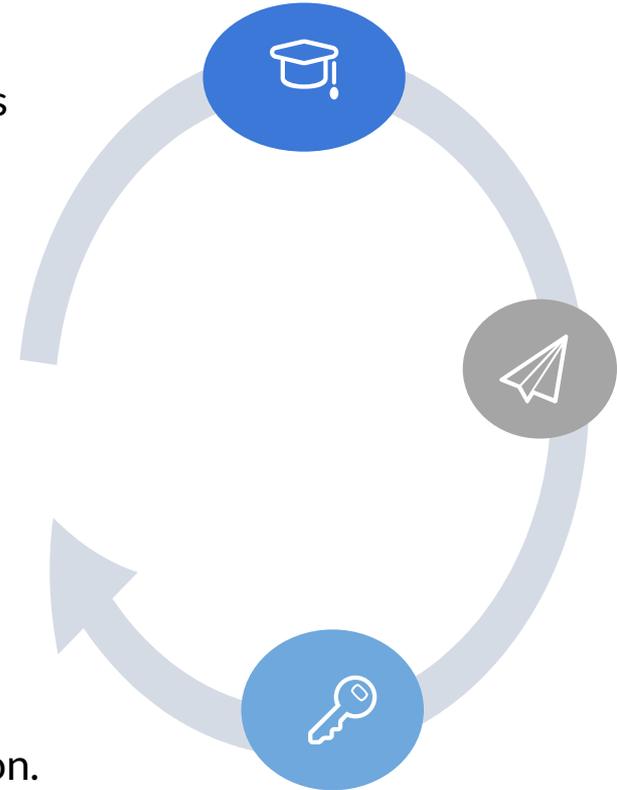
- Mise en place d'une application web qui répond aux besoins de l'entreprise.

Les atouts

- Approfondir des connaissances et explorer de nouveaux domaines .
- Mettre en évidence notre savoir-faire et s'intégrer dans le monde professionnel.

Difficulté

- Nouvelles technologies à maîtriser dans leur dernière version.





■ Utilisation des services Cloud pour la facilité de mise en place, la scalabilité automatique, haute disponibilité ainsi que le monitoring pour surveillance.

■ Intégration et Déploiement Continu (CI/CD).