

# **Software Requirements Specification**

**for**

# **Shipment Tracking and Optimization System**

**Version 1.0 approved**

**Prepared by**

**Agilera Perez Jesus Abraham**

**Alvarez Galindo Aldo Yamil**

**Mayo Ramos Angel David**

**Muñoz Reynoso Oscar Gael**

**UTT**

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Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

Our purpose is to create a web application that is capable of managing the distribution and logistics of a complex of warehouses, being able to program the shipments and have control of the stock of each warehouse. In addition, the software must be able to manage different kinds of users and employees.

## 1.2 Document Conventions

*This Software Requirements Specification (SRS) uses the following conventions:*

- *Requirements are numbered hierarchically (e.g., 1.0, 1.1, 1.1.1)*
- *"Must" indicates a mandatory requirement*
- *"Should" indicates a desirable requirement*
- *"May" indicates an optional requirement*
- *Use cases are written in present tense*
- *Glossary terms are highlighted in bold when first used*

*The priority of a higher-level requirement is assumed to apply to all its sub-requirements unless explicitly stated otherwise.*

## 1.3 Intended Audience and Reading Suggestions

*This document is intended for the following audience:*

- *Project Managers: To understand the scope and timeline of the project*
- *Developers: To understand the technical requirements and system architecture*
- *QA Testers: To develop test plans and scenarios*
- *Logistics Managers: To understand how the system will integrate with existing processes*
- *Stakeholders: To review and approve the project scope and features*

*Reading suggestions:*

- *All readers should start with sections 1 (Introduction) and 2 (Overall Description) for a high-level overview.*
- *Project Managers and Stakeholders should focus on sections 1.4 (Project Scope) and 3 (System Features).*
- *Developers should pay special attention to sections 4 (External Interface Requirements) and 3 (System Features).*
- *QA Testers should concentrate on sections 3 (System Features) and 5 (Other Nonfunctional Requirements).*
- *Logistics Managers should focus on sections 1.4 (Project Scope), 3 (System Features), and Appendix A (Glossary) for industry-specific terms.*

## 1.4 Project Scope

*The Shipment Tracking and Optimization System (STOS) is a comprehensive software solution designed to streamline and enhance the logistics and distribution operations of Global Logistics Inc. The system aims to provide real-time tracking, route optimization, and inventory management for shipments across various transportation modes.*

*Key objectives:*

- *Improve shipment visibility and traceability*
- *Optimize route planning and reduce transportation costs*
- *Enhance inventory management and reduce stockouts*
- *Increase customer satisfaction through timely deliveries*
- *Streamline communication between stakeholders in the supply chain*

*The STOS aligns with Global Logistics Inc.'s strategic goal of becoming the leading tech-driven logistics provider in the industry. By leveraging advanced algorithms and real-time data, the system will enable the company to offer faster, more reliable, and cost-effective shipping solutions to its clients.*

*This SRS covers the initial release (v1.0) of the STOS, which will focus on core functionalities such as shipment tracking, basic route optimization, and inventory management.*

## 1.5 References

[https://dspmuranchi.ac.in/pdf/Blog/srs\\_template-ieee.pdf](https://dspmuranchi.ac.in/pdf/Blog/srs_template-ieee.pdf)

# 2. Overall Description

## 2.1 Product Perspective

This web application will be designed to be a personalized version of logistics and distribution systems, which is capable of working together with other systems within the same company to better manage orders placed at the warehouses of the companies in which it is implemented.

## 2.2 Product Features

This software must be characterized by being an easy-to-use tracking system, designed to control shipments within a company's warehouse. It offers various functions, such as user management based on their roles within the company, granting them access to specific features of the program. The system also allows for the management of package assembly and the assignment of employees to perform necessary tasks based on their roles.

Additionally, the system tracks a history for each shipped package to provide up-to-date location information. Users can view details such as insurance information, package contents, recipient data, origin, destination, and transit points. These locations can be updated by drivers.

Administrative staff will be able to assign packages to employees, whether for assembly or delivery, and access the entire system's information. Employees can check the contents of the packages assigned to them as well as the vehicles assigned for delivery. Drivers will have access to the details of all packages assigned to them, customer information, and the ability to update the package location, which will be added to the shipment history. Customers will be able to track the location of their orders.

## **2.3 User Classes and Features**

**Supervisor User:** This user must have full access to all relevant functions of the web application, with the ability to freely modify and insert data into the system.

**Driver User:** This user will have access only to the sections necessary for deliveries, which include the assigned packages for delivery, the assigned vehicle, customer information, and the history section where they can update the order's location, which will be appended to the order's history.

**Worker User:** This user will have access to the information of the assigned orders for preparation, details of the vehicles assigned to each package, inventory information, and customer information to know the destination of the order.

**Client User:** This user will have access to the history section to track their order's location, the transporter's information, and the incidents section where they can report issues with their order.

## **2.4 Operating Environment**

The system will be deployed on a private server within the purchasing company's infrastructure. It will be designed exclusively for use by warehouse personnel, ensuring restricted access to authorized users only. To interact with the system, users must possess valid credentials and an active account within the system.

## **2.5 Design and Implementation Constraints**

For design and implementation constraints we have as main constraint that the use of HTML, CSS, Javascript and PHP is obligatory. We're not allowed to use frameworks such as bootstrap or react, also we're not allowed to use non-relational databases.

In order for the program to work properly we analyzed common requirements for these kind of web applications, based on that we can share the following recommended requirements for a smooth experience:

Operating Systems:

Desktop: Windows 7+, macOS 10.13+, Linux (Ubuntu, Fedora)

Mobile: iOS 11+, Android 7.0+

Browsers (latest versions):

Chrome

Firefox  
Safari  
Edge

**Hardware Requirements:**

Desktop/Laptop:

Processor: Dual-core (Intel i3, AMD Ryzen 3, or equivalent)

RAM: 4 GB minimum (8 GB recommended)

Storage: 100 MB for browser cache; no major storage requirements

Display: 1024x768 resolution or higher

Mobile Devices:

Processor: ARM Cortex-A53, Apple A10, or equivalent

RAM: 2 GB minimum

Storage: No significant requirement apart from browser cache

## **2.6 User Documentation**

[Still in process]

## **2.7 Assumptions and Dependencies**

### **Operating System and Web Browser Compatibility**

We're assuming that every user has access to a compatible browser in order to use the web application.

### **System Capacity and Available Resources**

Hardware and resource requirements, including processing power, memory, and storage necessary for optimal performance.

### **Performance Requirements**

We're assuming that the target audience fulfills all the performance requirements, and we're not planning further support for devices under the expected requirements.

### **Third-Party Application Dependencies**

We expect that the user has all expected dependencies in order for the program to work.

### **Development Environment Dependencies**

We're assuming that every developer will have the right device to work on the development, in order to fulfill that expectations we will give computers to every developer

## **3. System Features**

Package Tracking System

### **3.1.1 Description and Priority**

This feature enables the tracking of packages through real-time updates provided by drivers. Additionally, it calculates the remaining time until delivery. This is a high-priority feature as it is the core function of the system.

### 3.1.2 Stimulus/Response Sequences

User logs into the system  
Enters their username and password  
The system verifies the user's role  
If the user is a client, they can view their package's location and the remaining delivery time  
If there is an issue with the package, the user can file a complaint  
If no complaint is filed, the order is marked as completed

### 3.1.3 Functional Requirements

REQ-1: The system must display the most up-to-date package location.  
REQ-2: The system must recognize each user's role and grant access to specific areas accordingly.  
REQ-3: The system must allow clients to file complaints in case of issues with their packages.  
REQ-4: Drivers must be able to mark an order as completed and update the package's status.  
Employee Task Management

### Non Functional Requirements

Usability  
Performance  
Compatibility  
Maintainability

### 3.2.1 Description and Priority

This feature allows the assignment of tasks to employees, management of work teams, and access to inventory information. It is a high-priority feature as it is crucial for the correct operation of the system.

### 3.2.2 Stimulus/Response Sequences

User logs into the system  
Enters their username and password  
The system verifies the user's role  
If the user is a supervisor, they can access all system functions  
Supervisors can assign tasks to employees  
Supervisors can view all system information

### 3.2.3 Functional Requirements

REQ-1: The system must manage employees and assign them their necessary tasks.  
REQ-2: The system must recognize each user's role and grant access to specific areas accordingly.  
REQ-3: The system must store information instantly.  
REQ-4: Employees must only view information about the orders assigned to them.  
REQ-5: Supervisors must be able to access all system functions, whether to modify information or assign tasks to other employees.



## Role-Based Access Control

### Non Functional Requirements

Security

Usability

Compatibility

#### 3.3.1 Description and Priority

This feature ensures that access to system functions is based on user roles, which is essential for information security and proper distribution of responsibilities.

This is a high-priority feature as it protects sensitive data and maintains system integrity.

#### 3.3.2 Stimulus/Response Sequences

User logs into the system

Enters their username and password

The system verifies the user's role

If the user is a client, they can view their package's location and delivery time

If the user is a supervisor, they can access all system functions

If the user is a driver, they can view assigned packages, customer information, and update the package status and location

If the user is an employee, they can access the assigned orders for assembly and vehicle information

#### 3.3.3 Functional Requirements

REQ-1: The system must display the most up-to-date package location.

REQ-2: The system must manage employees and assign them their necessary tasks.

REQ-3: The system must recognize each user's role and grant access to specific areas accordingly.

REQ-4: The system must store information instantly.

REQ-5: The system must allow clients to file complaints in case of issues with their packages.

REQ-6: Drivers must be able to mark an order as completed and update the package's status.

REQ-7: Employees must only view information about the orders assigned to them.

REQ-8: Supervisors must be able to access all system functions, whether to modify information or assign tasks to other employees.

### Non functional requirements

Security

Scalability

## **4. External Interface Requirements**

### **4.1 User Interfaces**

#### **Web Interface**

Accessible to all users, allowing them to perform their assigned functions.

### **Client Portal**

A web platform for clients to track their shipments.

### **Mobile Application**

Designed for drivers and employees to view the orders assigned to them.

## **4.2 Hardware Interfaces**

### **Mobile Connectivity**

Mobile devices used by drivers will require continuous internet connectivity.

## **4.3 Software Interfaces**

### **Programs**

Visual Studio Code: This IDE will be used for the compilation and gestion of the project

Xampp We'll be using XAMPP to manage our database

### **Third-party services**

Hosting server: We'll be using hosting to allocate our web application.

## **4.4 Communications Interfaces**

### **HTTP/HTTPS Protocols**

Used for communication between the mobile application, web platform, and backend system.

# **5. Other Nonfunctional Requirements**

## **5.1 Performance Requirements**

### **Simultaneous Shipment Handling**

The system must be able to manage a minimum of 100 simultaneous shipments.

### **Role-Based Access Control**

The system must grant access to specific program functions based on each user's role.

### **Scalability**

The system must be scalable to accommodate updates and system growth.

### **Portability and Usability**

The system must be portable and user-friendly.

## **5.2 Safety Requirements**

### **Unauthorized Access Prevention**

The system must prevent unauthorized access to sensitive shipment data.

### **Industry Security Standards Compliance**

The system must adhere to industry security standards to ensure data protection and prevent misuse of shipment location information.

## **5.3 Software Quality Attributes**

### **Availability**

The system must have high availability.

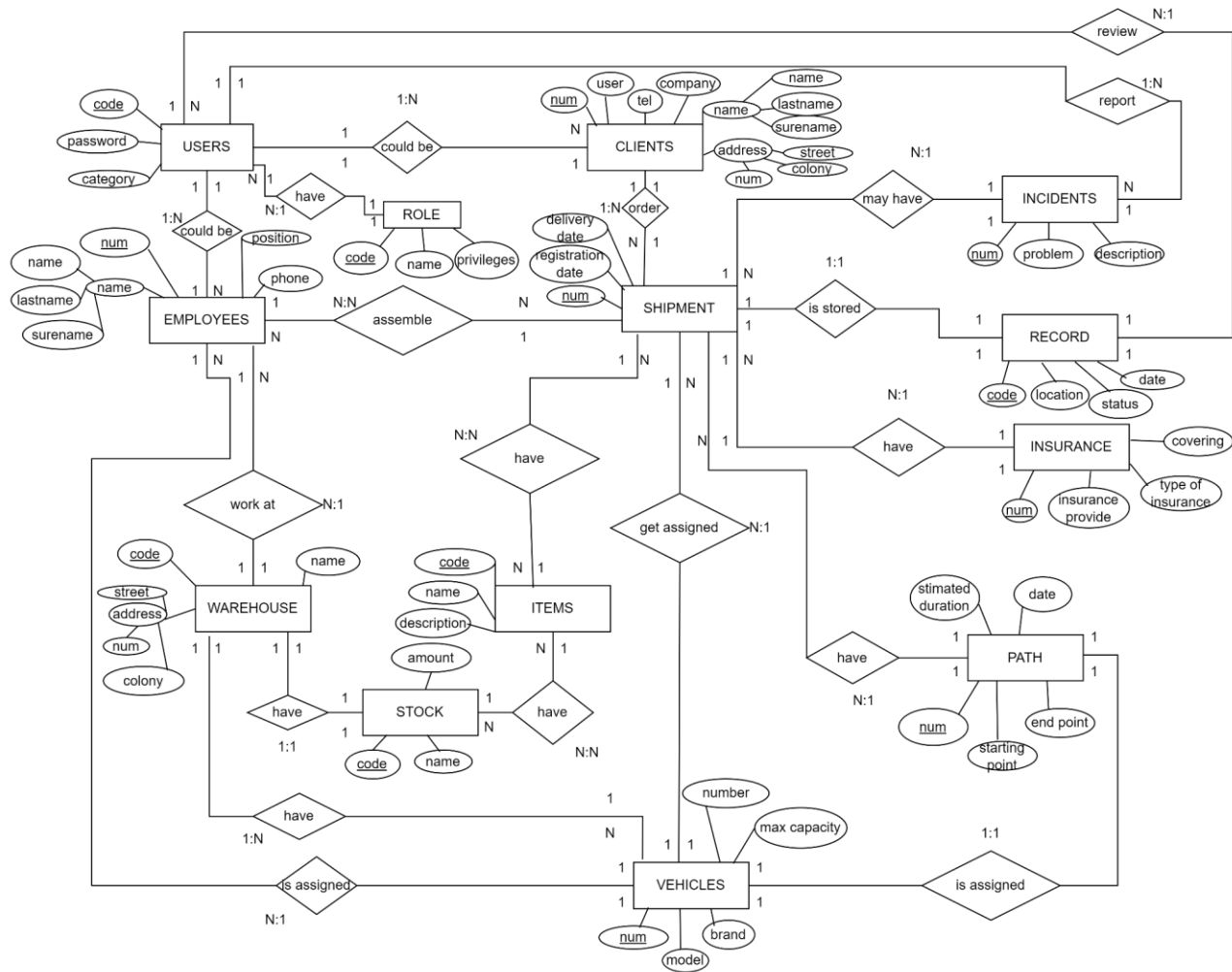
### **Scalability**

The system must be scalable to accommodate a growing number of shipments and users.

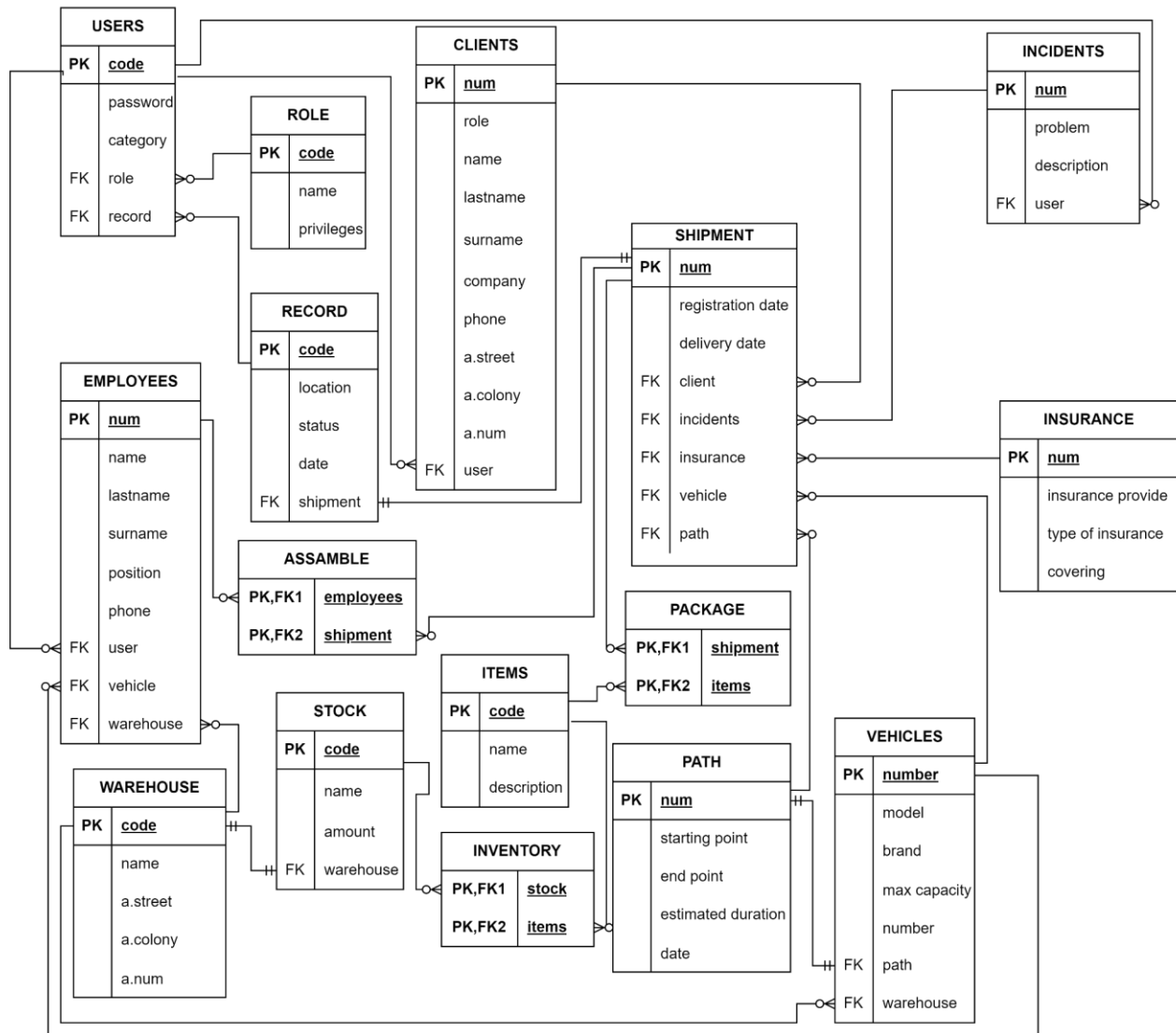
### **Usability**

The user interface must be intuitive and provide response times of less than 5 seconds for critical functions.

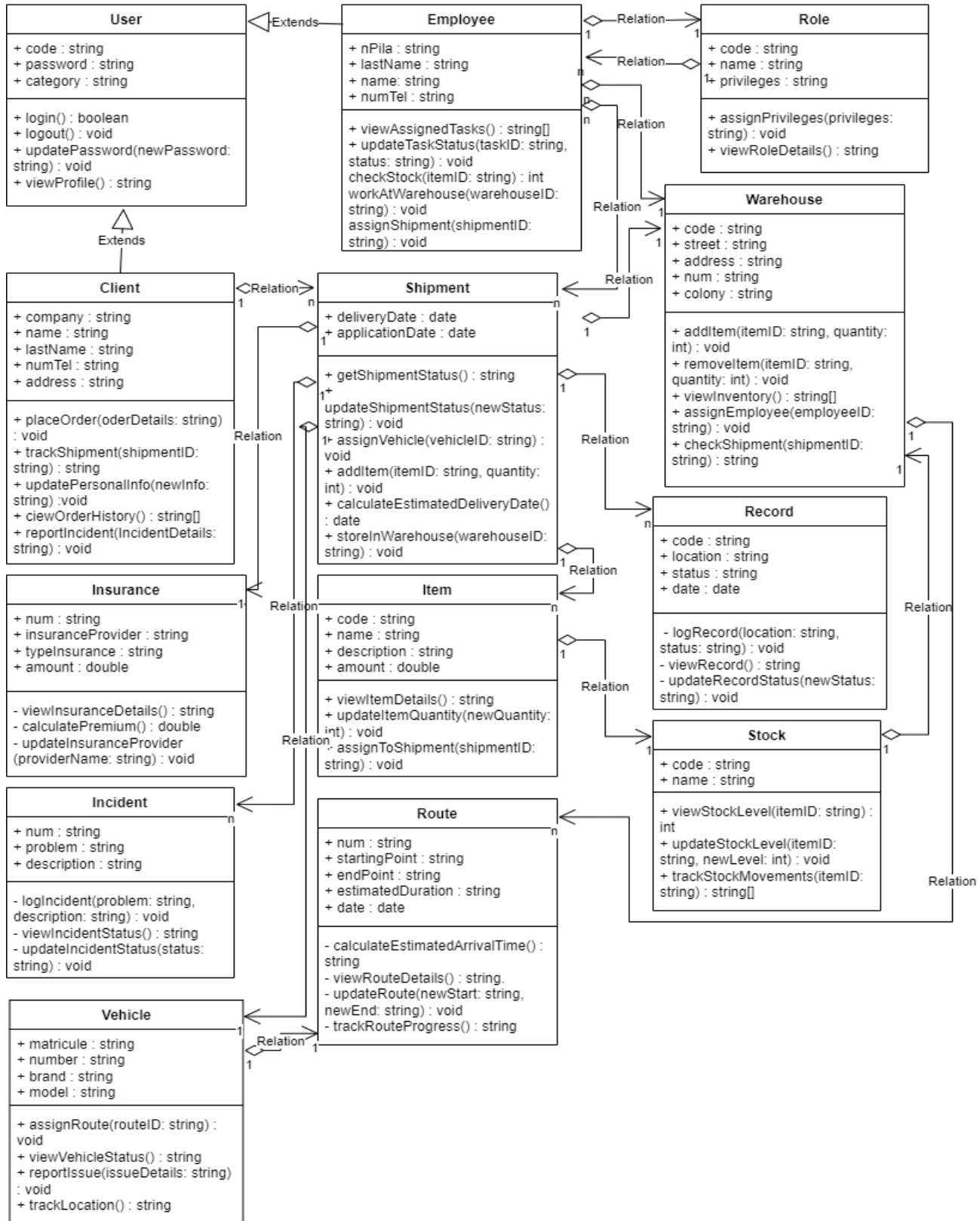
## Entity-Relationship Diagram



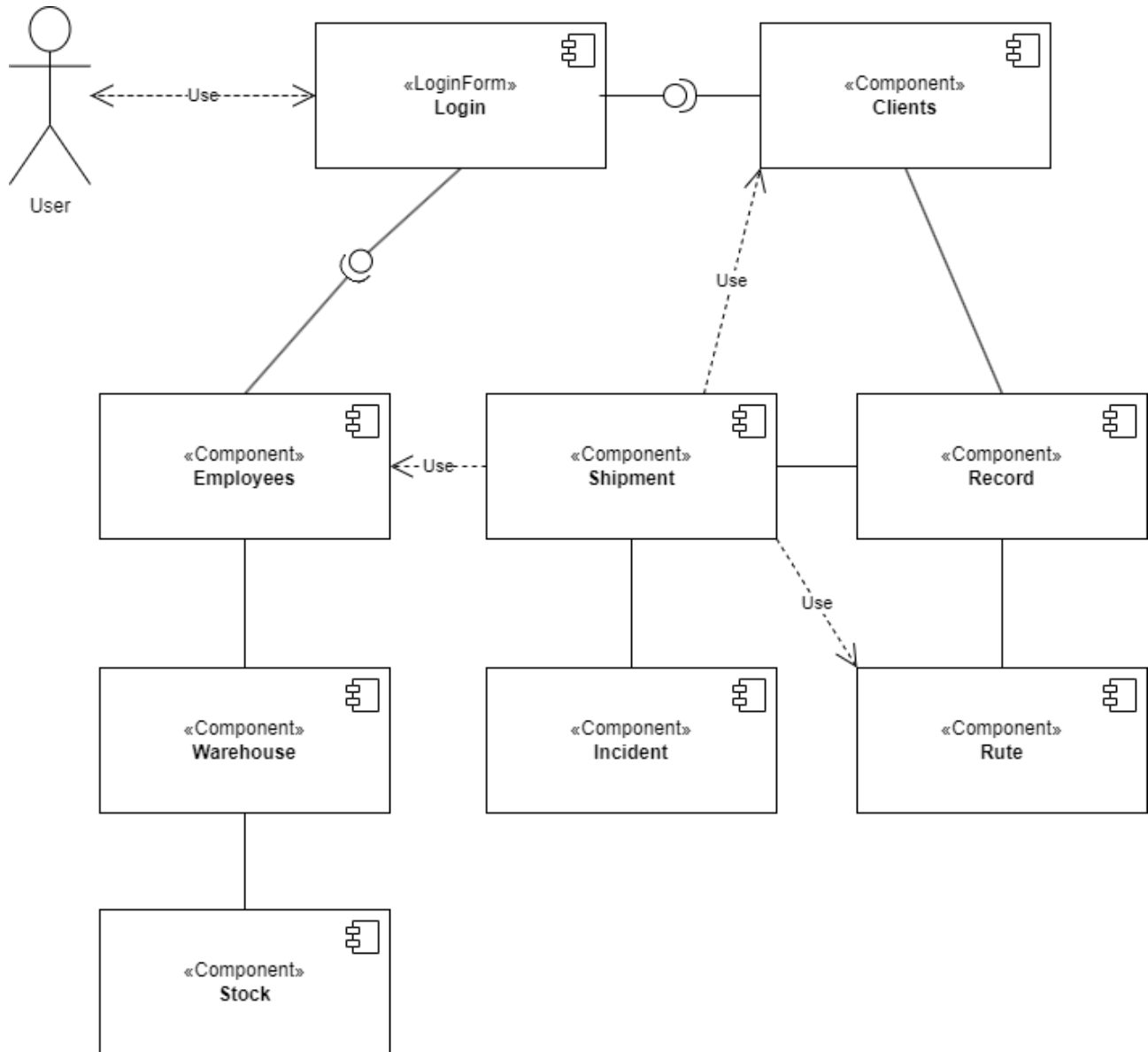
## Relational model



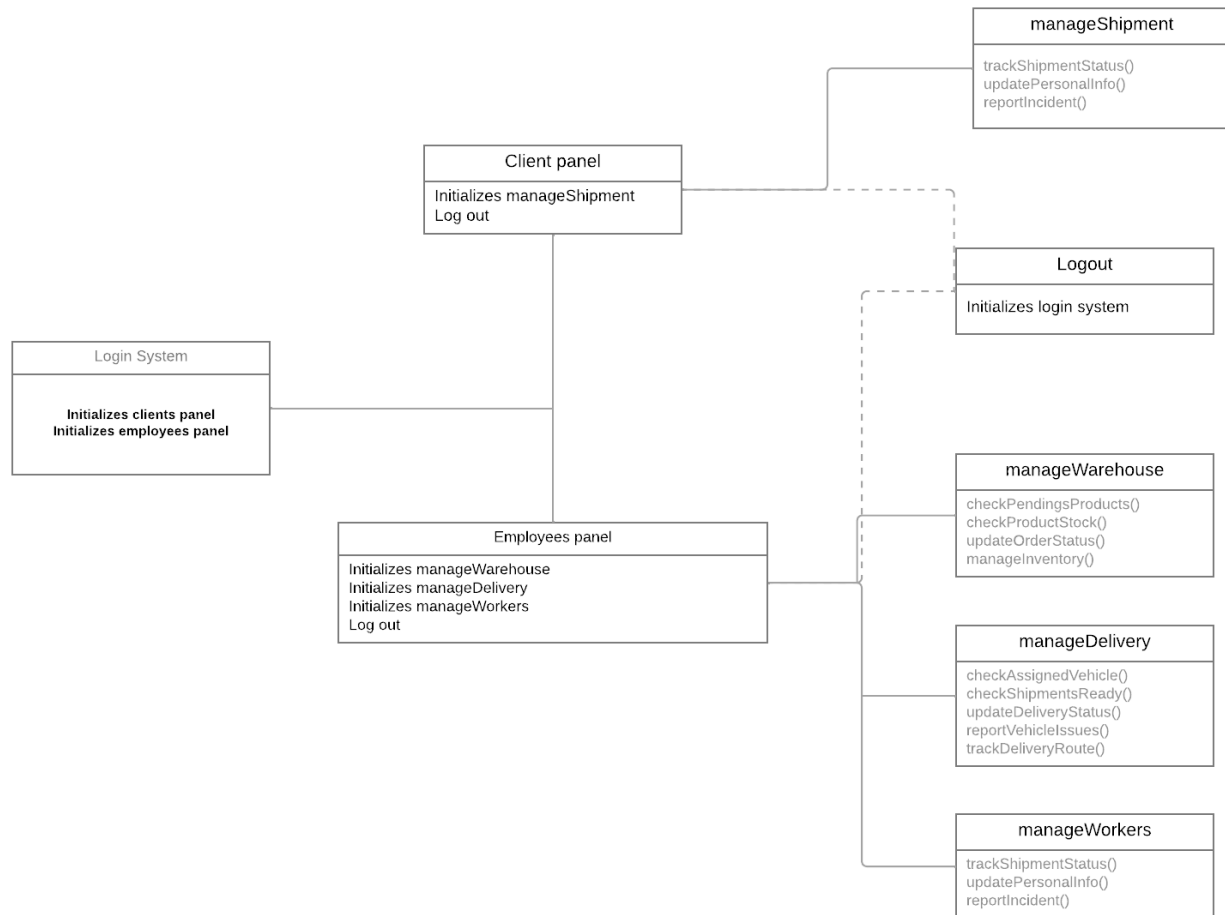
Class diagram



Component diagram



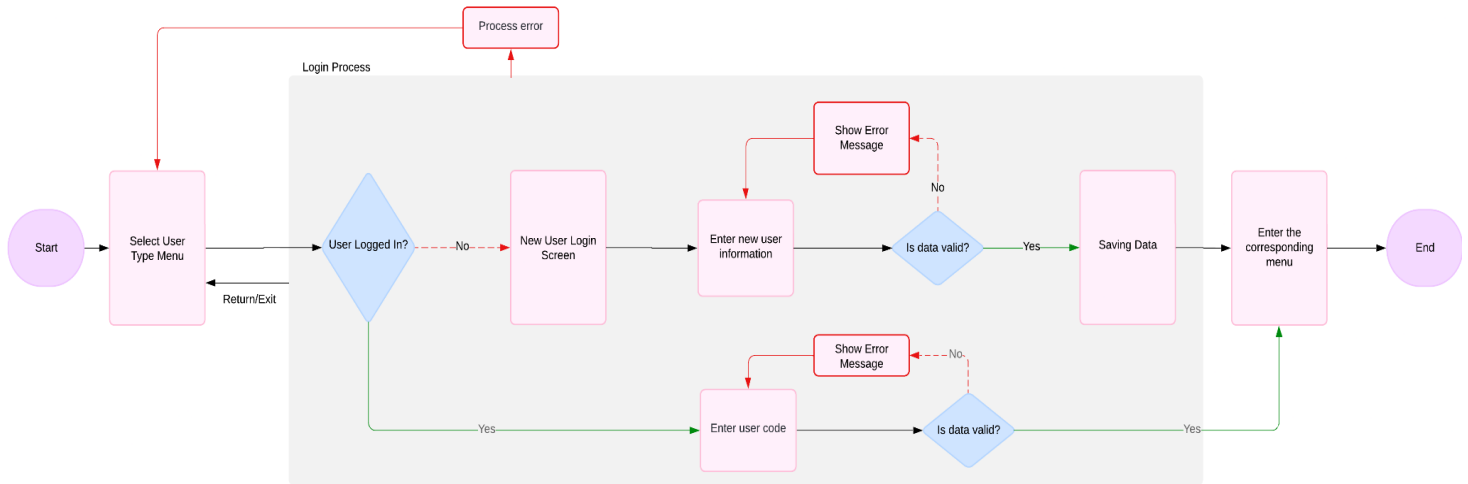
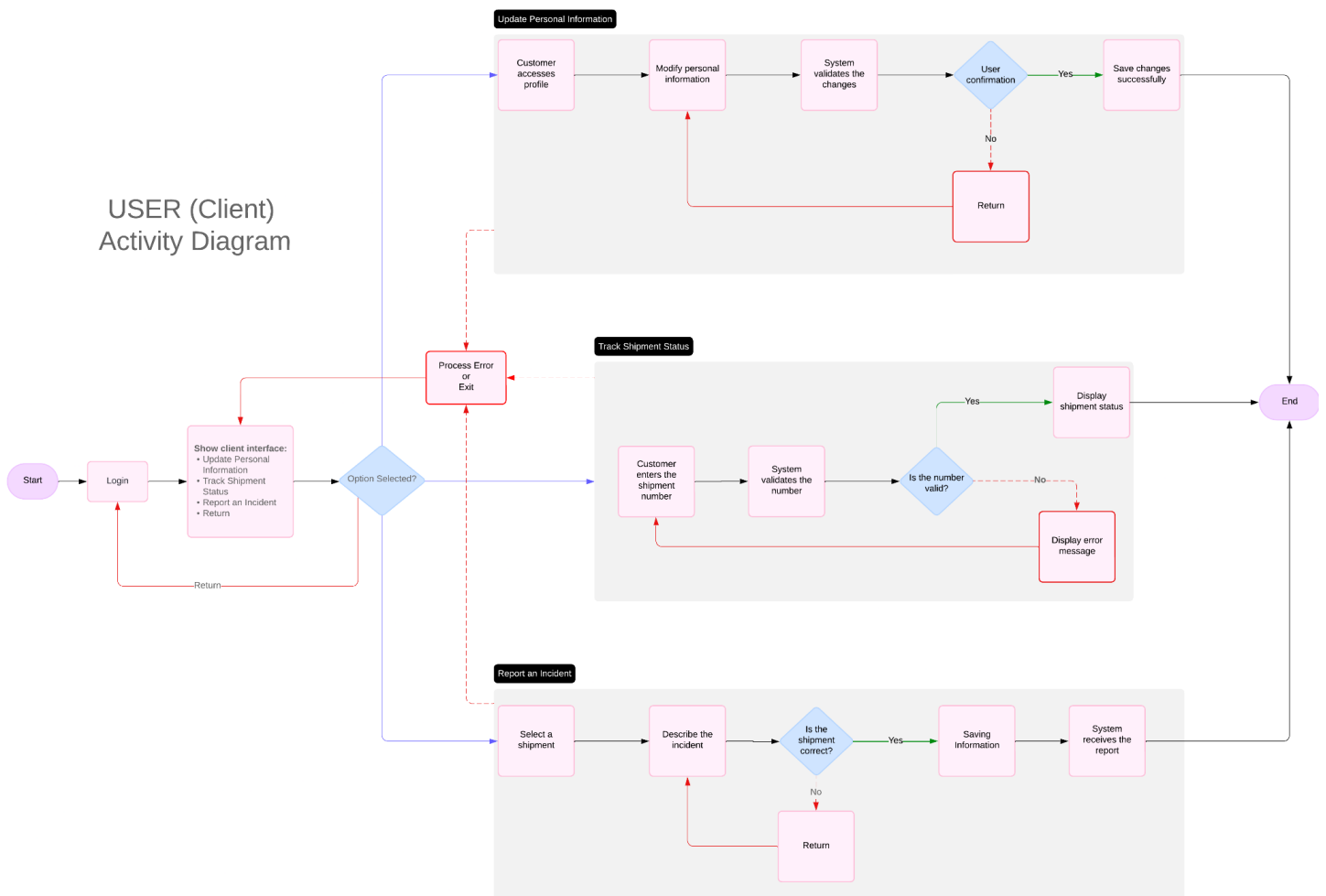
## Deployment diagram

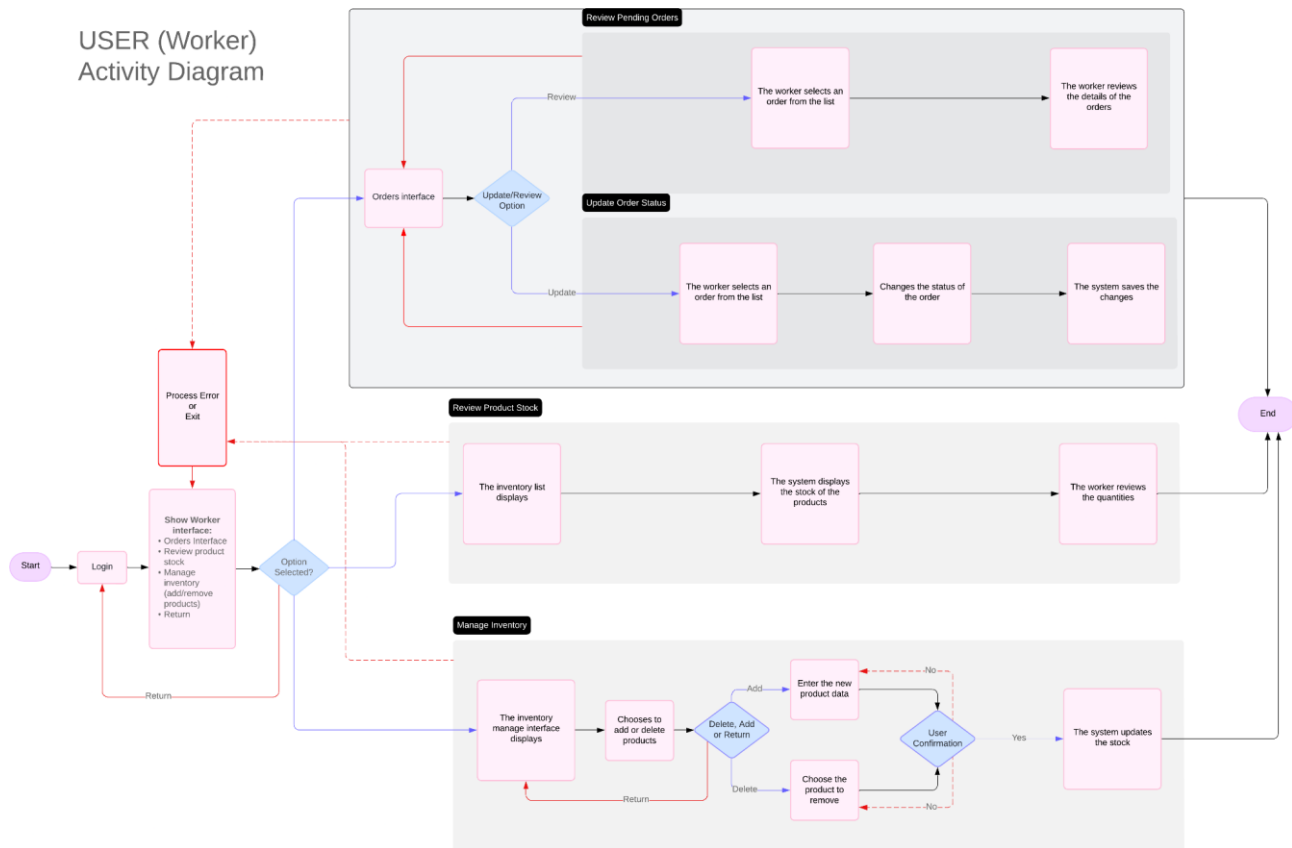
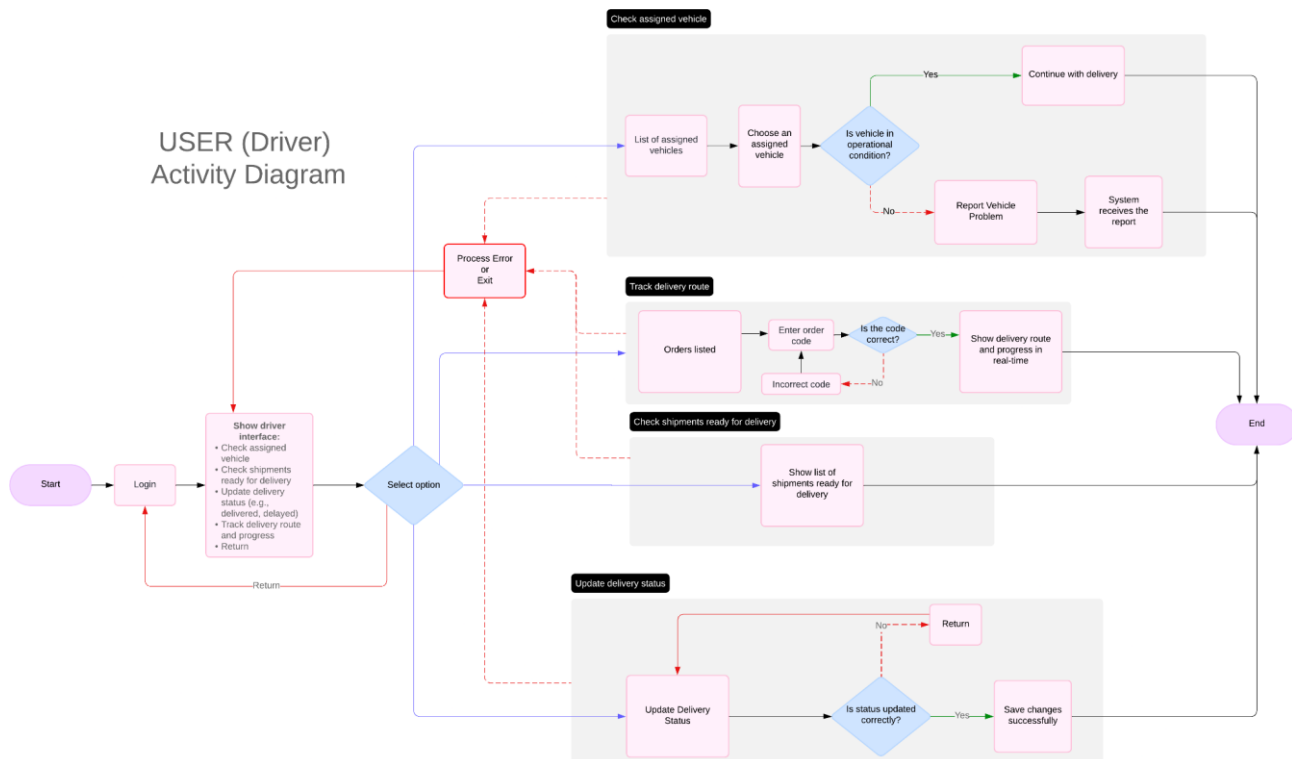




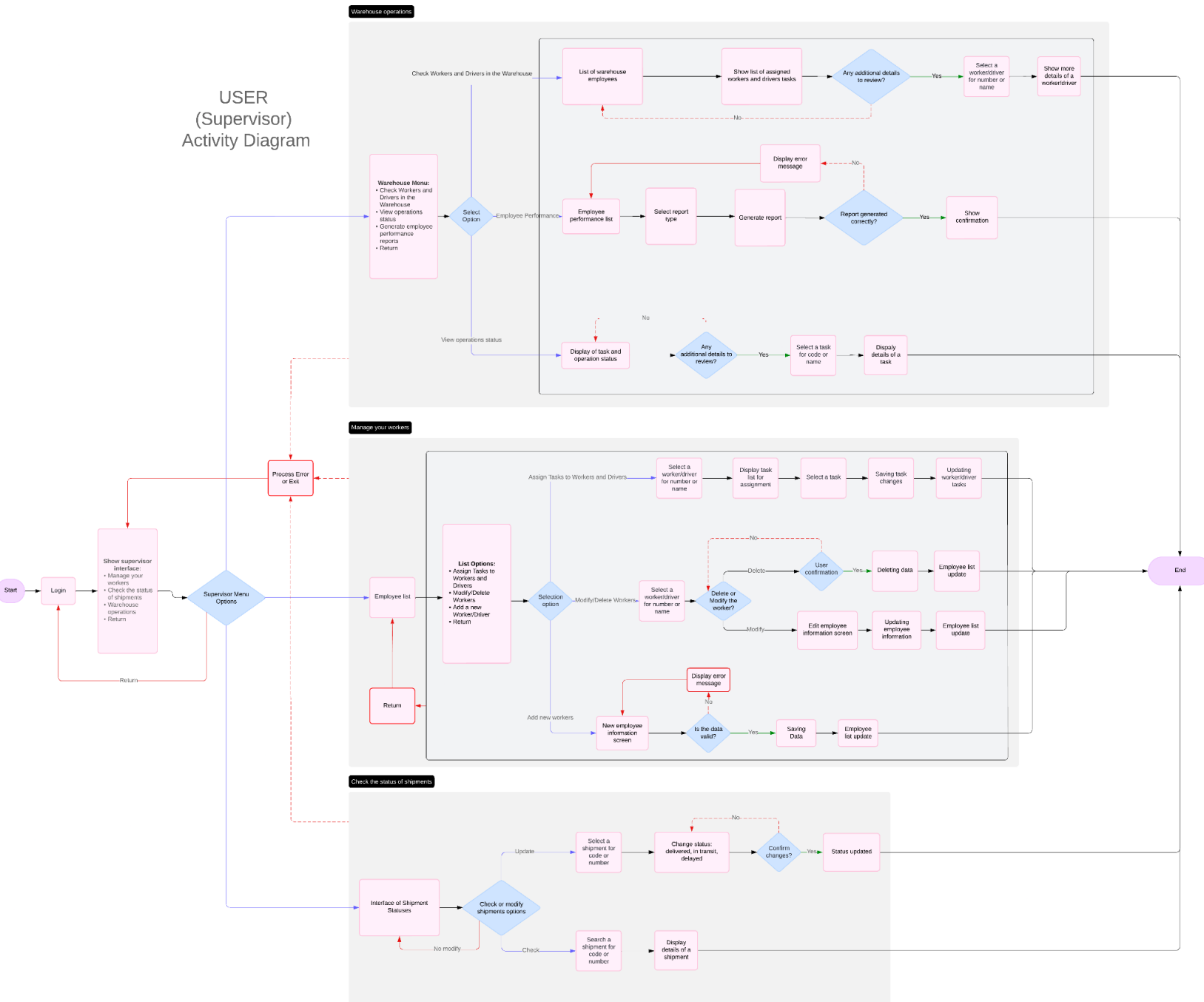
## Activity Diagrams

LOGIN - Activity Diagram

USER (Client)  
Activity Diagram

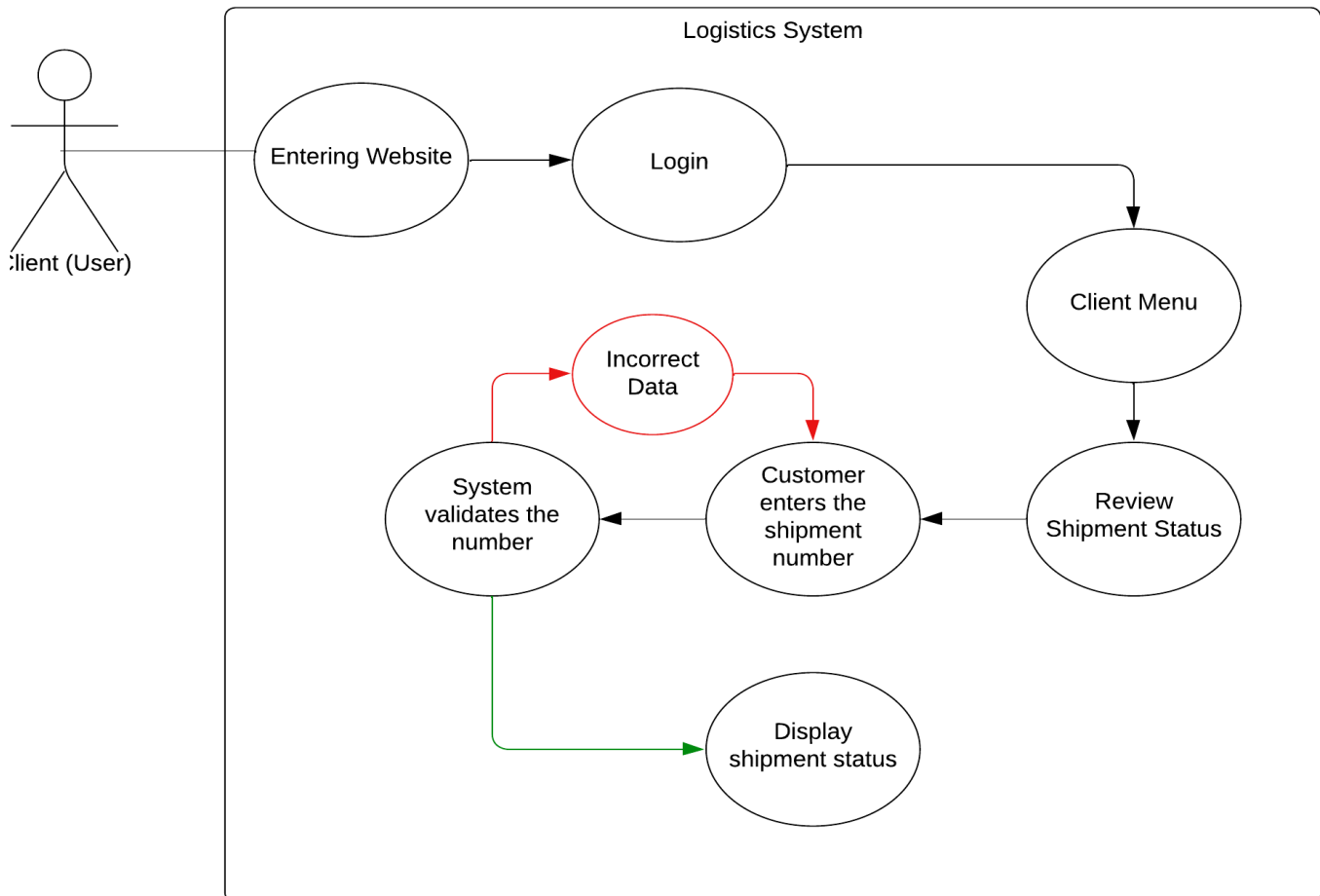
USER (Worker)  
Activity DiagramUSER (Driver)  
Activity Diagram

# USER (Supervisor) Activity Diagram



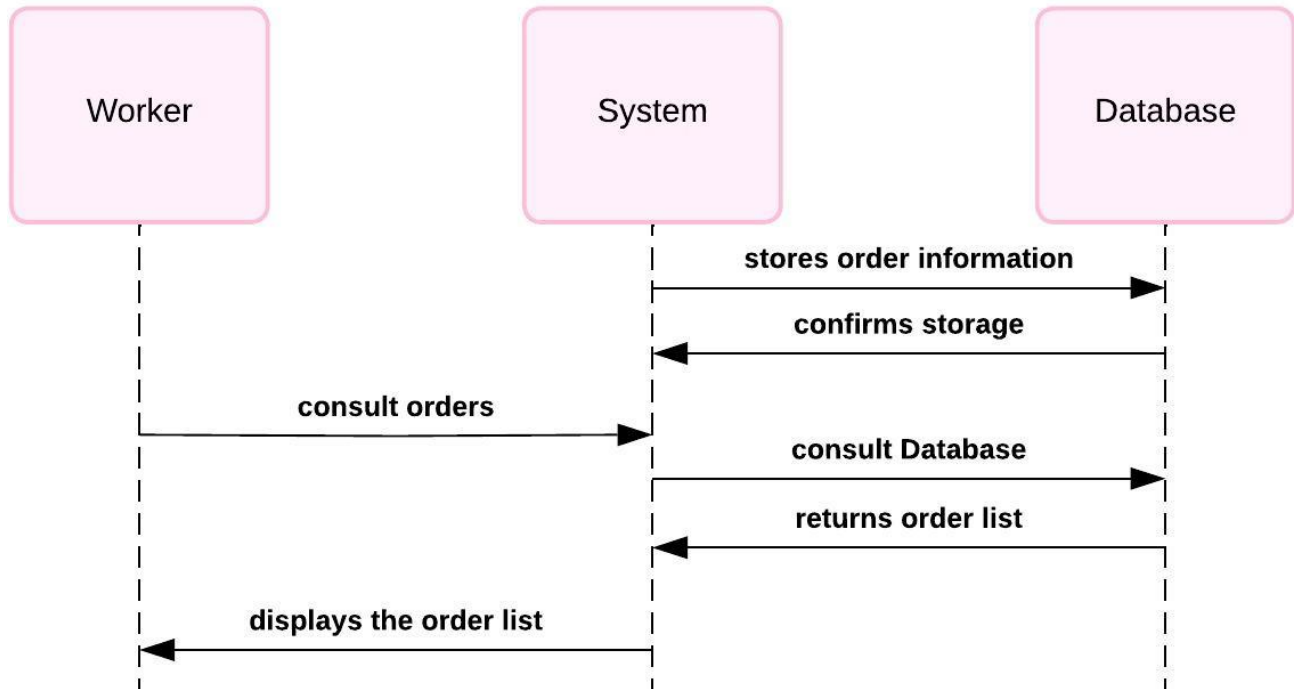
## Use Case Diagram

# (Client) Case Use Diagram



Sequence Diagram

Sequence diagram (Worker)



## HTML Code

### 1. HTML code for the main page

The following HTML code is for the main page of the web application. This code has a basic HTML structure and a link was added via PHP for two sections of HTML code that must be on all pages of the application.

```
<!DOCTYPE html>

<title>Homepage</title>
<link rel="stylesheet" href="assets/css/style.css">
<script src="assets/js/main.js" defer></script>

<header>
  <?php include 'views/partials/homeNav.php'; ?>
</header>
<main>
  <div id="banner">
    <div id="banner-text">
      <h1 data-translate="bannerTitle">CAFPATH</h1>
      <p data-translate="bannerDescription">CAFPATH is your trusted
partner for seamless logistics and delivery solutions. Our advanced system
provides end-to-end tracking, efficient order management, and real-time
updates, ensuring that every package reaches its destination safely and on
time. Experience optimized logistics that empower your business with
transparency and reliability.</p>
    </div>
    
  </div>
  <h2 data-translate="servicesTitle">Services</h2>
  <section id="services">
    <article class="service">
      <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-building-warehouse" width="48" height="48" viewBox="0 0
24 24" stroke-width="1.5" stroke="#00abfb" fill="none" stroke-
linecap="round" stroke-linejoin="round">
        <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
        <path d="M3 21v-13l9 -4l9 4v13" />
        <path d="M13 13h4v8h-10v-6h6" />
        <path d="M13 21v-9a1 1 0 0 0 -1 -1h-2a1 1 0 0 0 -1 1v3"
/>
    </article>
  </section>
</main>
```

```

        </svg>
        <h3 data-translate="logisticTitle">Logistic</h3>
        <p data-translate="logisticDescription">We provide seamless
management of inventory, orders, and shipments. Our logistics service
ensures that every product is tracked from the warehouse to its final
destination, improving efficiency and reducing delays. We utilize advanced
algorithms to optimize stock levels and order processes, minimizing
operational costs and maximizing productivity.</p>
    </article>
    <article class="service">
        <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-building-warehouse" width="48" height="48" viewBox="0 0
24 24" stroke-width="1.5" stroke="#00abfb" fill="none" stroke-
linecap="round" stroke-linejoin="round">
            <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
            <path d="M3 21v-13l9 -4l9 4v13"/>
            <path d="M13 13h4v8h-10v-6h6"/>
            <path d="M13 21v-9a1 1 0 0 0 -1 -1h-2a1 1 0 0 0 -1 1v3"/>
        </svg>
        <h3 data-translate="deliveryTitle">Delivery</h3>
        <p data-translate="deliveryDescription">Our delivery service
is focused on reliability and speed. From order placement to doorstep
delivery, we offer full transparency at each stage. Real-time updates and
GPS tracking provide customers and businesses with visibility into shipment
statuses, ensuring timely and accurate deliveries every time.</p>
    </article>
    <article class="service">
        <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-current-location" width="48" height="48" viewBox="0 0 24
24" stroke-width="1.5" stroke="#00abfb" fill="none" stroke-linecap="round"
stroke-linejoin="round">
            <path stroke="none" d="M0 0h24v24H0z" fill="none" />
            <path d="M12 12m-3 0a3 3 0 1 0 6 0a3 3 0 1 0 -6 0" />
            <path d="M12 12m-8 0a8 8 0 1 0 16 0a8 8 0 1 0 -16 0" />
            <path d="M12 21 2 " />
            <path d="M12 20 2 " />
            <path d="M20 12 2 0 " />
            <path d="M2 12 2 0 " />
        </svg>

```

```
<h3 data-translate="trackingTitle">Tracking</h3>
<p data-translate="trackingDescription">With our tracking
service, clients can monitor shipments in real-time. Our system provides
detailed information on each package's current location, estimated delivery
time, and any potential delays. This feature enhances customer satisfaction
by providing up-to-date information, ensuring peace of mind throughout the
delivery process.</p>
</article>
</section>

<section id="how-it-works">
  <h2 data-translate="howItWorksTitle">How It Works</h2>
  <p data-translate="howItWorksDescription">Our system provides a
robust solution for managing inventory and orders, streamlining both
logistical and administrative tasks. Key features include:</p>
  <ul>
    <li data-translate="feature1">Automated Inventory Management:
Real-time stock level tracking with alerts to prevent stockouts or
overstocking.</li>
    <li data-translate="feature2">Order Tracking and Processing:
Efficient management from order placement to delivery, ensuring full
traceability.</li>
    <li data-translate="feature3">Reduction of Administrative
Errors: Task automation, such as invoicing and inventory checks, to minimize
errors.</li>
    <li data-translate="feature4">Optimization of Delivery Times:
Identifying delays and reprioritizing tasks to ensure timely
deliveries.</li>
    <li data-translate="feature5">Real-time Order Information
Access: All users can view order statuses at any time.</li>
    <li data-translate="feature6">Personalized Analysis and
Reporting: Detailed reports on inventory, delivery times, and sales for
strategic decisions.</li>
  </ul>
  <p data-translate="howItWorksConclusion">This system is designed
to enhance efficiency, transparency, and accuracy in inventory and order
management.</p>
</section>
```



```
<section id="testimonials">
  <h2 data-translate="testimonialsTitle">Testimonials</h2>
  <p data-translate="testimonialsDescription">Zona de
testimonios.</p>
</section>

</main>
<?php include 'views/partials/footer.php'; ?>
</body>

</html>
```

## 2. Frequently Asked Questions

The following code displays frequently asked questions and selecting a question will display the answer

```
<title>FAQ Page</title>
<link rel="stylesheet" href="../../assets/css/style.css">
<script src="../../assets/js/main.js" defer></script>
</head>
<body>
  <div class="faq-item">
    <div class="faq-question">How can I track my shipment?</div>
    <div class="faq-answer">You can track your shipment using the
tracking number provided in your confirmation email...</div>
  </div>
  <div class="faq-item">
    <div class="faq-question">What should I do if my package is
delayed?</div>
    <div class="faq-answer">If your package is delayed, please contact
our support team for assistance...</div>
  </div>
  <!-- New FAQ items -->
  <div class="faq-item">
    <div class="faq-question">Can I change the delivery address after the
shipment has been dispatched?</div>
    <div class="faq-answer">Address changes can be requested within 24
hours of dispatch. Please contact support...</div>
  </div>
  <div class="faq-item">
```

```

        <div class="faq-question">What are the shipping options
available?</div>
        <div class="faq-answer">We offer standard, express, and overnight
shipping options...</div>
    </div>
    <!-- End of new FAQ items -->
</body>
</html>

```

### 3. Contact

This code is a form through which the client can contact us in case of questions or problems.

```

<?php include '../partials/header.php'; ?>
<link rel="stylesheet" href="../../assets/css/style.css">
<main>
    <h1>Contact Form</h1>
    <form action="processContactForm.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required><br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required><br>

        <label for="message">Message:</label>
        <textarea id="message" name="message" required></textarea><br>

        <input type="submit" value="Submit">
    </form>
</main>
<?php include '../partials/footerViews.php'; ?>

```

### 4. Privacy Policy

The next code present the privacy policy of the company

```

    <link rel="stylesheet" href="../../assets/css/style.css">
    <title>Privacy Notice - Logistics and Order Management Service</title>
</head>
<body>

```

```
<header>
  <?php include '../partials/header.php'; ?>
  <h1>PRIVACY NOTICE</h1>
  <p>Last updated 10/04/2024</p>
</header>

<main>
  <section id="introduction">
    <p>This Privacy Notice for Logistics and Order Management Service ("we," "us," or "our"), describes how and why we might access, collect, store, use, and/or share ("process") your personal information when you use our services ("Services"), including when you:</p>
    <p>Questions or concerns? Reading this Privacy Notice will help you understand your privacy rights and choices. We are responsible for making decisions about how your personal information is processed. If you do not agree with our policies and practices, please do not use our Services.</p>
  </section>

  <section id="key-points">
    <h2>SUMMARY OF KEY POINTS</h2>
    <p>This summary provides key points from our Privacy Notice, but you can find out more details about any of these topics by clicking the link following each key point or by using our table of contents below to find the section you are looking for.</p>
    <ul>
      <li>What personal information do we process? When you visit, use, or navigate our Services, we may process personal information depending on how you interact with us and the Services, the choices you make, and the products and features you use. Learn more about personal information you disclose to us.</li>
      <li>Do we process any sensitive personal information? Some of the information may be considered "special" or "sensitive" in certain jurisdictions, for example your racial or ethnic origins, sexual orientation, and religious beliefs. We do not process sensitive personal information.</li>
      <li>Do we collect any information from third parties? We may collect information from public databases, marketing partners, social media
```

platforms, and other outside sources. Learn more about information collected from other sources.</li>

<li>How do we process your information? We process your information to provide, improve, and administer our Services, communicate with you, for security and fraud prevention, and to comply with law. We may also process your information for other purposes with your consent. We process your information only when we have a valid legal reason to do so. Learn more about how we process your information.</li>

<li>In what situations and with which parties do we share personal information? We may share information in specific situations and with specific third parties. Learn more about when and with whom we share your personal information.</li>

<li>What are your rights? Depending on where you are located geographically, the applicable privacy law may mean you have certain rights regarding your personal information. Learn more about your privacy rights.</li>

<li>How do you exercise your rights? The easiest way to exercise your rights is by submitting a data subject access request, or by contacting us. We will consider and act upon any request in accordance with applicable data protection laws.</li>

<li>Want to learn more about what we do with any information we collect? Review the Privacy Notice in full.</li>

</ul>

</section>

<section id="table-of-contents">

<h2>TABLE OF CONTENTS</h2>

<ol>

<li><a href="#section1">WHAT INFORMATION DO WE COLLECT?</a></li>

<li><a href="#section2">HOW DO WE PROCESS YOUR INFORMATION?</a></li>

<li><a href="#section3">WHEN AND WITH WHOM DO WE SHARE YOUR PERSONAL INFORMATION?</a></li>

<li><a href="#section4">DO WE USE COOKIES AND OTHER TRACKING TECHNOLOGIES?</a></li>

<li><a href="#section5">HOW DO WE HANDLE YOUR SOCIAL LOGINS?</a></li>

```
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<li><a href="#section11">DO WE MAKE UPDATES TO THIS
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NOTICE?</a></li>
<li><a href="#section13">HOW CAN YOU REVIEW, UPDATE, OR
DELETE THE DATA WE COLLECT FROM YOU?</a></li>
</ol>
</section>

<section id="section1">
  <h2>1. WHAT INFORMATION DO WE COLLECT?</h2>
  <p><strong>Personal information you disclose to us</strong></p>
  <p>In Short: We collect personal information that you provide to
us.</p>
  <p>We collect personal information that you voluntarily provide
to us when you register on the Services, express an interest in obtaining
information about us or our products and Services, when you participate in
activities on the Services, or otherwise when you contact us.</p>
  <p><strong>Sensitive Information.</strong> We do not process
sensitive information.</p>
  <p>All personal information that you provide to us must be true,
complete, and accurate, and you must notify us of any changes to such
personal information.</p>
  <p><strong>Information automatically collected</strong></p>
  <p>In Short: Some information – such as your Internet Protocol
(IP) address and/or browser and device characteristics – is collected
automatically when you visit our Services.</p>
  <p>We automatically collect certain information when you visit,
use, or navigate the Services. This information does not reveal your
```

specific identity (like your name or contact information) but may include device and usage information, such as your IP address, browser and device characteristics, operating system, language preferences, referring URLs, device name, country, location, information about how and when you use our Services, and other technical information. This information is primarily needed to maintain the security and operation of our Services, and for our internal analytics and reporting purposes.</p>

<p>Like many businesses, we also collect information through cookies and similar technologies.</p>

</section>

<section id="section2">

<h2>2. HOW DO WE PROCESS YOUR INFORMATION?</h2>

<p>In Short: We process your information to provide, improve, and administer our Services, communicate with you, for security and fraud prevention, and to comply with law. We may also process your information for other purposes with your consent.</p>

<p>We process your personal information for a variety of reasons, depending on how you interact with our Services, including:</p>

<!-- Add specific processing reasons -->

</section>

<section id="section3">

<h2>3. WHEN AND WITH WHOM DO WE SHARE YOUR PERSONAL INFORMATION?</h2>

<p>In Short: We may share information in specific situations described in this section and/or with the following third parties.</p>

<p>We may need to share your personal information in the following situations:</p>

<ul>

<li><strong>Business Transfers.</strong> We may share or transfer your information in connection with, or during negotiations of, any merger, sale of company assets, financing, or acquisition of all or a portion of our business to another company.</li>

<li><strong>Affiliates.</strong> We may share your information with our affiliates, in which case we will require those affiliates to honor this Privacy Notice. Affiliates include our parent company and any subsidiaries, joint venture partners, or other companies that we control or that are under common control with us.</li>

```
<li><strong>Business Partners.</strong> We may share your
information with our business partners to offer you certain products,
services, or promotions.</li>
```

```
</ul>
```

```
</section>
```

```
<section id="section4">
```

```
<h2>4. DO WE USE COOKIES AND OTHER TRACKING TECHNOLOGIES?</h2>
```

```
<p>In Short: We may use cookies and other tracking technologies
to collect and store your information.</p>
```

```
<p>We may use cookies and similar tracking technologies (like web
beacons and pixels) to gather information when you interact with our
Services. Some online tracking technologies help us maintain the security of
our Services, prevent crashes, fix bugs, save your preferences, and assist
with basic site functions.</p>
```

```
<p>We also permit third parties and service providers to use
online tracking technologies on our Services for analytics and advertising,
including to help manage and display advertisements, to tailor
advertisements to your interests, or to send abandoned shopping cart
reminders (depending on your communication preferences). The third parties
and service providers use their technology to provide advertising about
products and services tailored to your interests which may appear either on
our Services or on other websites.</p>
```

```
<p>Specific information about how we use such technologies and
how you can refuse certain cookies is set out in our Cookie Notice.</p>
```

```
</section>
```

```
<section id="section5">
```

```
<h2>5. HOW DO WE HANDLE YOUR SOCIAL LOGINS?</h2>
```

```
<p>In Short: If you choose to register or log in to our Services
using a social media account, we may have access to certain information
about you.</p>
```

```
<p>Our Services offer you the ability to register and log in
using your third-party social media account details (like your Facebook or X
logins). Where you choose to do this, we will receive certain profile
information about you from your social media provider. The profile
information we receive may vary depending on the social media provider
concerned, but will often include your name, email address, friends list,
```

and profile picture, as well as other information you choose to make public on such a social media platform.</p>

<p>We will use the information we receive only for the purposes that are described in this Privacy Notice or that are otherwise made clear to you on the relevant Services. Please note that we do not control, and are not responsible for, other uses of your personal information by your third-party social media provider. We recommend that you review their privacy notice to understand how they collect, use, and share your personal information, and how you can set your privacy preferences on their sites and apps.</p>

</section>

<section id="section6">

<h2>6. IS YOUR INFORMATION TRANSFERRED INTERNATIONALLY?</h2>

<p>In Short: We may transfer, store, and process your information in countries other than your own.</p>

<p>Our servers are located in. If you are accessing our Services from outside, please be aware that your information may be transferred to, stored by, and processed by us in our facilities and in the facilities of the third parties with whom we may share your personal information (see "WHEN AND WITH WHOM DO WE SHARE YOUR PERSONAL INFORMATION?" above), in and other countries.</p>

<p>If you are a resident in the European Economic Area (EEA), United Kingdom (UK), or Switzerland, then these countries may not necessarily have data protection laws or other similar laws as comprehensive as those in your country. However, we will take all necessary measures to protect your personal information in accordance with this Privacy Notice and applicable law.</p>

</section>

<section id="section7">

<h2>7. HOW LONG DO WE KEEP YOUR INFORMATION?</h2>

<p>In Short: We keep your information for as long as necessary to fulfill the purposes outlined in this Privacy Notice unless otherwise required by law.</p>

<p>We will only keep your personal information for as long as it is necessary for the purposes set out in this Privacy Notice, unless a longer retention period is required or permitted by law (such as tax, accounting, or other legal requirements).</p>



<p>When we have no ongoing legitimate business need to process your personal information, we will either delete or anonymize such information, or, if this is not possible (for example, because your personal information has been stored in backup archives), then we will securely store your personal information and isolate it from any further processing until deletion is possible.</p>

</section>

<section id="section8">

<h2>8. DO WE COLLECT INFORMATION FROM MINORS?</h2>

<p>In Short: We do not knowingly collect data from or market to children under 18 years of age.</p>

<p>We do not knowingly collect, solicit data from, or market to children under 18 years of age, nor do we knowingly sell such personal information. By using the Services, you represent that you are at least 18 or that you are the parent or guardian of such a minor and consent to such minor dependent's use of the Services. If we learn that personal information from users less than 18 years of age has been collected, we will deactivate the account and take reasonable measures to promptly delete such data from our records. If you become aware of any data we may have collected from children under age 18, please contact us at CafpathCorp@gmail.com.</p>

</section>

<section id="section9">

<h2>9. WHAT ARE YOUR PRIVACY RIGHTS?</h2>

<p>In Short: You may review, change, or terminate your account at any time, depending on your country, province, or state of residence.</p>

<p><strong>Withdrawing your consent:</strong> If we are relying on your consent to process your personal information, which may be express and/or implied consent depending on the applicable law, you have the right to withdraw your consent at any time. You can withdraw your consent at any time by contacting us by using the contact details provided in the section "HOW CAN YOU CONTACT US ABOUT THIS NOTICE?" below.</p>

<p>However, please note that this will not affect the lawfulness of the processing before its withdrawal nor, when applicable law allows, will it affect the processing of your personal information conducted in reliance on lawful processing grounds other than consent.</p>

<p><strong>Account Information</strong></p>

<p>If you would at any time like to review or change the information in your account or terminate your account, you can:</p>

<ul>

<li>Upon your request to terminate your account, we will deactivate or delete your account and information from our active databases. However, we may retain some information in our files to prevent fraud, troubleshoot problems, assist with any investigations, enforce our legal terms and/or comply with applicable legal requirements.</li>

</ul>

</section>

<section id="section10">

<h2>10. CONTROLS FOR DO-NOT-TRACK FEATURES</h2>

<p>Most web browsers and some mobile operating systems and mobile applications include a Do-Not-Track ("DNT") feature or setting you can activate to signal your privacy preference not to have data about your online browsing activities monitored and collected. At this stage, no uniform technology standard for recognizing and implementing DNT signals has been finalized. As such, we do not currently respond to DNT browser signals or any other mechanism that automatically communicates your choice not to be tracked online. If a standard for online tracking is adopted that we must follow in the future, we will inform you about that practice in a revised version of this Privacy Notice.</p>

</section>

<section id="section11">

<h2>11. DO WE MAKE UPDATES TO THIS NOTICE?</h2>

<p>In Short: Yes, we will update this notice as necessary to stay compliant with relevant laws.</p>

<p>We may update this Privacy Notice from time to time. The updated version will be indicated by an updated "Revised" date at the top of this Privacy Notice. If we make material changes to this Privacy Notice, we may notify you either by prominently posting a notice of such changes or by directly sending you a notification. We encourage you to review this Privacy Notice frequently to be informed of how we are protecting your information.</p>

</section>

<section id="section12">

```

        <h2>12. HOW CAN YOU CONTACT US ABOUT THIS NOTICE?</h2>
        <p>If you have questions or comments about this notice, you may
contact us by post at:</p>
        <ul>
            <li>Facebook</li>
            <li>Twitter</li>
            <li>Instagram</li>
        </ul>
    </section>

    <section id="section13">
        <h2>13. HOW CAN YOU REVIEW, UPDATE, OR DELETE THE DATA WE COLLECT
FROM YOU?</h2>
        <p>Based on the applicable laws of your country, you may have the
right to request access to the personal information we collect from you,
details about how we have processed it, correct inaccuracies, or delete your
personal information. You may also have the right to withdraw your consent
to our processing of your personal information. These rights may be limited
in some circumstances by applicable law. To request to review, update, or
delete your personal information, please fill out and submit a data subject
access request.</p>
    </section>
</main>
<?php include '../partials/footerViews.php'; ?>
</body>
</html>

```

## 5. Terms of service

In the following html code we explain the terms of service used by the company

```

<title>Terms of Service</title>
<link rel="stylesheet" href="../../assets/css/style.css">
<body>
    <?php include '../partials/header.php'; ?>
    <main>
        <h1>Terms of Service</h1>
        <section>
            <h2>1. Acceptance of Terms</h2>

```

<p>By accessing and using this website, you accept and agree to be bound by the terms and provision of this agreement.</p>

</section>

<section>

## <h2>2. Use of the Service</h2>

<p>You agree to use the service for lawful purposes only and in a way that does not infringe the rights of, restrict or inhibit anyone else's use and enjoyment of the website.</p>

</section>

<section>

## <h2>3. Privacy Policy</h2>

<p>Your privacy is important to us. Please review our Privacy Policy to understand our practices.</p>

</section>

<section>

## <h2>4. Limitation of Liability</h2>

<p>We are not liable for any damages that may occur from the use of this website.</p>

</section>

<section>

## <h2>5. Changes to Terms</h2>

<p>We reserve the right to modify these terms at any time. It is your responsibility to review these terms regularly.</p>

</section>

<section>

## <h2>6. Intellectual Property</h2>

<p>All content included on this site, such as text, graphics, logos, images, and software, is the property of the website owner or its content suppliers and is protected by international copyright laws.</p>

</section>

<section>

## <h2>7. Termination</h2>

<p>We may terminate or suspend access to our service immediately, without prior notice or liability, for any reason whatsoever, including without limitation if you breach the terms.</p>

</section>

<section>

## <h2>8. Governing Law</h2>

```

        <p>These terms shall be governed and construed in accordance with
the laws of Mexico, without regard to its conflict of law provisions.</p>
    </section>
    <section>
        <h2>9. Contact Information</h2>
        <p>If you have any questions about these terms, please contact us
at cafpath@gmail.com.</p>
    </section>
</main>
<?php include '../partials/footerViews.php'; ?>
</body>

```

## 6. homeNav

This code is a navigation bar that should be in the vast majority of the application windows and is used in each of them through php code.

```

<script src="../../cafpath/assets/js/main.js" defer></script>
<nav id="main-nav">
    <ul>
        <li>
            
        </li>
        <li><a href="#" data-translate="home">Home</a></li>
        <li><a href="#services" onclick="scrollToSection('services'); return
false;" data-translate="services">Services</a></li>
        <li><a href="#how-it-works" onclick="scrollToSection('how-it-works');
return false;" data-translate="howItWorks">How It Works</a></li>
        <li><a href="#testimonials" onclick="scrollToSection('testimonials');
return false;" data-translate="testimonials">Testimonials</a></li>
        <li><a href="views/public/FAQ.php" data-translate="FAQ">FAQ</a></li>
        <li><a href="views/public/contactForm.php" data-
translate="contact">Contact</a></li>
        <li>
            <button aria-haspopup="true" aria-expanded="false" aria-
label="User Menu">
                <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-user-circle" width="48" height="48" viewBox="0 0 24 24"
stroke-width="1.5" stroke="#00abfb" fill="none" stroke-linecap="round"
stroke-linejoin="round">

```

```

        <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
        <path d="M12 12m-9 0a9 9 0 1 0 18 0a9 9 0 1 0 -18 0" />
        <path d="M12 10m-3 0a3 3 0 1 0 6 0a3 3 0 1 0 -6 0" />
        <path d="M6.168 18.849a4 4 0 0 1 3.832 -2.849h4a4 4 0 0 1
3.834 2.855" />
    </svg>
    <span data-translate="login">Login</span>
</button>
<ul>
    <li><a href="views/auth/LoginViewUser.php" data-
translate="clientLogin">Client</a></li>
    <li><a href="views/auth/LoginViewE.php" data-
translate="employeeLogin">Employee</a></li>
</ul>
</li>
<li>
    <button aria-haspopup="true" aria-expanded="false" aria-
label="Language Menu">
        <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-world" width="48" height="48" viewBox="0 0 24 24" stroke-
width="1.5" stroke="#00abfb" fill="none" stroke-linecap="round" stroke-
linejoin="round">
            <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
            <path d="M3 12a9 9 0 1 0 18 0a9 9 0 0 0 -18 0" />
            <path d="M3.6 9h16.8" />
            <path d="M3.6 15h16.8" />
            <path d="M11.5 3a17 17 0 0 0 0 18" />
            <path d="M12.5 3a17 17 0 0 1 0 18" />
        </svg>
        <span data-translate="language">Language</span>
    </button>
    <ul>
        <li><a href="#" onclick="changeLanguage('en'); return
false;">English</a></li>
        <li><a href="#" onclick="changeLanguage('es'); return
false;">Español</a></li>
    </ul>
</li>
</ul>

```

```
</nav>
```

## 7. footer

The next code is very similar to the previous one, only with the difference of the links and that this code is for the lower part of all the application windows.

```
<footer class="site-footer">
  <div class="footer-content">
    <div class="footer-section">
      <h3>Legal</h3>
      <ul>
        <li><a href="../cafspace/views/public/privacy-policy.php">Privacy Policy</a></li>
        <li><a href="../cafspace/views/public/terms-of-service.php">Terms of Service</a></li>
        <li><a href="../cafspace/views/public/cookie-policy.php">Cookie Policy</a></li>
      </ul>
    </div>
    <div class="footer-section">
      <h3>Connect With Us</h3>
      <div class="social-media">
        <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-tabler icon-tabler-brand-facebook-filled" width="24" height="24" viewBox="0 0 24 24" stroke-width="1.5" stroke="#000000" fill="none" stroke-linecap="round" stroke-linejoin="round">
          <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
          <path d="M18 2a1 1 0 0 1 .993 .883l.007 .117v4a1 1 0 0 1 -.883 .993l-.117 .007h-3v1h3a1 1 0 0 1 .991 1.131l-.02 .112l-1 4a1 1 0 0 1 -.858 .751l-.113 .007h-2v6a1 1 0 0 1 -.883 .993l-.117 .007h-4a1 1 0 0 1 -.993 -.883l-.007 -.117v-6h-2a1 1 0 0 1 -.993 -.883l-.007 -.117v-4a1 1 0 0 1 .883 -.993l.117 -.007h2v-1a6 6 0 0 1 5.775 -5.996l.225 -.004h3z" stroke-width="0" fill="currentColor" />
        </svg>
        <li><a href="#facebook" aria-label="Facebook">Facebook</a></li>
        <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-tabler icon-tabler-brand-twitter-filled" width="24" height="24" viewBox="0 0 24 24" stroke-width="1.5" stroke="#000000" fill="none" stroke-linecap="round" stroke-linejoin="round">
```

```

        <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
        <path d="M14.058 3.41c-1.807 .767 -2.995 2.453 -3.056
4.381-.002 .1821-.243 -.023c-2.392 -.269 -4.498 -1.512 -5.944 -3.531a1 1 0 0
0 -1.685 .0921-.097 .1861-.049 .099c-.719 1.485 -1.19 3.29 -1.017 5.2031.03
.273c.283 2.263 1.5 4.215 3.779 5.6791.173 .1071-.081 .043c-1.315 .663 -
2.518 .952 -3.827 .9c-1.056 -.04 -1.446 1.372 -.518 1.878c3.598 1.961 7.461
2.566 10.792 1.6c4.06 -1.18 7.152 -4.223 8.335 -8.4331.127 -.495c.238 -.993
.372 -2.006 .401 -3.0241.003 -.3321.393 -.7791.44 -.8621.214 -.4341.118 -
.247c.265 -.565 .456 -1.033 .574 -1.431.014 -.0561.008 -.018c.22 -.593 -.166
-1.358 -.941 -1.3581-.122 .007a.997 .997 0 0 0 -.231 .0571-.086 .038a7.46
7.46 0 0 1 -.88 .361-.356 .1151-.271 .081-.772 .214c-1.336 -1.118 -3.144 -
1.254 -5.012 -.5541-.211 .084z" stroke-width="0" fill="currentColor" />
    </svg>
    <li><a href="#twitter" aria-label="Twitter">Twitter</a></li>
    <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-brand-instagram" width="24" height="24" viewBox="0 0 24
24" stroke-width="1.5" stroke="#000000" fill="none" stroke-linecap="round"
stroke-linejoin="round">
        <path stroke="none" d="M0 0h24v24H0z" fill="none"/>
        <path d="M4 4m0 4a4 4 0 0 1 4 -4h8a4 4 0 0 1 4 4v8a4 4 0
0 1 -4 4h-8a4 4 0 0 1 -4 -4z" />
        <path d="M12 12m-3 0a3 3 0 1 0 6 0a3 3 0 1 0 -6 0" />
        <path d="M16.5 7.510 .01" />
    </svg>
    <li><a href="#instagram" aria-
label="Instagram">Instagram</a></li>
    <svg xmlns="http://www.w3.org/2000/svg" class="icon icon-
tabler icon-tabler-brand-tiktok-filled" width="24" height="24" viewBox="0 0
24 24" stroke-width="1.5" stroke="#000000" fill="none" stroke-
linecap="round" stroke-linejoin="round">
        <path stroke="none" d="M0 0h24v24H0z" fill="none" />
        <path d="M16.083 2h-4.083a1 1 0 0 0 -1 1v11.5a1.5 1.5 0 1
1 -2.519 -1.11.12 -.1a1 1 0 0 0 .399 -.8v-4.326a1 1 0 0 0 -1.23 -.974a7.5
7.5 0 0 0 1.73 14.81.243 -.005a7.5 7.5 0 0 0 7.257 -7.495v-2.71.311
.153c1.122 .53 2.333 .868 3.59 .993a1 1 0 0 0 1.099 -.996v-4.033a1 1 0 0 0 -
.834 -.986a5.005 5.005 0 0 1 -4.097 -4.096a1 1 0 0 0 -.986 -.835z"
        stroke-width="0" fill="currentColor" />
    </svg>
    <li><a href="#tiktok" aria-label="TikTok">TikTok</a></li>

```



```
        </div>
    </div>
</div>
<div class="footer-bottom">
    <p>&copy; 2024 Cafpath. All rights reserved.</p>
</div>
</footer>
```

## 8. Register client

This code is responsible for collecting the data of a client who wants to log in to our website.

```
<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registro de Cliente</title>
</head>
<body>
    <h1>Registrar Cliente</h1>
    <form action="../../app/Controllers/RegisterController.php"
method="POST">
        <label for="name">Nombre:</label>
        <input type="text" id="name" name="name" required><br>

        <label for="lastname">Apellido:</label>
        <input type="text" id="lastname" name="lastname" required><br>

        <label for="surname">Segundo Apellido:</label>
        <input type="text" id="surname" name="surname"><br>

        <label for="company">Empresa:</label>
        <input type="text" id="company" name="company"><br>

        <label for="phone">Teléfono:</label>
        <input type="text" id="phone" name="phone"><br>

        <label for="street">Calle:</label>
        <input type="text" id="street" name="street"><br>
```

```

    <label for="colony">Colonia:</label>
    <input type="text" id="colony" name="colony"><br>

    <label for="number">Número:</label>
    <input type="text" id="number" name="number"><br>

    <label for="username">Nombre de usuario:</label>
    <input type="text" id="username" name="username" required><br>

    <label for="password">Contraseña:</label>
    <input type="password" id="password" name="password" required><br>

    <button type="submit">Registrar</button>
  </form>
</body>
</html>

```

## 9. Report incident

This html is responsible for recording incidents

```

<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Reportar Incidente</title>
</head>
<body>
  <h1>Reportar Incidente</h1>
  <form action="../../app/Controllers/incidentController.php"
method="post">
    <label for="username">Nombre de usuario:</label>
    <input type="text" id="username" name="username" required><br><br>

    <label for="description">Descripción del incidente:</label>
    <textarea id="description" name="description" rows="4" cols="50"
required></textarea><br><br>

    <label for="date">Fecha del incidente:</label>

```

```

        <input type="date" id="date" name="date" required><br><br>

        <input type="submit" value="Enviar Reporte">
    </form>
</body>
</html>

```

## 10. Start session for employees

This code is responsible for logging in for employees

```

<link rel="stylesheet" href="../../assets/css/style.css">
<title>Employee Login</title>

<body>
    <?php include '../partials/header.php'; ?>
    <div class="login-container">
        <h1>Employee Login</h1>
        <form action="../../app/controllers/AuthController.php"
method="POST">
            <div class="input-group">
                <label for="username">Username</label>
                <input type="text" id="username" name="username" required>
            </div>

            <div class="input-group">
                <label for="password">Password</label>
                <input type="password" id="password" name="password"
required>
            </div>

            <button type="submit">Login</button>
        </form>
    </div>
    <?php include '../partials/footer.php'; ?>
</body>

```

## 11. Login users

This login is responsible for logging in clients.

```

<link rel="stylesheet" href="../../css/styles.css">
<title>Login</title>

```

```

</head>
<body class="login-body">
  <div class="login-container">
    <form action="../../app/Controllers/AuthUser.php" method="post">
      <div class="login-form">
        <div class="title">LOGIN</div>
        <div class="input-group">
          <input type="text" name="username" required
placeholder="Username">
        </div>
        <div class="input-group">
          <input type="password" name="password" required
placeholder="Password">
        </div>
        <div class="checkbox" id="remember">
          <input type="checkbox" name="remember" id="remember">
          <label for="remember">Remember me</label>
        </div>
        <div class="forgot-password">
          <a href="#">Forgot password?</a>
        </div>
        <div class="forgot-password">
          <a href="registrarcliente.html">Register</a>
        </div>
        <button type="submit">Login</button>
      </div>
    </div>
  </body>
</html>

```

## 12. New Employees

This form is to register new employees in the system, only warehouse supervisors will have access to this option.

```

<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

```

```

<title>Registro de Empleado</title>
</head>
<body>
  <h1>Registrar Empleado</h1>
  <form action="../php/newemployees.php" method="POST">
    <label for="name">Nombre:</label>
    <input type="text" id="name" name="name" required><br>

    <label for="lastname">Apellido:</label>
    <input type="text" id="lastname" name="lastname" required><br>

    <label for="surname">Segundo Apellido:</label>
    <input type="text" id="surname" name="surname"><br>

    <label for="role">Rol:</label>
    <select id="role" name="role" required>
      <option value="R001">Supervisor</option>
      <option value="R002">Operador</option>
      <option value="R003">Transportista</option>
    </select><br>

    <label for="vehicle_num">Vehículo:</label>
    <select id="vehicle_num" name="vehicle_num">
      <option value="">Seleccione un vehículo</option>
    </select>
    <?php
    include 'conexion.php';

    $sql = "SELECT number, license_plate FROM Vehicle";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
        echo "<option value='" . $row['number'] . "'>Eliga
uno</option>";
      }
    } else {
      echo "<option value='ABC123'>Camión 5 Toneladas</option>";
      echo "<option value='DEF456'>Camioneta 3 Toneladas</option>";
      echo "<option value='GHI789'>Camión 10 Toneladas</option>";
    }
  </form>

```

```

        echo "<option value='JKL012'>Furgoneta 1 Tonelada</option>";
        echo "<option value='MNO345'>Camión 8 Toneladas</option>";
        echo "<option value='PQR678'>Camioneta 2 Toneladas</option>";
        echo "<option value='STU901'>Furgoneta 1.5
Toneladas</option>";
        echo "<option value='VWX234'>Camión 12 Toneladas</option>";
        echo "<option value='YZA567'>Camioneta 2.5
Toneladas</option>";
        echo "<option value='BCD890'>Camión 7 Toneladas</option>";
        echo "<option value='XYZ999'>Camioneta 1.8
Toneladas</option>";
    }

    ?>
</select><br>

<label for="warehouse_code">Almacén:</label>
<select id="warehouse_code" name="warehouse_code" required>
    <?php
        $sql = "SELECT code, name FROM Warehouse";
        $result = $conn->query($sql);
        if ($result->num_rows > 0) {
            while ($row = $result->fetch_assoc()) {
                echo "<option value='" . $row['code'] .
'>Almacen</option>";
            }
        } else {
            echo "<option value='WH001'>Almacén Principal
(WH001)</option>";
            echo "<option value='WH002'>Almacén Materia Prima
(WH002)</option>";
            echo "<option value='WH003'>Almacén Producto Terminado
(WH003)</option>";
            echo "<option value='WH004'>Almacén Refacciones
(WH004)</option>";
            echo "<option value='WH005'>Almacén Empaque
(WH005)</option>";
        }
    }

```

```

        $conn->close();
    ?>

</select><br>

    <button type="submit">Registrar</button>
</form>
</body>
</html>

```

### 13. Inventory

This html code is a section to consult the inventory of the specific inventory

```

<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <title>Consulta de Inventario por Almacén</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <h2>Consulta de Inventario por Almacén</h2>
    <form action="../php/inventory.php" method="POST">
        <label for="warehouse_code">Selecciona el Almacén:</label>
        <select id="warehouse_code" name="warehouse_code" required>
            <?php
                include 'conexion.php';
                $sql = "SELECT code, name FROM Warehouse";
                $result = $conn->query($sql);

                if ($result->num_rows > 0) {
                    while ($row = $result->fetch_assoc()) {
                        echo "<option value='" . $row['code'] . "'> Almacenes
</option>";
                    }
                } else {
                    echo "<option value='WH001'>Almacen Principal</option>";
                    echo "<option value='WH002'>Almacen Materia Prima</option>";
                    echo "<option value='WH003'>Almacen Producto
Terminado</option>";
                    echo "<option value='WH004'>Almacen Refacciones</option>";
                }
            }
        </select>
    </form>

```

```
        echo "<option value='WH005'>Almacen Empaque</option>";
    }
    $conn->close();
    ?>
</select>
<br><br>
<input type="submit" value="Consultar Inventario">
</form>
</body>
</html>
```

## PHP Code

### 1. Connection to the database

The following code shows the connection to the database

```
<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "cafpah";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
} else {
    echo "Connected successfully";
}
```

### 2. Register client

This code is responsible for processing and storing a client's data in the database.

```
<?php
include '../config/connection.php';

if (isset($_POST['name'], $_POST['lastname'], $_POST['username'],
$_POST['password'])) {
    $name = $_POST['name'];
```



```
$lastname = $_POST['lastname'];
$surname = $_POST['surname'] ?? null;
$company = $_POST['company'] ?? null;
$phone = $_POST['phone'] ?? null;
$street = $_POST['street'] ?? null;
$colony = $_POST['colony'] ?? null;
$number = $_POST['number'] ?? null;
$username = $_POST['username'];
$password = $_POST['password'];
$role_code = "R003";

$sql_check_user = "CALL CheckUserExists(?, @user_count)";
$stmt_check_user = $conn->prepare($sql_check_user);
$stmt_check_user->bind_param("s", $username);
$stmt_check_user->execute();

$result = $conn->query("SELECT @user_count AS total");
$row_check = $result->fetch_assoc();

if ($row_check['total'] > 0) {
    echo "El nombre de usuario '$username' ya está en uso. Por favor,
elige otro.";
    exit;
}

$sql_insert_user = "CALL InsertUserC(?, ?, ?, @new_user_id)";
$stmt_user = $conn->prepare($sql_insert_user);
$stmt_user->bind_param("sss", $username, $password, $role_code);

if ($stmt_user->execute()) {
    $result = $conn->query("SELECT @new_user_id AS user_num");
    $row_user = $result->fetch_assoc();
    $user_num = $row_user['user_num'];

    $sql_insert_client = "CALL InsertClient(?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
?)" ;
    $stmt_client = $conn->prepare($sql_insert_client);
```

```

        $stmt_client->bind_param("ssssssssiss", $name, $lastname, $surname,
$company, $phone, $street, $colony, $number, $user_num, $username,
$password);

        if ($stmt_client->execute()) {
            echo "Cliente registrado exitosamente con el nombre de usuario:
$username.";
        } else {
            echo "Error al registrar el cliente: " . $stmt_client->error;
        }

        $stmt_client->close();
    } else {
        echo "Error al registrar el usuario: " . $stmt_user->error;
    }

    $stmt_user->close();
} else {
    echo "Por favor, complete todos los campos obligatorios.";
}

$conn->close();

```

### 3. Report incident

This html is responsible for saving incidents in the database

```

<?php
include_once '../../config/connection.php';

$user = $_POST['username'];
$description = $_POST['description'];
$date = $_POST['date'];

$sql_user = "SELECT num FROM Users WHERE username = ?";
$stmt_user = $conn->prepare($sql_user);
$stmt_user->bind_param("s", $user);
$stmt_user->execute();
$result_user = $stmt_user->get_result();

if ($result_user->num_rows > 0) {

```

```

$user_id = $result_user->fetch_assoc()['num'];

$sql_incident = "INSERT INTO Incident (description, date, user) VALUES
(?, ?, ?)";
$stmt_incident = $conn->prepare($sql_incident);
$stmt_incident->bind_param("ssi", $description, $date, $user_id);

if ($stmt_incident->execute()) {
    echo "Incidente reportado con éxito.";
} else {
    echo "Error al reportar el incidente: " . $conn->error;
}

$stmt_incident->close();
} else {
    echo "Usuario no encontrado.";
}

$stmt_user->close();
$conn->close();
?>

```

#### 4. Start session employees

This code is responsible for collecting the employee login data and depending on the employee's role, it is responsible for sending you to the corresponding page.

```

<?php
include_once '../config/connection.php';

session_start();

if (isset($_POST['username']) && isset($_POST['password'])) {
    $username = $_POST['username'];
    $password = $_POST['password'];

    $sql = "SELECT num, username, password, role FROM Users WHERE username =
?";
    $stmt = $conn->prepare($sql);
    $stmt->bind_param("s", $username);
    $stmt->execute();

```

```
$result = $stmt->get_result();

if ($result->num_rows > 0) {
    $row = $result->fetch_assoc();
    if ($password == $row['password']) {
        $_SESSION['num'] = $row['num'];
        $_SESSION['role'] = $row['role'];

        switch ($row['role']) {
            case 'R001':
                header("Location: admin.php");
                exit();
            case 'R002':
                header("Location: empleado.php");
                exit();
            case 'R003':
                header("Location: repartidor.php");
                exit();
            default:
                echo "Rol no identificado.";
        }
    } else {
        header("Location: login.php?error=Contraseña incorrecta");
        exit();
    }
} else {
    header("Location: login.php?error=Usuario no encontrado");
    exit();
}

echo "Por favor, ingrese sus credenciales.";
}

?>
```

## 5. Login users

This login is responsible for checking that the client's data exists and if it exists, it allows the client to log in.

```
<?php
include '../config/connection.php';
```

```

session_start();

if (isset($_POST['username'], $_POST['password'])) {
    $username = $_POST['username'];
    $password = $_POST['password'];

    $sql_check_client = "SELECT num, username FROM Client WHERE username = ?
AND password = ?";
    $stmt_check_client = $conn->prepare($sql_check_client);
    $stmt_check_client->bind_param("ss", $username, $password);
    $stmt_check_client->execute();
    $result_client = $stmt_check_client->get_result();

    if ($result_client->num_rows === 1) {
        $client_data = $result_client->fetch_assoc();
        $_SESSION['client_id'] = $client_data['num'];
        $_SESSION['client_username'] = $client_data['username'];

        header("Location: cliente_inicio.php");
        exit;
    } else {
        echo "Nombre de usuario o contraseña incorrectos.";
    }

    $stmt_check_client->close();
} else {
    echo "Por favor, ingrese su nombre de usuario y contraseña.";
}

$conn->close();
?>

```

## 6. Stars session admin

This code is a code in which once an employee logs in and their role is verified, then depending on the case they will be sent to an assigned page, in this case it is for supervisors.

```

<?php
session_start();

```

```
if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'R001') {
    header("Location: login.php");
    exit();
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Supervisor Dashboard</title>
</head>
<body>
    <h1>Bienvenido, Supervisor</h1>
    <p>Este es tu panel de control.</p>

    <a href="logout.php">Cerrar sesión</a>
</body>
</html>
```

## 7. Start session worker

This code is a code in which once an employee logs in and their role is verified, then depending on the case they will be sent to an assigned page, in this case it is for warehouse workers.

```
<?php
session_start();
if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'R002') {
    header("Location: login.php");
    exit();
}
?>

<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Operador Dashboard</title>
</head>
<body>
  <h1>Bienvenido, Operador</h1>
  <p>Este es tu panel de control.</p>

  <a href="logout.php">Cerrar sesión</a>
</body>
</html>
```

## 8. Start session transporters

This code is a code in which once an employee logs in and their role is verified, then depending on the case they will be sent to an assigned page, in this case it is for the transporters.

```
<?php
session_start();
if (!isset($_SESSION['role']) || $_SESSION['role'] !== 'R003') {
    header("Location: login.php");
    exit();
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Transportista Dashboard</title>
</head>
<body>
  <h1>Bienvenido, Transportista</h1>
  <p>Este es tu panel de control.</p>

  <a href="logout.php">Cerrar sesión</a>
</body>
</html>
```

## 9. New Employees

This code is responsible for collecting the data of new employees and storing them in the database and in turn generating a username and password for them.

```
<?php
include 'conexion.php';

function generarPassword($longitud = 8) {
    $caracteres =
'0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';
    $longitudCaracteres = strlen($caracteres);
    $password = '';
    for ($i = 0; $i < $longitud; $i++) {
        $password .= $caracteres[rand(0, $longitudCaracteres - 1)];
    }
    return $password;
}

if (isset($_POST['warehouse_code'], $_POST['name'], $_POST['lastname'],
$_POST['role'])) {
    $warehouse_code = $_POST['warehouse_code'];
    $name = $_POST['name'];
    $lastname = $_POST['lastname'];
    $surname = $_POST['surname'] ?? '';
    $role = $_POST['role'];
    $vehicle_num = $_POST['vehicle_num'] ?? null;

    $sql_check_warehouse = "SELECT COUNT(*) AS total FROM Warehouse WHERE
code = ?";
    $stmt_check_warehouse = $conn->prepare($sql_check_warehouse);
    $stmt_check_warehouse->bind_param("s", $warehouse_code);
    $stmt_check_warehouse->execute();
    $result_check_warehouse = $stmt_check_warehouse->get_result();

    if ($result_check_warehouse) {
        $row_check = $result_check_warehouse->fetch_assoc();
        if ($row_check['total'] == 0) {
            echo "El código de almacén '$warehouse_code' no existe en la
tabla Warehouse.";
            exit;
        }
    }
}
```



```

    }
} else {
    echo "Error en la consulta para verificar el almacén: " . $conn-
>error;
    exit;
}

$sql_get_usernum = "SELECT MAX(num) AS max_usernum FROM Users";
$result_usernum = $conn->query($sql_get_usernum);

if ($result_usernum && $result_usernum->num_rows > 0) {
    $row_usernum = $result_usernum->fetch_assoc();
    $user_num = $row_usernum['max_usernum'] + 1;
} else {
    $user_num = 1;
}

$username = strtolower(substr($name, 0, 2) . substr($lastname, 0, 2) .
substr($surname, 0, 2));
if (strlen($username) < 3) {
    $username .= rand(100, 999);
}
$password = generarPassword(10);

$sql_insert_user = "INSERT INTO Users (num, username, password, role)
VALUES (?, ?, ?, ?)";
$stmt_user = $conn->prepare($sql_insert_user);
$stmt_user->bind_param("isss", $user_num, $username, $password, $role);

if ($stmt_user->execute()) {
    $vehicle_num = !empty($vehicle_num) ? $vehicle_num : null;

    $sql_insert_employee = "INSERT INTO Employees (name, lastname,
surname, role, usernum, username, password, vehicle, warehouse)
VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)";
    $stmt_employee = $conn->prepare($sql_insert_employee);
    $stmt_employee->bind_param("ssssiiss", $name, $lastname, $surname,
$role, $user_num, $username, $password, $vehicle_num, $warehouse_code);

```

```
        if ($stmt_employee->execute()) {
            echo "Empleado registrado exitosamente con el nombre de usuario:
$username y contraseña: $password.";
        } else {
            echo "Error al registrar el empleado: " . $stmt_employee->error;
        }

        $stmt_employee->close();
    } else {
        echo "Error al registrar el usuario: " . $stmt_user->error;
    }

    $stmt_user->close();
} else {
    echo "Por favor, complete todos los campos obligatorios.";
}

$conn->close();
```

## 10. Inventory

This code searches for inventory information belonging to the selected warehouse.

```
<?php
include_once 'conexion.php';

if (isset($_POST['warehouse_code'])) {
    $warehouse_code = $_POST['warehouse_code'];

    $sql_warehouse = "SELECT name, street, colony, number FROM Warehouse
WHERE code = ?";
    $stmt = $conn->prepare($sql_warehouse);
    $stmt->bind_param("s", $warehouse_code);
    $stmt->execute();
    $result_warehouse = $stmt->get_result();

    if ($result_warehouse->num_rows > 0) {
        $warehouse = $result_warehouse->fetch_assoc();
```

```

        echo "<h3>Almacén: " . htmlspecialchars($warehouse['name']) .
"</h3>";
        echo "<p>Dirección: " . htmlspecialchars($warehouse['street']) . ", "
. htmlspecialchars($warehouse['colony']) . ", No. " .
htmlspecialchars($warehouse['number']) . "</p>";

        $sql_inventory = "SELECT Stock.name AS stock_name, Stock.amount,
Item.name AS item_name, Item.description
                        FROM Inventory
                        JOIN Stock ON Inventory.stock = Stock.code
                        JOIN Item ON Inventory.item = Item.code
                        WHERE Stock.warehouse = ?";
        $stmt_inventory = $conn->prepare($sql_inventory);
        $stmt_inventory->bind_param("s", $warehouse_code);
        $stmt_inventory->execute();
        $result_inventory = $stmt_inventory->get_result();

        if ($result_inventory->num_rows > 0) {
            echo "<table>";
            echo
"<tr><th>Artículo</th><th>Descripción</th><th>Cantidad</th></tr>";

            while ($inventory = $result_inventory->fetch_assoc()) {
                echo "<tr>";
                echo "<td>" . htmlspecialchars($inventory['item_name']) .
"</td>";
                echo "<td>" . htmlspecialchars($inventory['description']) .
"</td>";
                echo "<td>" . htmlspecialchars($inventory['amount']) .
"</td>";
                echo "</tr>";
            }
            echo "</table>";
        } else {
            echo "<p>No hay inventario disponible en este almacén.</p>";
        }
    } else {
        echo "<p>Almacén no encontrado.</p>";
    }
}

```

```
$stmt->close();
$stmt_inventory->close();
$conn->close();
} else {
    echo "<p>Por favor, seleccione un almacén.</p>";
}
?>
```

## 11. History

This code is responsible for showing the history of orders made by customers.

```
<?php
session_start();

if (!isset($_SESSION['client_id'])) {
    header("Location: login.php");
    exit();
}

include 'conexion.php';

$client_id = $_SESSION['client_id'];

$sql = "SELECT s.num AS shipment_id, s.date AS order_date, s.delivery_date,
r.status
        FROM Shipment s
        JOIN Record r ON s.num = r.shipment
        WHERE s.client = ?
        ORDER BY s.date DESC";

$stmt = $conexion->prepare($sql);
$stmt->bind_param("i", $client_id);
$stmt->execute();
$result = $stmt->get_result();

?>

<!DOCTYPE html>
<html lang="es">
```

```

<head>
  <meta charset="UTF-8">
  <title>Historial de Pedidos</title>
</head>
<body>
  <h1>Historial de Pedidos</h1>

  <?php if ($result->num_rows > 0): ?>
    <table>
      <tr>
        <th>ID Pedido</th>
        <th>Fecha de Pedido</th>
        <th>Fecha de Entrega</th>
        <th>Último Estatus</th>
      </tr>
      <?php while ($row = $result->fetch_assoc()): ?>
        <tr>
          <td><?php echo $row['shipment_id']; ?></td>
          <td><?php echo $row['order_date']; ?></td>
          <td><?php echo $row['delivery_date']; ?></td>
          <td><?php echo $row['status']; ?></td>
        </tr>
      <?php endwhile; ?>
    </table>
  <?php else: ?>
    <p>No tienes pedidos en tu historial.</p>
  <?php endif; ?>

  <a href="index.php">Volver a la Página Principal</a>
</body>
</html>

<?php
$stmt->close();
$conexion->close();
?>

```

## 12. Session client

The following is a code that starts a client session and sends them to your main page once the data is verified to be correct.

```
<?php
session_start();

if (!isset($_SESSION['client_id'])) {
    header("Location: login_form.php");
    exit;
}

$client_username = $_SESSION['client_username'];
?>

<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Inicio del Cliente</title>
</head>
<body>
    <h1>Bienvenido, <?php echo htmlspecialchars($client_username); ?>!</h1>
    <p>Has iniciado sesión exitosamente.</p>
    <a href="logout.php">Cerrar sesión</a>
</body>
</html>
```

### 13. Tracking

This code is responsible for providing the location of the package to our customers.

```
<?php
include 'conexion.php';

if (isset($_GET['tracking_code'])) {
    $tracking_code = $_GET['tracking_code'];

    $sql = "SELECT Record.date, Record.location, Record.status
            FROM Shipment
            JOIN Record ON Shipment.num = Record.shipment
```

```
WHERE Shipment.num = ?
ORDER BY Record.date DESC";

$stmt = $conn->prepare($sql);
$stmt->bind_param("i", $tracking_code);
$stmt->execute();
$result = $stmt->get_result();

if ($result->num_rows > 0) {
    while ($row = $result->fetch_assoc()) {
        echo "Fecha: " . $row['date'] . "<br>";
        echo "Ubicación: " . $row['location'] . "<br>";
        echo "Estado: " . $row['status'] . "<br><br>";
    }
} else {
    echo "No se encontraron detalles para este código de rastreo.";
}

$stmt->close();
} else {
    echo "Por favor, ingrese un código de rastreo válido.";
}
?>

<form method="GET" action="rastreo.php">
    <label for="tracking_code">Ingrese su código de rastreo:</label>
    <input type="text" id="tracking_code" name="tracking_code" required>
    <input type="submit" value="Rastrear">
</form>
```