**General Architecture**

The architecture follows a client-server model:

1. Client (Frontend):

o A web page built with HTML, CSS, and JavaScript that requests and displays truck data.

2. Server (Backend):

o A server that runs PHP scripts to connect to a MySQL database, process data, and return it to the client in JSON format.

3. Database:

o MySQL stores the informationComponentes Principales

**Database**

• Technologies used: MySQL.

• Table schema:

Database name: companyX

Table name: trucks

Structure:

|  |
| --- |
| Field Type Description |
| id INT (PK) Unique identifier of the truck. |
| make VARCHAR(50) Truck manufacturer |
| model VARCHAR(50) Truck model |
| year INT Year of manufacture. |
| capacity FLOAT Load capacity in tons. |
| status VARCHAR(20) Current status |

**Architecture Diagram**

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| | | | | |

| Navegador | | Servidor Web | | Base de Datos |

| (Cliente) +-----> | PHP (read\_all\_ +-----> | MySQL (companyX) |

| HTML, JS | | \_trucks.php) | | Tabla: trucks |

| | | | | |

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