School: Universidad Tecnológica de Tijuana

Career: IT Multiplatform Software Development

Subject: Application Development
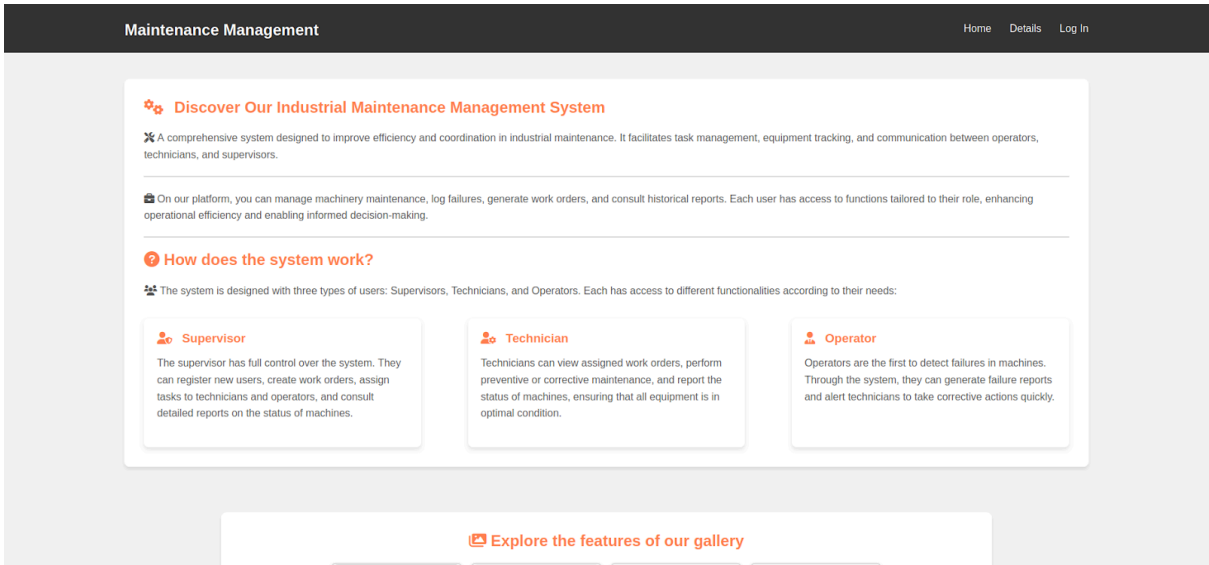
Work: Final Project

Members:
- Bojorquez Barraza Jesus Alejandro
- Miramontes Gutiérrez Rodolfo Manuel
- Ponce Zeferino Alann Eduardo

Teacher: Ray Brunett Parra Galaviz

Group: 3C

HOMEPAGE:

In this section all the user can watch information about us and can login

AMINISTRATOR:

Create Work Order

Technician:

Select a technician ⌄

Equipment:

Select equipment ⌄

Due Date:

dd/mm/aaaa 📅

Type of Maintenance:

Select a type of maintenance ⌄

Description of Work Order:

Generate Work Order

The administrator can do work orders.

Report History

Search by operator   Search   Sort by Date ⌄

Report ID	Date	Description	Reported By	Actions
#REP1	2024-01-10	El motor no arranca debido a un fallo eléctrico.	Carlos Eduardo	Generate Order Delete
#REP2	2024-01-12	Se detecta una fuga de aceite en la bomba.	Carlos Eduardo	Generate Order Delete
#REP3	2024-01-15	La cinta transportadora se detuvo inesperadamente.	María José	Generate Order Delete
#REP4	2024-01-20	El sistema se sobrecalienta durante la operación.	María José	Generate Order Delete
#REP5	2024-01-25	El sensor de presión no está funcionando correctamente.	Roberto	Generate Order Delete
#REP6	2024-01-30	El compresor no genera aire comprimido.	Roberto	Generate Order Delete
#REP7	2024-02-05	Los rodillos de la cinta transportadora están desgastados.	Ana	Generate Order Delete
#REP8	2024-02-10	El sistema hidráulico presenta pérdida de presión.	Ana	Generate Order Delete
#REP9	2024-02-15	El sistema de refrigeración no enfría adecuadamente.	Jorge	Generate Order Delete
#REP10	2024-02-20	El amortiguador hidráulico no responde.	Jorge	Generate Order Delete

The administrator can watch report history, that reports are sent by operators.

Spare Parts Purchase Form

Spare Part:

Select a spare part ▼

Quantity:

Enter the quantity

Supplier:

Select a supplier ▼

Make Purchase

The administrator can do spare parts purchases, the administrator just select what he need and send a form about that.

Work Orders

Order ID	Description	Creation Date	Status	Actions	
22	Se rompio	2024-11-29 14:05:07	Completada	Delete	Update
25	Pruebita123	2024-12-01 12:47:47	Completada	Delete	Update
37	Se rompio una parte de el robot de montaje	2024-12-02 09:26:47	Pendiente	Delete	Update
38	Se descompuso	2024-12-02 11:19:23	Pendiente	Delete	Update
39	Se ha roto	2024-12-03 18:25:24	Pendiente	Delete	Update
40	Falta instalacion	2024-12-03 18:53:27	Pendiente	Delete	Update
42	Instalacion de rutina	2024-12-03 20:25:29	Pendiente	Delete	Update

the administrator can watch the work orders and he can delete or update,he just can update the description.

Maintenance Reports

All ⌄   **Filter**

Equipment Name	Technician	Completion Date	Results	Observations
Robot Soldador	Javi	2025-12-01	Exitoso	todo bien
Compresora de Aire	Javi	2024-12-02	Exitoso	se completo con exito 2
Compresora de Aire	Javi	2024-12-02	Exitoso	se completo con exito
Robot Soldador	pruebitadelete	2024-12-02	Exitoso	Se completo con exito
Máquina de Corte por Laser	Javi	2024-12-02	Exitoso	listo
Sistema de Monitoreo de Producción	Javi	2024-12-02	Exitoso	creo que ya
Robot Soldador	Javi	2024-12-02	Exitoso	sin novedad
Compresora de Aire	Javi	2024-12-01	Exitoso	se completo
Máquina de Corte por Laser	Javi	2024-12-01	No se pudo completar	pruebatoma2
Robot de Pintura	Javi	2024-12-01	Exitoso	todo bien todo correcto
Máquina de Ensamblaje	Javi	2024-12-01	Exitoso	todo bien
Máquina de Corte por Laser	Javi	2024-12-01	Exitoso	se completo ajajja
Robot Soldador	Javi	2024-12-01	Exitoso	se completo con exito prueba
Prensa Hidráulica	Javi	2024-12-01	Exitoso	se completo con exito

The administrator can view maintenance reports made by technicians when completing a work order.

Maintenance History

Order by Date:
Newest to Oldest ⌄

#MANT7	2024-02-07	Exitoso	funcionando óptimamente. Se verificaron todas las conexiones.	Sistema de Monitoreo de Producción
#MANT6	2024-02-03	Exitoso	Reemplazo exitoso de rodillos. La cinta funciona sin vibraciones ni ruidos.	Máquina de Corte por Laser
#MANT5	2024-01-27	Exitoso	Cambio de aceite completado. Se limpiaron los filtros y se verificó el funcionamiento.	Robot de Montaje
#MANT4	2024-01-22	Exitoso	Calibración exitosa del sensor de presión. Se verificó la precisión de las lecturas.	Elevador Hidráulico
#MANT3	2024-01-17	Exitoso	Inspección completa de la cinta transportadora. Se ajustaron los rodillos y la tensión.	Cinta Transportadora

The administrator can watch maintenance history, that history is about the maintenance that technician did

Machine Registration

Machine Name:

Enter the machine name

Model:

Enter the machine model

Brand:

Enter the machine brand

Status:

Operational

Equipment Location:

Select equipment location

Register Machine

The administrator can register a new machine, it is a form and the administrator can fill out the fields

ID	Name	Ubication	Action	
1	Robot Soldador	U001	Actualizar	Eliminar
2	Máquina de Ensamblaje	U001	Actualizar	Eliminar
3	Cinta Transportadora	U001	Actualizar	Eliminar
4	Elevador Hidráulico	U001	Actualizar	Eliminar
5	Robot de Montaje	U001	Actualizar	Eliminar
6	Máquina de Corte por Laser	U001	Actualizar	Eliminar
7	Sistema de Monitoreo de Producción	U001	Actualizar	Eliminar
8	Horno de Curado	U002	Actualizar	Eliminar
9	Máquina de Pintura Automática	U002	Actualizar	Eliminar
10	Robot de Pintura	U002	Actualizar	Eliminar
11	Compresora de Aire	U002	Actualizar	Eliminar
12	Cabina de Pintura	U002	Actualizar	Eliminar

The administrator can drop and update equipment.

All Users

ID	**Name**	**Last Name**	**Email**	**Phone**	**Action**	
1	Carlos Andrés	Pérez	carlos.perez@autoindustry.com	(664) 123 4567	Delete	Update
2	María José	López	maria.lopez@autoindustry.com	(664) 234 5678	Delete	Update
3	Roberto	Sánchez	roberto.sanchez@autoindustry.com	(664) 345 6789	Delete	Update
4	Ana	Martínez	ana.martinez@autoindustry.com	(664) 456 7890	Delete	Update
5	Jorge	Fernández	jorge.fernandez@autoindustry.com	(664) 567 8901	Delete	Update
6	Pedro Pablo	Gómez	pedro.gomez@autoindustry.com	(664) 678 9012	Delete	Update
7	Luis	Torres	luis.torres@autoindustry.com	(664) 789 0123	Delete	Update
8	Verónica	Sosa	veronica.sosa@autoindustry.com	(664) 890 1234	Delete	Update

The administrator can watch all the user and can delete user and also can search an user

Operator Registration

First Name:

Enter first name

Last Name:

Enter last name

Middle Name:

Enter middle name

Phone Number:

Enter phone number

Register Operator

The administrator can register a new operator.

Technician Registration

First Name:

Enter first name

Last Name:

Enter last name

Second Last Name:

Enter second last name

Phone Number:

Enter phone number

Specialty:

Enter technician's specialty

Register Technician

The administrator can register a new technician.

My Profile

✕

Name:

Mónica

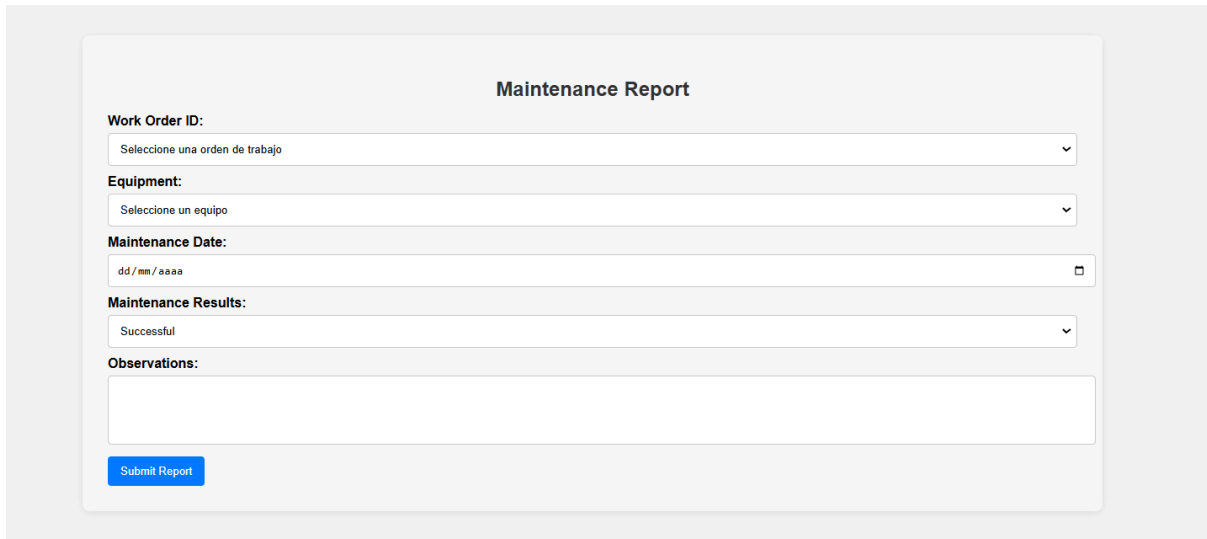**Last Name:**

Rojas

Second Last Name:

Díaz

Phone Number:

(664) 027 1134

Email:

monica.rojas@autoindustry.com

Save Changes

Administrator can change his own information, personal data like phone number, email, name, last name, etc.

TECHNICIAN:
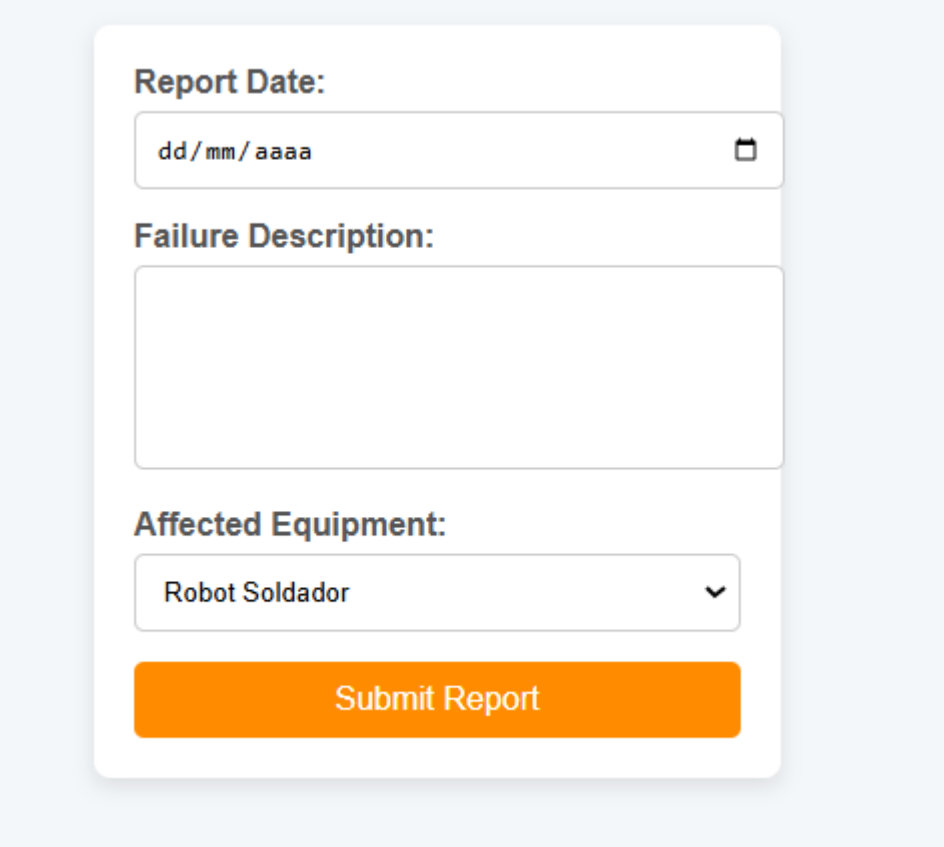
The technician can do a maintenance report, he do when he ends the maintenance from any equipment

The technician can watch personal information and he can update that information.

OPERATOR:

Report Date:

dd/mm/aaaa

Failure Description:

Affected Equipment:

Robot Soldador

Submit Report

The Operator can do a report about that failure.

Mi Perfil

Nombre: Carlos Eduardo

Apellido: Pérez

Segundo Apellido: Gómez

Número de Teléfono: (664) 123 4567

Email: carlos.perez@autoindustry.com

Editar Información

The operator can watch personal information and he can update that information.