VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

INTRODUCTION:

A Vehicle Management System is an application where a customer details are stored inorder to choose cars, bikes and commercial vehicles for travel with in the city . The data which is stored here is further used to remind them if any offers are provided during the seasons and any updates regarding vehicles are sent to them in the form of messages mails.

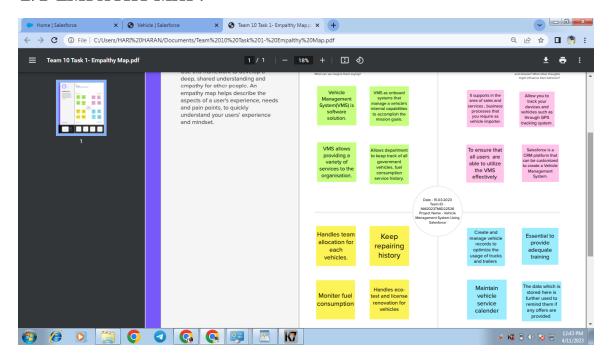
PURPOSE:

A Vehicle Management System is a software system or platform that serves to manage commercial fleets of vehicles such as cars, vans or trucks or even heavy equipment to ensure they are utilized safely efficiently and professionally while making sure they are well maintained and high performing.

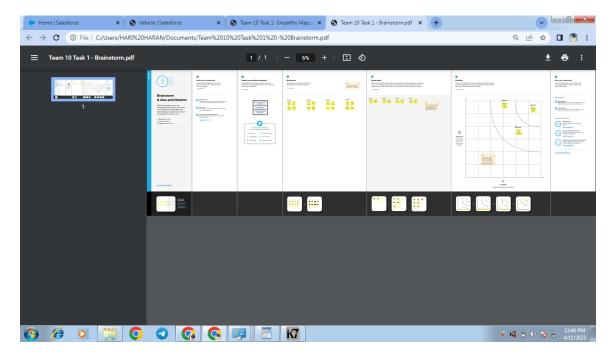
| Object name | Fields in the objects | |
|------------------|-----------------------|-----------|
| Object 1-Vehicle | | |
| | Filed Name | Data Type |
| | Vehicle | Text |
| | | |
| Object 2-Drivers | Filed Name | Data Type |
| | Driver | Text |
| | | |
| | | |

PROBLEM DEFINITION & DESIGN THINKING:

2.1 EMPATHY MAP:



2.2 IDEATION & BRAINSTORMING:

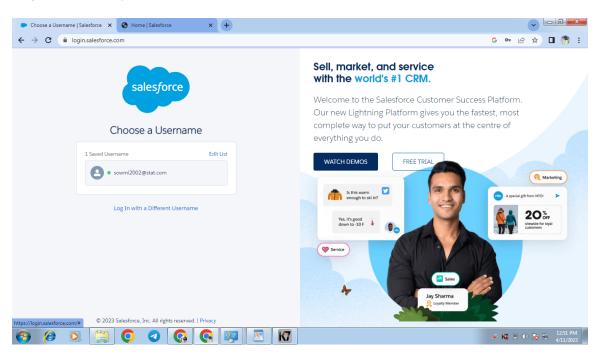


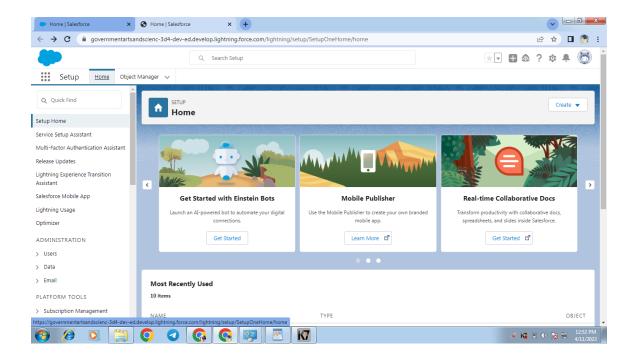
3. RESULT:

3.2 ACTIVITY & SCREENSHOT:

MILESTONE 1:

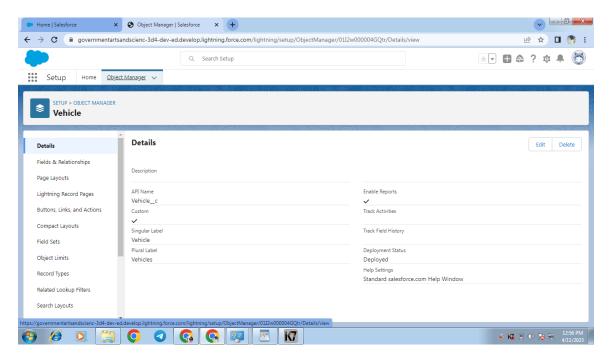
ACTIVITY 1:



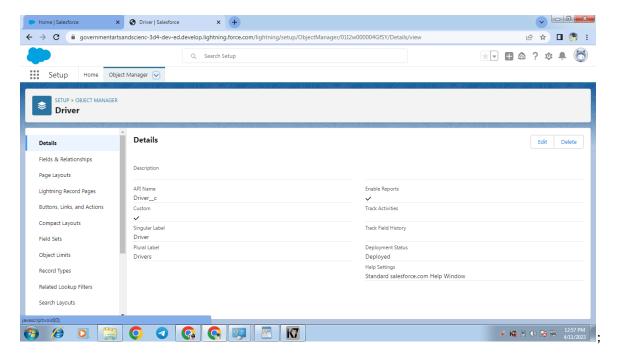


MILESTONE 2: OBJECT

ACTIVITY 1:



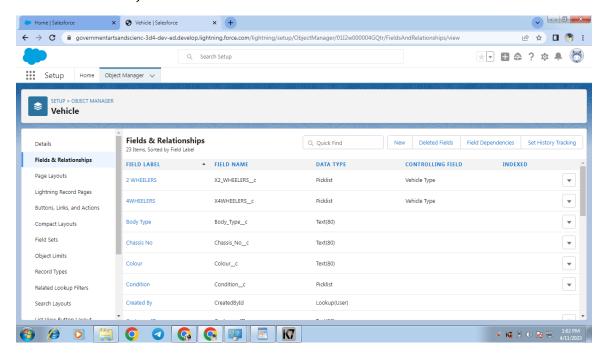
ACTIVITY 2:



MILESTONE 3:FIELDS & RELATIONSHIPS

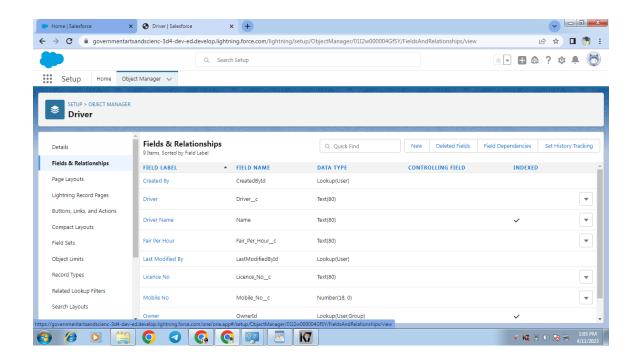
ACTIVITY 1:

CREATION OF OBJECTS



ACTIVITY 2:

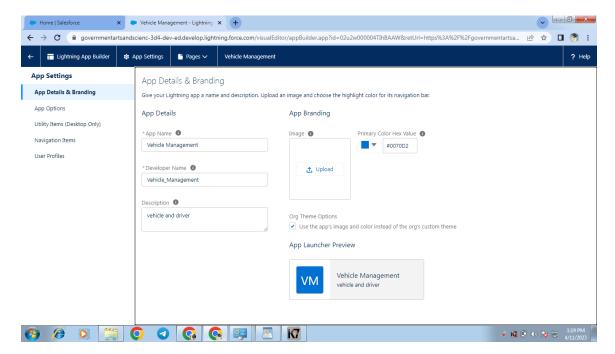
FIELDS IN DRIVER OBJECT



MILESTONE 4:LIGHTNING APP

ACTIVITY 1:

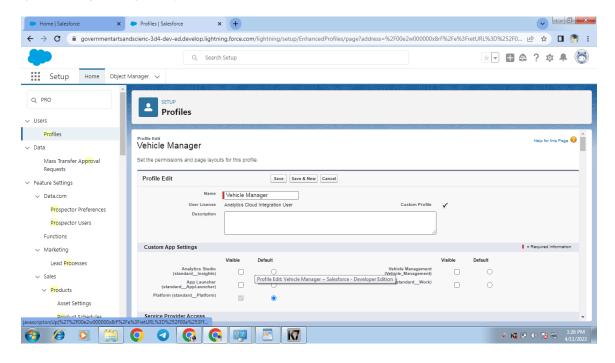
CREATE THE VEHICLE MANAGEMENT CONSTRUCTION APP



MILESTONE 5:

ACTIVITY 1:

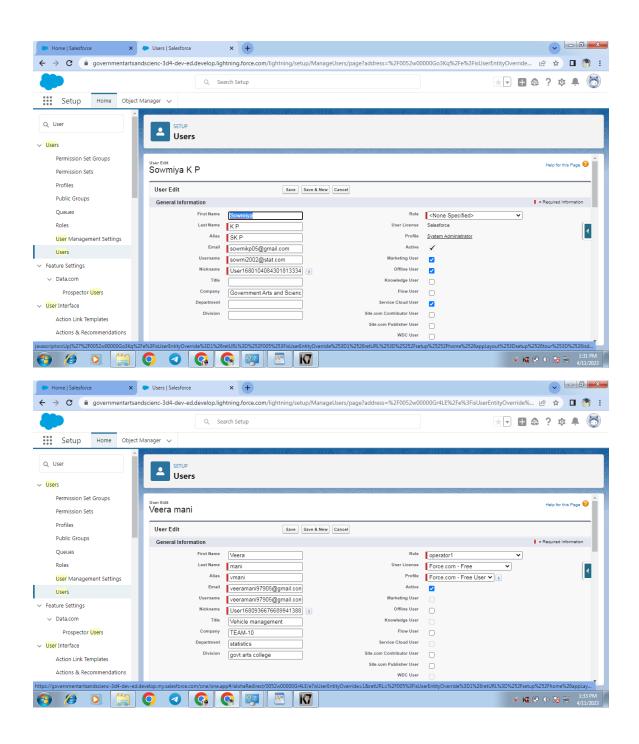
CREATING A PROFILE:



MILESTONE 6:USERS

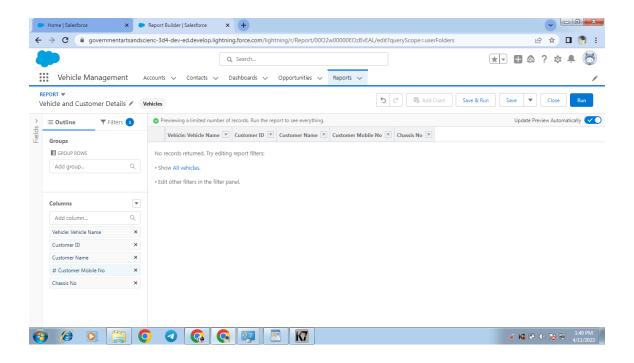
ACTIVITY 1:

CREATING A USERS

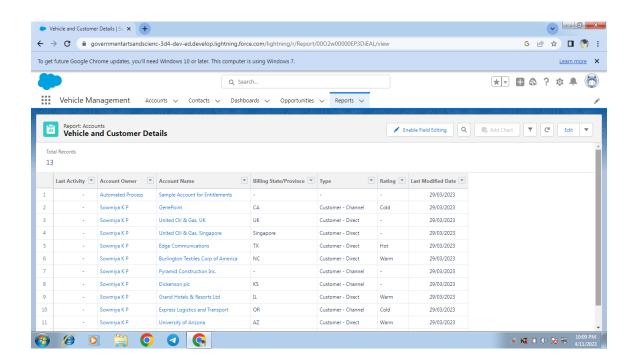


MILESTONE 7: REPORTS

ACTIVITY 1:



ACTIVITY 2:



4. TRAILHEAD PROFILE PUBLICURL

Team Lead - https://trailblazer.me/id/sowkp1

Team Member 1-https://trailblazer.me/id/vmani174

Team Member 2-http://trailblazer.me/id/vevel11

Team Member 3-https://trailblazer.me/id/vasantharaj

5. ADVANTAGES

Implementing a vehicle management system using Salesforce offers several advantages for organizations. Here are some key benefits:

- Improved operational efficiency: A vehicle management system using Salesforce can help organizations streamline their fleet operations, enabling them to track vehicle usage, fuel consumption, maintenance schedules, and other key data points. This information can be used to optimize routes and schedules, reduce idle time, and ensure vehicles are properly maintained, resulting in improved operational efficiency and reduced costs.
- Better data management: The use of Salesforce's CRM capabilities can enable organizations to collect, store, and analyze customer data more effectively. This can help organizations to understand customer needs and preferences, tailor their services accordingly, and improve customer satisfaction.
- Enhanced customer service: With better data management and realtime insights, organizations can provide more responsive and personalized customer service. For example, organizations can use vehicle tracking data to provide customers with real-time updates on their deliveries, reducing wait times and improving the overall customer experience.

Overall, a vehicle management system using Salesforce offers several advantages for organizations, including improved operational efficiency, better data management, enhanced customer service, increased safety and compliance, and scalability and customization.

DISADVANTAGES

While a vehicle management system using Salesforce can offer several advantages for organizations, there are also some potential disadvantages to consider. Here are some key challenges:

- Initial implementation costs: Implementing a vehicle management system using Salesforce can require significant upfront costs, including software licenses, hardware, and implementation services. This can be a barrier to adoption, particularly for smaller organizations with limited budgets.
- Integration challenges: Integrating a vehicle management system with existing systems and processes can be complex and time-consuming. Organizations may need to invest in additional technology and expertise to ensure a smooth integration.
- Training and user adoption: To ensure that a vehicle management system is used effectively, employees may need to undergo training and change the way they work. This can be a significant challenge, particularly for organizations with a large workforce or multiple locations.

6.APPLICATIONS

While a vehicle management system using Salesforce can offer several advantages for organizations, there are also some potential disadvantages to consider. Here are some key challenges:

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7.CONCLUSION

In conclusion, implementing a vehicle management system using Salesforce can offer several benefits to organizations, including improved operational efficiency, better data management, and enhanced customer service. The system can help organizations to manage their fleet of vehicles more effectively, track vehicle maintenance and repair schedules, and monitor fuel consumption and other expenses. Additionally, the use of Salesforce's CRM capabilities can allow organizations to better understand their customers' needs and preferences, and tailor their services accordingly.

Overall, a vehicle management system using Salesforce can be a valuable investment for organizations looking to optimize their fleet operations and improve customer satisfaction. However, it is important to carefully plan and execute the implementation process, and ensure that the system is customized to meet the specific needs of the organization. Additionally, ongoing training and support may be necessary to ensure that employees are fully equipped to use the system effectively.

8.FUTURE SCOPE

The future scope for a vehicle management system using Salesforce is quite promising, as the technology continues to evolve and improve. Here are some potential areas of growth and development for this type of system:

- Integration with emerging technologies: With the rapid development of new technologies such as artificial intelligence, machine learning, and the Internet of Things (IoT), there is a great opportunity to integrate these technologies with vehicle management systems. For example, Alpowered predictive maintenance can help organizations anticipate maintenance needs before they become serious issues, while IoT sensors can provide real-time data on vehicle performance and location.
- Enhanced analytics capabilities: As organizations collect more data on their vehicle fleets, there is an opportunity to leverage this data to gain deeper insights into fleet performance, cost analysis, and customer behavior. Advanced analytics capabilities can enable organizations to identify trends, optimize routes and schedules, and make data-driven decisions to improve efficiency and reduce costs.
- Improved mobile capabilities: With the increasing use of mobile devices for work, there is a growing need for vehicle management systems to be accessible and functional on mobile devices. Future developments could include improved mobile apps and interfaces that allow fleet managers and drivers to access important information and perform key tasks on the go.
- Expansion into new markets: As the global market for transportation and logistics continues to grow, there is potential for vehicle management systems using Salesforce to expand into new markets and industries. For example, the system could be adapted for use in public transportation, shipping and delivery, or construction and heavy machinery industries.

Overall, the future scope for a vehicle management system using Salesforce is quite promising, with opportunities for integration with emerging technologies, enhanced analytics capabilities, improved mobile capabilities, and expansion into new markets.