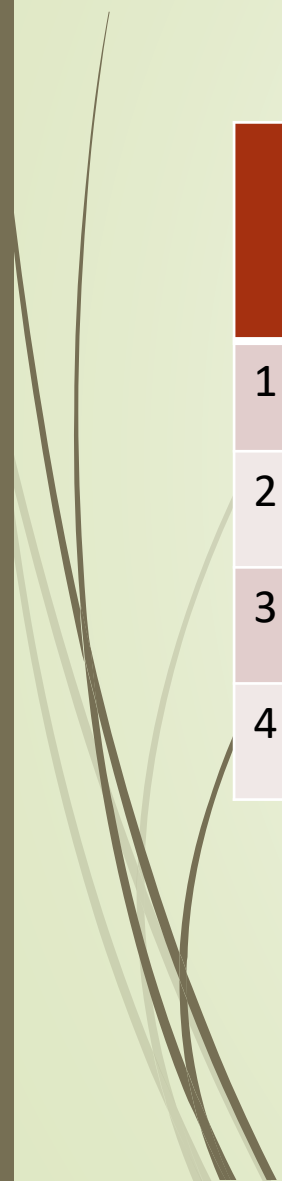


Manamperi Hardware Management System

Project proposal :

Information Technology project 2022





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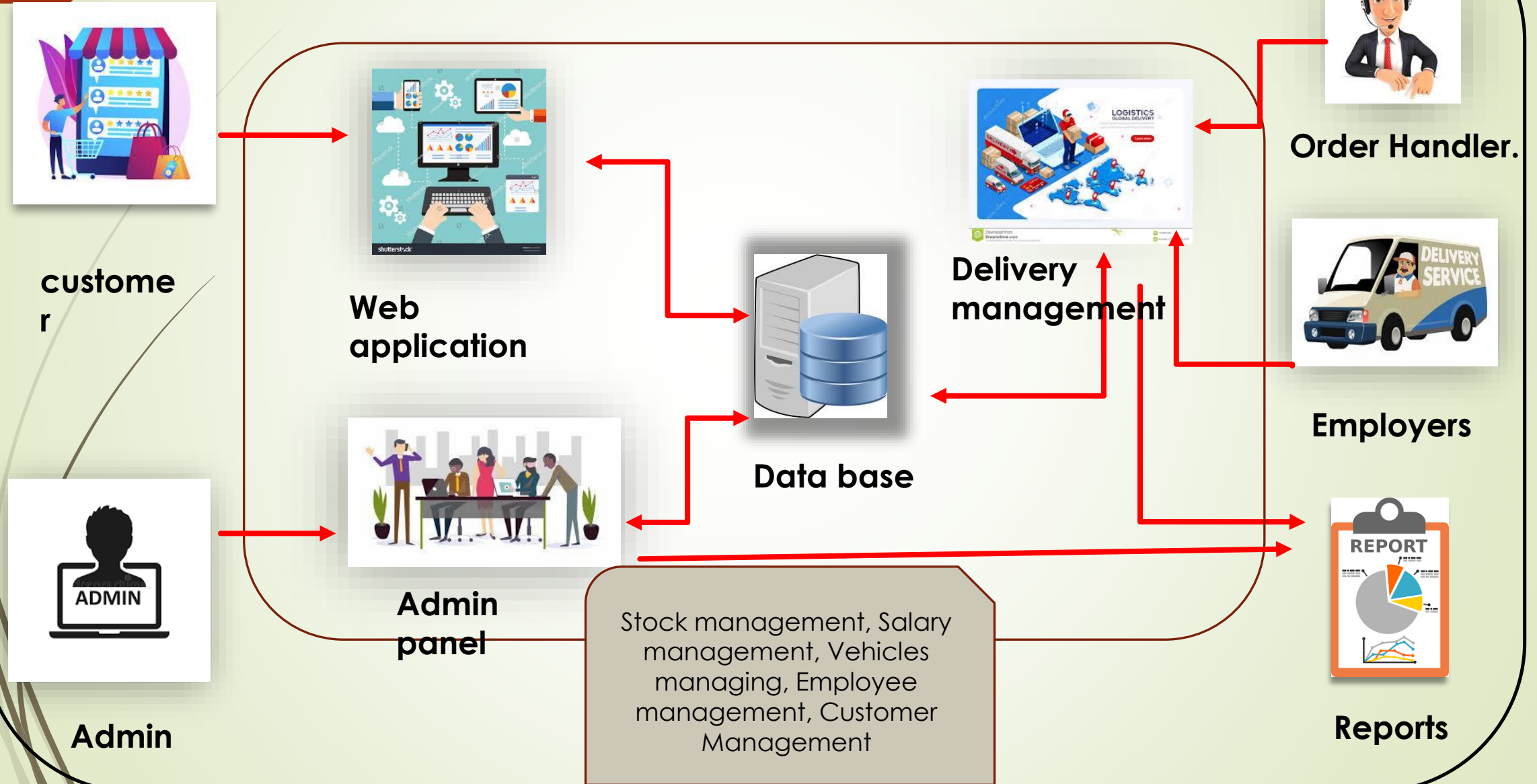
Content

- 
- 1. Introduce the client
 - 2. System Overview
 - 3. Functions in Detail
 - Manage salary
 - Employee Management
 - stock Management
 - Vehicles and Delivery Management
 - 4. Tools and Technologies
 - 5. Work Distribution

1. Introduce the Client

- We are developing an automate system for the 'Manamperi Hardware' , which is situated in Middeniya.
- Since client doesn't have a website, all the functions are done offline and manually
- So, lots of manpower is used to manage their business. Our goal with this web site is to reduce manpower as much as we can to enhance the efficiency and the productivity of the client.
- Ultimately, client can reach a new customer base and customer satisfaction will also be increased.

2. System Overview


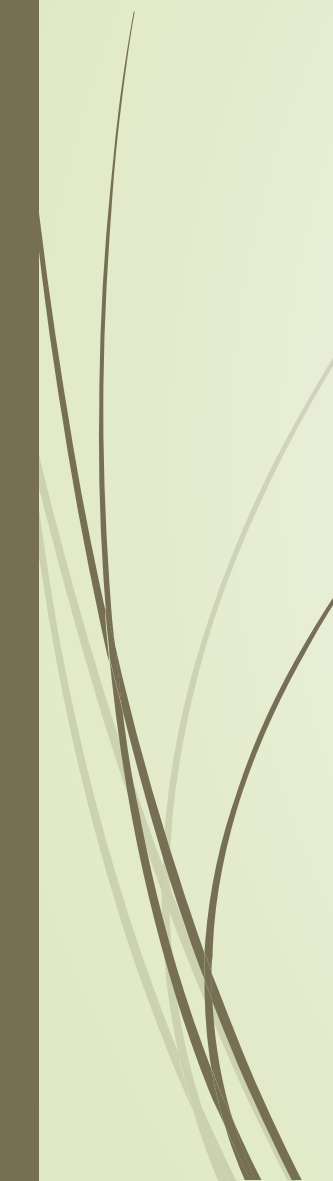




3. Functions in Detail



01. Salary Management

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- System administrator can search employees by their name or employee ID and also could update or delete them.
 - View all employees' salary details.
 - client can make payments to the employees effortlessly.
 - system allows system administrator to enter or update employees' work hours, incentives, and salary deductions manually.
 - after system will calculate the total salary automatically.
 - System administrator can get a system generated reports / summary of salary details of a given time period, for the reviewing purposes.



Problems :

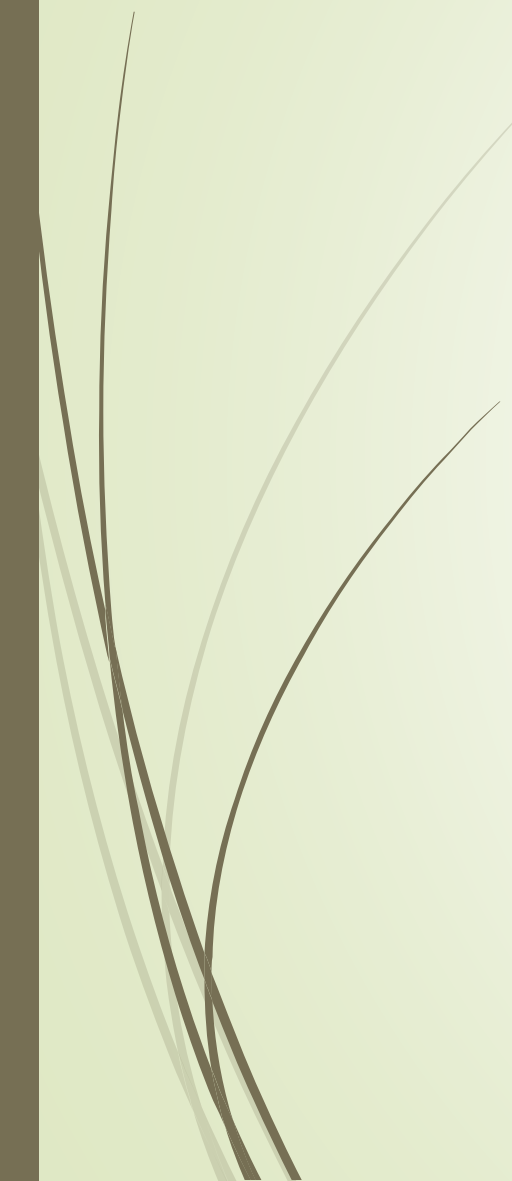
- Difficult to calculate all the payments manually.
- Need organized reports to review and analyze.
- Difficult to store all the salary details manually.

Solution:

- Displaying system calculated total salary and store those details.
- Create system generated reports for analyze purposes.





Benefits:

- Easy to handle.
 - Reduce the time and workload.
 - Can analyze data / reports efficiently.
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02. Employee Management

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- Administrator can log in to the system ,using administrators log in page .
 - Administrator is the responsible person of manipulate customer details.
 - Administrator can add new employees ,delete new employees ,update employee details and he also can read employee details.
 - To add new employee admin must provide manual form and contract to the applicant after fill the details and check details are validate then admin can add new employee to the system.
 - Employees can manually report their issues to the administration , then admin consider it and record and analyze the issues.
 - Finally, system automatically generate monthly report about employees .



Problems:

- Ensure there are no any issues with the employee credibility.
- How to manage employee's issues .
- How to ensure employee cover their relevant work hours.

Solution:

- Applicant must submit their resume and sign company policy contract, then admin consider and analyze about their details and after held an interview ,admin add applicant as employee to the system. Finally, admin track employees current address and save the system.
- Employees can manually report their problem to the administration, then admin can analyze and consider their problems.
- Supervises manually record work hour details.


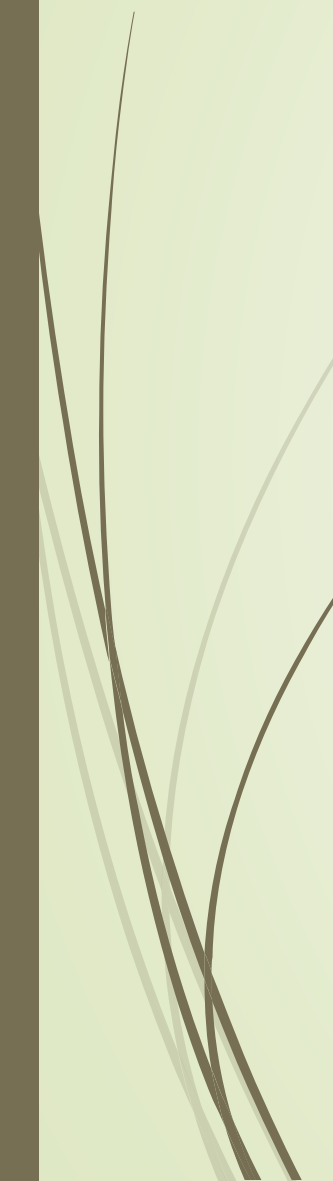


Benefits:

- Easy to handle employees.
- Securing employee information
- Easily analyze data via monthly report.
- Efficient.




03. Stock Management

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- When create admin login page need to sign in and sign out process. because need to maintain admin session correctly with better login experience.
 - Admin have access to CRUD operation for categories. Then admin can create, update, delete categories. Also, it shows list of all categories.
 - When handle stock management, admin have also access to CRUD operations for products. Then, admin have also maintained to those functions they have chance to list those products with include selected categories.
 - During the shopping customer need to cart for added their select item as marked. It is very helpful to listed product and do payments for the products.
 - We maintain GRN (good receive note) for customer product ratings. Then identify good, rated product to customers.



Problems:

- Admin needs to manage login details.
 - Difficult to handle categories and product details. because of same type products.
 - Difficult to manage GRN for all products.
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Solutions:

- Automate to see the summery of the product.
- Well sorted product with better define categories.
- Automatically update GRN with customer experience.


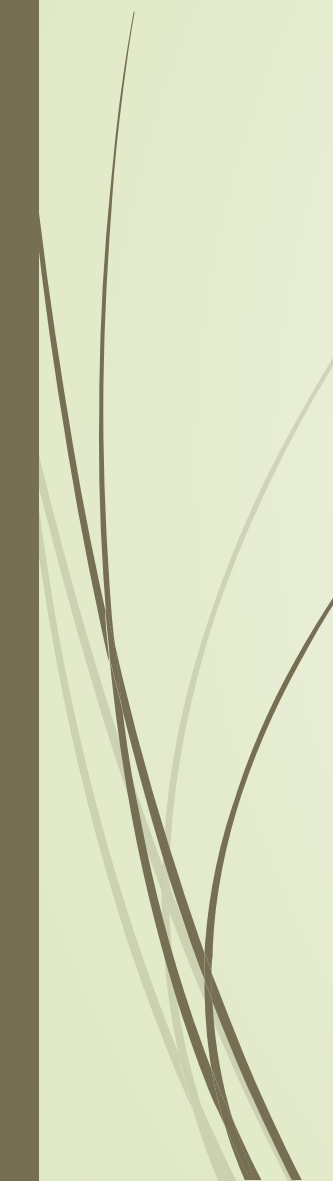


Benefits:

- Easy to handle the system.
- Low time consuming.
- Can manage all the functions by single persons.
- High efficiency.



04. Vehicles and Delivery Management

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- There are several types of vehicles in the hardware to manage accordingly. Vehicles are managed by admin.
 - Admin can add vehicles, delete the defect or unwanted vehicles, and update the details of the vehicles.
 - Admin can search a vehicle and view its details by inserting the vehicle Id
 - Admin can generate reports about the vehicles available vehicles in the system.
 - Navigate the drivers to the delivery location
 - Driver can update the delivery status as delivered or cancelled



Problems:

- Failure to assign the vehicles according to the product type and product quantity
- Could not monitor the delivery process time to time and to know whether the delivery was done on time or not
- There wasn't a way to ensure the product was delivered to the correct location

Solutions:

- Introduce a system which was developed using the GPS technology and attaching GPS trackers to all the vehicles.
- Giving an option to the customers to confirm the order arrival through the system.
- Providing a navigator option for the drivers through the system which navigating the drivers to the delivery location using GPS technology.



Benefits:

- Improving the customer satisfaction by on time and accurate delivery
 - Conserve the time of the both customers and the staff
 - Easily manage the vehicles by using the system
 - Makes the processes easier
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