



ACME

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INTERNSHIP REPORT

“Oracle Forms & Reports”

INTERNSHIP REPORT

ON

“Oracle Forms & Reports”

At



SUBMITTED TO:

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Last but not the least, I would like to convey my gratitude to **Mr. Syed Nazmul Huda**, AGM, IT for helping me in furnishing the report. Moreover, I would also like to express my gratitude to my Acme Laboratories Ltd. fellows, seniors and colleagues who gave me good advice, suggestions, inspiration and support. I must mention the wonderful working environment and group commitment of this organization that has enabled me to deal with a lot of things.

SUMMARY



This report is prepared on the basis of my three-month practical experience at ACME Laboratories LTD. This internship program helped me to learn about the practical scenario of a Corporate Company. The ACME Laboratories Ltd. is a leading company for manufacturing world-class and top-quality pharmaceutical products in Bangladesh. They are currently producing more than 700 products in different dosage forms covering broader therapeutic categories which include anti-infective, cardiovascular, antidiabetics, gastrointestinal, CNS, respiratory disease etc. among many others. The success in local market prompted us to explore the international market and over the years they gained a firm presence in South East Asia, Africa and Central America and continuously discovering new horizons to improve the quality of life for patients, to further the success of their customers and to help meet global challenges. Through the outstanding knowledge, professionalism and commitment of more than 7500 employees, they are consistently building upon their facilities, capabilities and also portfolio to meet the growing health care needs.

The report mentions about the Oracle Forms and Reports that I have learnt at ACME Laboratories LTD and build a small project based on their product.

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1. Introduction



This report is a short description of my four-month internship carried out as compulsory component of the small project that I did during internship which is based on inventory management system. As Acme laboratories LTD. Is a corporate office and they are producing different type of products so I choose medicine among them to build this small project. In this project a customer can order their medicines and an admin can see and manage those orders as well as they can add supplies, stores, whole employees and department's information.

To build this small project I have used **oracle forms and reports builder**. Mainly oracle Forms is a component of Oracle Fusion Middleware (includes Web servers, application servers, content management systems, and developer tools that provide complete support for development, deployment, and management of software applications). Oracle Forms is used to develop and deploy Forms applications. The Forms applications provide a user interface to access Oracle Database in an efficient and tightly-coupled way. The applications can be integrated with Java and web services to take advantage of service oriented architectures (SOA). To implement this project I have used oracle database. Oracle Database is the latest generation of RDBMS. Among the numerous capabilities are unlimited scalability and industry-leading reliability with Oracle Real Application Clusters; high availability technology including advancements in standby database technology.

For reports I have used Oracle reports developer. Reports Developer is a powerful enterprise reporting tool used to build reports that dynamically retrieve, format, and distribute information stored in the database. I have also connected Reports developer with Forms developer.

This internship report contains my activities that have contributed to achieve a number of my stated goals. In the following chapter a feature contains the features that I have implemented in my project. In the description part I have described those features with the project images. Finally, I give a conclusion on the internship experience according to my learning goals.

2. History and Overview of the Company



Since their founding in 1954 by Mr. Hamidur Rahman Sinha, an entrepreneur and philanthropist in this region of then British divided Indian sub-continent, they have been committed to offering solutions to their most pressing health care needs. More than half a century later, they remain true to their founder's vision and values – to produce high quality medicines with integrity, customer focus, pro-activity, team spirit, excellence and desire to win and responding to social and environmental needs. Over the past few decades, this company have seen an amazing growth and success in pharmaceutical sector. With more than 60 years of expertise in medicine and science, their company draws upon a rich legacy of high quality formulations and a robust pipeline of promising generic medicines at affordable price to meet the health care needs.

Since 1954 **ACME** has been stood for quality, business success and responsible entrepreneurship. Their heritage and values are the foundation of their mission to ensure health, vigor and happiness for mankind. This company is an ISO 9001:2015 certified company. “Perpetual Quest for Excellence” is the quality slogan.

3. Features



1. Add/Update /Delete /Search / Data History of Product, Order, Order details, Supply, Store, Customer order status, Employees, Departments information ----- Admin Panel
2. Search, order product and see order status ----- Customer Panel

4. Description



Mainly I have built a small project where customer can order medicines and see their order status. An admin can see the orders as well as they can add products, can handle which supply will deliver which product and also they can handle medicine store information. For the customer and admin panel both have a different home page where they have to sign in first to see the home page. But the customer can only see product without log in. The features description is given below with project images.

3.1. ADMIN PANEL

As I have built two panel one is for the customer and another is for admin. Customer and Admin both have to log in first to enter the home page. If they are new then, they have to sign up first. For customer sign in they have to answer a secret question, this secret question has been given if they forgot their password they can easily get another password by answering that question. Both of the customer and admin can change their password in future. If admin face any software related problem they can easily comment it out.

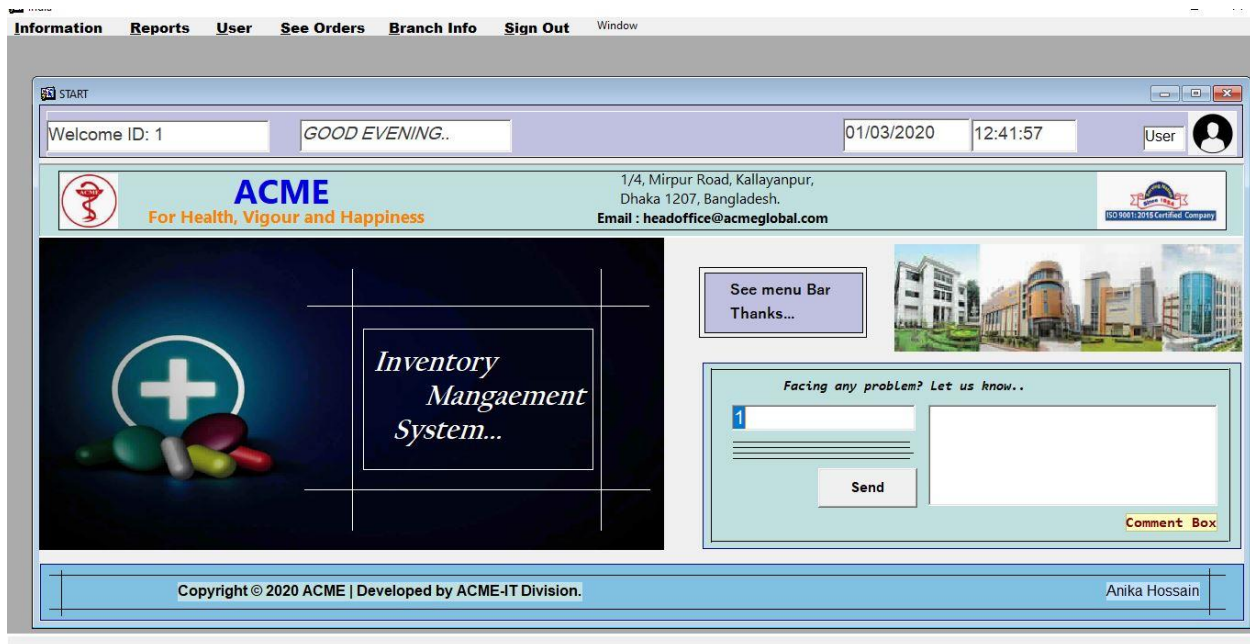


Figure-1: Home page for Admin panel

3.1.1. PRODUCT

Admin panel can add a product with its corresponding image, as I have worked on medicine so admin can add medicine and its detail information. If customer order any product admin can see it in status bar.

Figure-2: Add product

Report:

There is a report based on product details. By selecting specific product category, it will show all the products that are present in that category.

Category						General			
Product Id	Prod Name	Prod Quant	Sino	Mgrd	Expd	Order Id	Price	Quant	Discount
10	XPA-500	65	1	01-MAY-19	01-SEP-21	1	6	45	.1
10	XPA-500	65	1	01-MAY-19	01-SEP-21	1	45	44	.2
10	XPA-500	65	1	01-MAY-19	01-SEP-21	2	56	12	.1
10	XPA-500	65	1	01-MAY-19	01-SEP-21	3	56	5	.2
11	Daomin	34	2	01-MAY-20	05-SEP-22	1	6	45	.1
11	Daomin	34	2	01-MAY-20	05-SEP-22	1	45	44	.2
11	Daomin	34	2	01-MAY-20	05-SEP-22	2	56	12	.1
11	Daomin	34	2	01-MAY-20	05-SEP-22	3	56	5	.2
14	Cipro-A	34	3	01-MAY-19	01-MAY-21	1	6	45	.1
14	Cipro-A	34	3	01-MAY-19	01-MAY-21	1	45	44	.2
14	Cipro-A	34	3	01-MAY-19	01-MAY-21	2	56	12	.1
14	Cipro-A	34	3	01-MAY-19	01-MAY-21	3	56	5	.2
17	Fast XR	34	4	05-AUG-19	05-SEP-21	1	6	45	.1
17	Fast XR	34	4	05-AUG-19	05-SEP-21	1	45	44	.2
17	Fast XR	34	4	05-AUG-19	05-SEP-21	2	56	12	.1
17	Fast XR	34	4	05-AUG-19	05-SEP-21	3	56	5	.2
Total:						652			

Figure-3: Report based on product details

3.1.2. SUPPLY

Admin can also handle supplier information like which supply will deliver which product for a specific address and also admin can change the status bar. If product has been delivered in time then admin can change the status from No to Yes. This status will be also visible for customer status section.

Order Id	Product Id	Store Id
1	1	1
2	2	1
3	1	1
1	1	2
2	2	2

Figure-4: Supplier Information

3.1.3. ORDER

There is a section named order panel. In this part admin can add ordered product and also the quality along with the price.

Figure-5: Order details

Report:

For different orders I have prepared a report. By choosing order id admin can see a report based on order details.

3.1.4. SHIPMENT

By giving order id for different customer order admin can choose supplier for shipment. Admin can add shipment information by clicking add button and by pressing done they can see the history of shipment information, also they can search shipment via order id.

The screenshot displays the 'Order Details' window. At the top, there is a header bar with '< Go Back' on the left, 'Order Details' in the center, and 'Add' on the right. Below the header is a search bar with a 'Search' button. The main area contains a table with the following columns: Order Id, Slno, Product Id, Price, Quant, and Discount. Each row has 'EDIT' and 'Delete' buttons to its left. The table contains four rows of data:

	Order Id	Slno	Product Id	Price	Quant	Discount
EDIT Delete	1	5	1	6	45	.1
EDIT Delete	3	4	1	56	5	.2
EDIT Delete	1	3	1	45	44	.2
EDIT Delete	2	2	2	56	12	.1
EDIT Delete						
EDIT Delete						
EDIT Delete						
EDIT Delete						
EDIT Delete						
EDIT Delete						

At the bottom of the window, there are 'Save' and 'Exit' buttons.

Figure-6: Shipment Details

3.1.5. STORE

Another section named store house. Admin can add and see store house details. Mainly store house contain with products. The supplier can pick those product from the store and deliver it to the customer.

Store Id	Product Id	Address	Quant
4	3	Savar	435
3	9	Sylet	34
2	3	B.baria	34
1	4	savar	89

Buttons: Save, Refresh, Exit

Figure-7: Store Details

3.1.6. CUSTOMER ORDER STATUS

Admin can also modify customer orders. They can change status yes to no as well as they can also give deliver date. This two update will be also visible in customer status section.

Sln	Product Id	Product Name	Status	Useid	Dt	Total	Dis	Pri	Qun
Edit 4	4	Napa Extra	No	2		3434	3300	10	330
Edit 5	4	Napa Extra	No	2		150	150	10	15
Edit 2	3	Adovas	No	2		400	400	40	20
Edit 4	4	Napa Extra	No	2		80	80	10	8
Edit 10	5	Azin	Yes	1	01-01-20	1560	1404	78	20
Edit 9	6	Napadol	No	1	19-06-20	90	81	45	2
Edit 8	5	Azin	Yes	1	01-02-20	468	421	78	6
Edit 6	4	Napa Extra	No	1	09-04-20	30	30	10	3
Edit 7	8	ACE	Yes	1	12-01-20	200	200	40	5
Edit 13	3	Adovas	No	1	05-05-20	40	40	40	1

Buttons: Search, Refresh, Save, Exit

Figure-8: Customer orders status in admin panel

3.1.7. EMPLOYEES AND DEPARTMENTS

Employees section mainly consist with employee's history. Also there admin can see and add employees, managers details. In department section admin can add departments and also employee's information. For employees section there are some conditions for the salary for different post salary and commission will be different. Like if someone chooses 'ST_CLERK' as job id then his salary and commission must be in a given range, so they cannot insert more than that amount for the specific job id.

The screenshot shows the 'Insert Employees' form with the following data entered: Employee Id: 589, Last Name: Mua, Phone Number: 78945981, Job Id: AD_VP, Com Pct: .6, Dept Id: (empty), Rank: Senior, First Name: Adele, Email: AM@acme.com, Hire Date: 01-03-2020, Salary: 34000. An error message box is displayed in the center, stating: 'commission must be .2 for those employees whose salary are less then 38000'. The message box has a red 'X' icon and an 'OK' button. Below the form, there is a yellow highlight that says '1. Press Save to save'.

Figure-8: Show error for inserting salary because salary range has been given, for different post salary range should be different.

The screenshot shows the 'Insert Employees' form with the following data entered: Employee Id: 589, Last Name: Mua, Phone Number: 78945981, Job Id: AD_VP, Com Pct: (empty), Dept Id: (empty), Rank: Senior, First Name: Adele, Email: AM@acme.com, Hire Date: 01-03-2020, Salary: 600, Man Id: (empty). An error message box is displayed in the center, stating: 'Salary range should be more then 30000 but less then 35000'. The message box has a red 'X' icon and an 'OK' button. Below the form, there is a yellow highlight that says '1. Press Save to'.

Figure-9: Show error for inserting commission because commission range has been given, for different salary commission range should be different.

Report:

Admin can see three types of employee and department report. By giving employee id range they can see employee history. Selecting specific department id admin can see how many employees are working in that department and also the average salary for that department. By giving manager id and date range admin can also see for those selecting data.

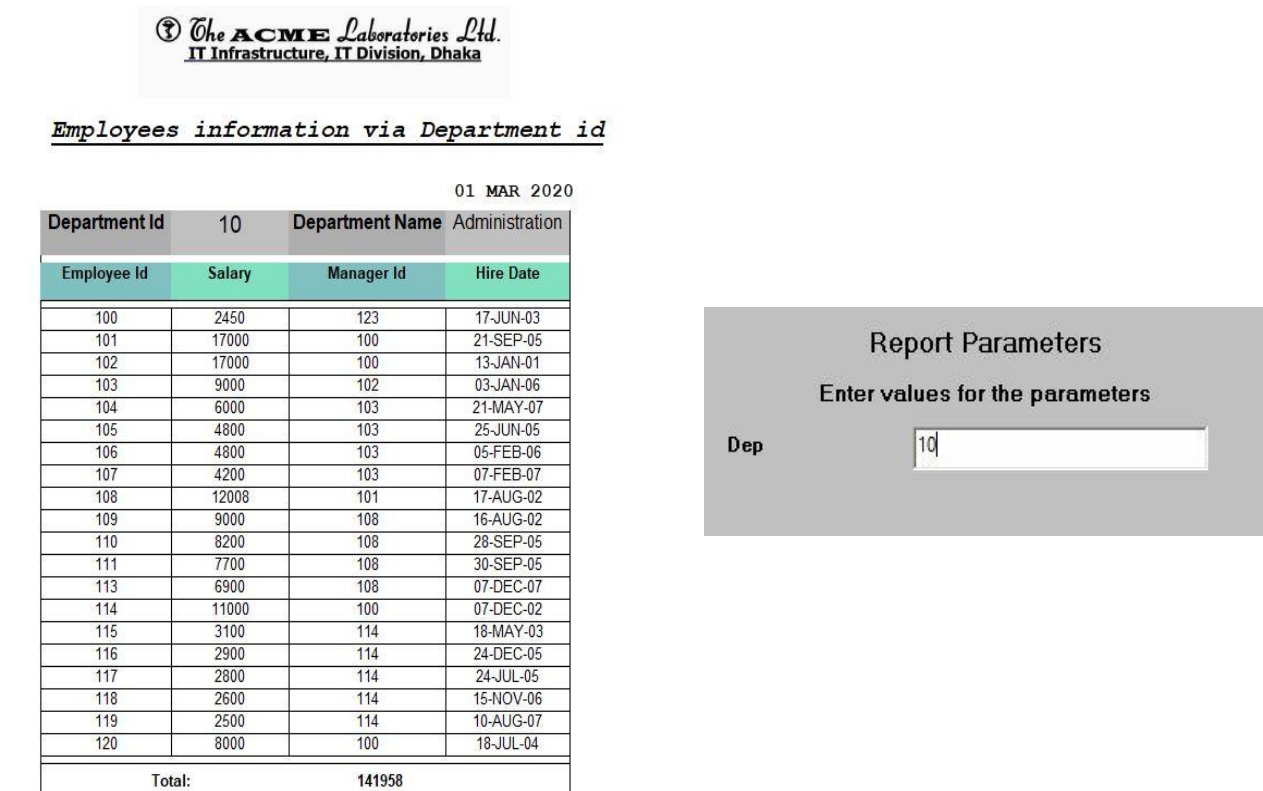


Figure-10: Report based on department and parameter list is based on department id.

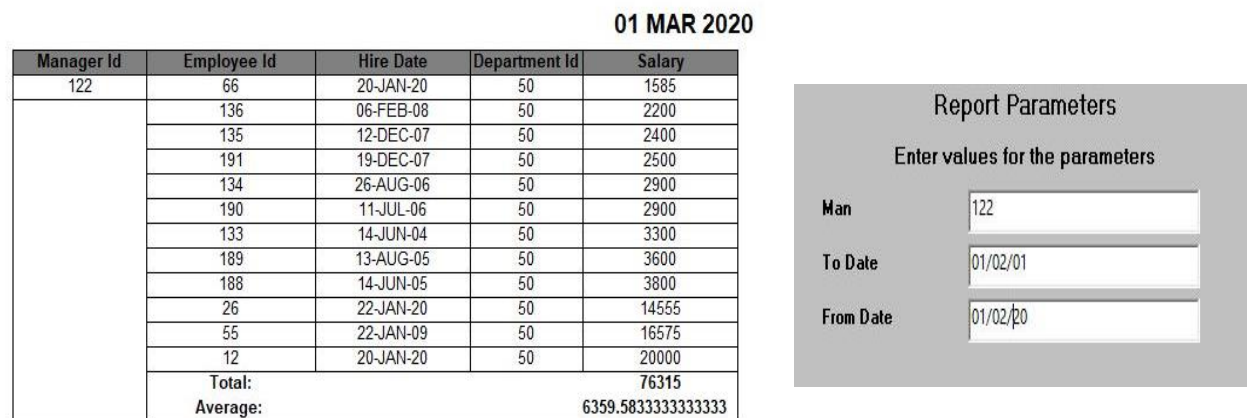


Figure-11: Parameter list is based on manager id and date range (will show all the employees detail whose manager is 122 and hire date between to date and from date)

3.2. CUSTOMER PANEL

If Customer face any problem while ordering product or software related any issues occurs than they can easily give their feedback by commenting in comment box. If someone forgot the log in the password, they can easily log in the home page by answering the secret question and after logged in they can easily change their password.



Figure-12: Home page for Customer panel



Figure-13: Log in page for Customer panel

Figure-14: User create for customer panel

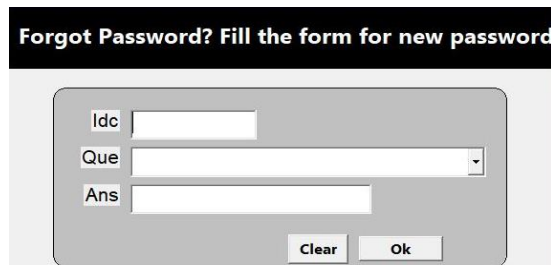


Figure-15: Reset password for customer panel

3.2.1. MEDICINE CORNER

- Search product
- Order Product
- Remove Product from ordered product before confirming order.
- Show notices.
- Show Grand total before and after discount.

<< Go Back **Order Your Product!!**

Search **Order** **Save**

Product Id Price

Product Name Category

Description

Mgrd Expd



<<
>>
Press Order Button To see Your orders..

Discount!! Discount!!

Discount!! Discount!!

Order any product and get 10% discount!!

Please Press SAVE button to confirm your order

Press ENTER to see grand total

1		Total	190	After Discount	171	Enter
Product Id		Product Name	Qun			
4	10	Napa Extra	3	Remove		
3	40	Adovas	4	Remove		
				Remove		
				Remove		
				Remove		
				Remove		
				Remove		
				Remove		
				Remove		
				Remove		
				Remove		

Figure-16: Order product by searching product name

<< Go Back **Order Your Product!!**

Search

Order **Save**

Product Id Price

Product Name Category

Description

Mgrd Expd

<< >> **Press Order Button To see Your orders..**

Discount!! Discount!!
Discount!! Discount!!
Order any product and
get 10% discount!!

****Please Press SAVE button**
to confirm your order**
****Press ENTER to see**
grand total**



Figure-17: Before ordering product order list won't visible

3.2.2. STATUS

- Can see status of customer's product.
- Can search products in status section.

<< Go Back **Your Orders** 1

Product Id	Product Name	Status	Useid	Dt	Total	Dis	Pri	Qun
5	Azin	Y	1	01-FEB-2020	468	421	78	6
3	Adovas	N	1	05-MAY-2020	40	40	40	1
5	Azin	Y	1	01-JAN-2020	1560	1404	78	20
4	Napa Extra	N	1	09-APR-2020	30	30	10	3
8	ACE	Y	1	12-JAN-2020	200	200	40	5
4	Napa Extra	Y	1	16-JAN-2020	60	60	10	6
6	Napadol	N	1	19-JUN-2020	90	81	45	2

Search

Report

Exit

Figure-18: Customer can see order status

5. Conclusion



In a nutshell, this internship has been an excellent and rewarding experience. I can conclude that there have been a lot I've learnt from my work at ACME Laboratories LTD. Needless to say, the technical aspects of the work I've done are not flawless and could be improved provided enough time. Not only did I gain practical skills, but I also had the opportunity to meet many fantastic people. The atmosphere at the ACME office was always welcoming which made me feel right at home. Additionally, I felt like I was able to contribute to the company by assisting and working on projects throughout the summer. For example, I made some forms in Oracle for their project. Mainly two main things that I've learned the importance of the time-management skills and self-motivation.

Overall, my internship at ACME has been a success. I was able to gain practical skills, work in a fantastic environment, and make connections that will last a lifetime. I could not be more thankful.

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