

ITERATION 02

Dairy Farm Management

Client Name:

Dr. Taimoor Khan

Submitted by:

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Muhammad Hamza Qureshi
Mehboob Ali

(Use Cases)

Admin Account:

The CEO/Admin of the Dairy Farm will be provided with admin account.

Admin has access to all the data of employees and the management system.

Admin can view and edit the data of the employees.

Create Account:

Only the CEO/Admin can create the accounts of managers, employees, accountants and workers.

The Admin will add the data of the users.

The users can view their data and salaries etc, on their account.

Account Login:

The account has its username and password to verify whether employee's data is available or not.

The username can only contain letters or numbers.

The password must contain special characters.

Check if the username and password is available in the database.

In case of invalid password for the username, the recovery is through phone number.

Account Requirements:

To create a new account of accountant, employee or worker, the Name, Father Name,

CNIC, Gender, Phone, Address are required to be mentioned by the user.

The info for the username is stored in the database.

For login, the user is asked to enter the username and password is required as input.

Cow Expenses:

The buying of calves is managed by the Manager of the Cow's department.

The manager views the cow's expenses and the data of the cows, including their registration number, age, health status and profitability etc.

The accountants to calculate the expenses for the cows, including their food and vaccinations.

The selling of aged cows or cows having bad health situation, when they cannot produce more milk and need to be sold for slaughtering. The profit after selling is also calculated by the accountant.

Sales:

The milk is supplied to the customers via home delivery system, to shops in raw form and in packets to the market.

The manager of the sales department has the data of the shops and customers.

The accountants to calculate the profit/loss.

Salaries:

The manager of the salaries department has the data of managers, accountants and employees.

Communication Log:

Date: 24th October, 2019

Meeting 01:

Members attended:

All members attended.

Agenda discussed:

Login system requirement implementation.

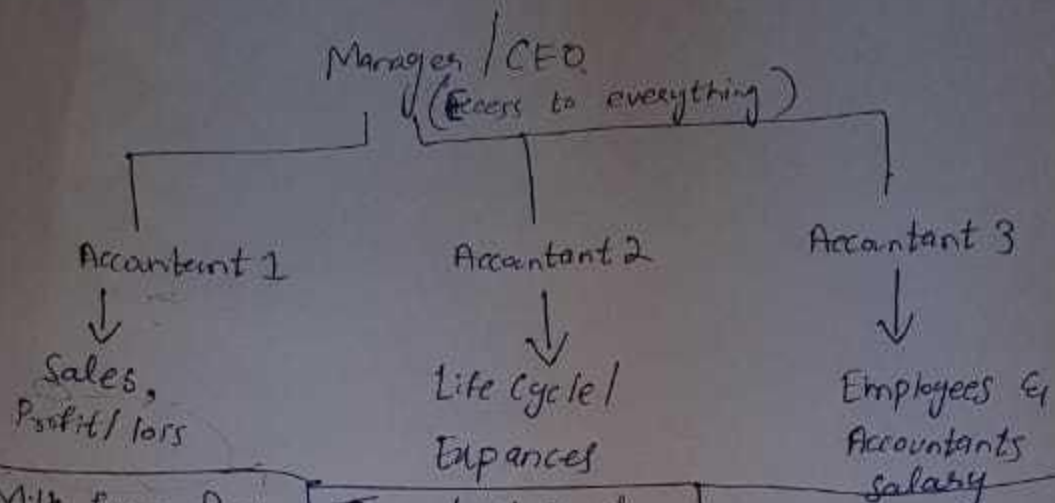
Agreed points:

CEO can create account for different manager to different module.

Each manager can create account for different worker in this particular module.

Every employee has own unique **username** and **password** to login the system.





NA Milk from Pool
to packaging.
Packaging & sales
involve selling
to homes through
milkmen, to shops
and packets
to different
markets/companies

The buying of
calves. The expenses,
including the food,
vaccinations etc.
This department
also includes
the selling of
cows at their
older age. This
accountant has
the data of
all cows.

The profile of all
workers/employees and
their salaries is
included in this part.
The expenses of salary
is then forwarded to
Accountant 1 in order
to calculate the
profit/loss

Meeting 02:**Date: 28th October, 2019****Members attended:**

All members attended.

Agenda discussed:

Finalizing the Login system implementation and discussion on cow's data requirement.

Agreed points:

Use cases and use case diagrams activity diagram and domain model for the different modules.

**Communication on Slack:**

OOAD-CS-309

Faryal

Jump to...

Threads

Channels

analysis

artifact

dairy-farm

general

implementation

meeting-minutes

random

requirement

Add a channel

Direct messages

Slackbot

Faryal (you)

ALI HUSNAIN

Bashir Ahmad

Hamza Qureshi

Mehmood

Invite people

#requirement

Today

Mehmood 08:41

1. Add Section Manager:
Add Manager (edited)

2. Employee Management:
Employees Users

3. City/Sector Management:
View All Cities/Sectors

4. Customer List Management:
View Customer List
Add new Customer

5. Daily Received Milk:
View Daily Received Milk Report
Add Daily Received Milk

6. Pay Customer Bill:
Pay Bills
Add new Customer

7. Home Delivery:
Home Delivery

Mehmood 08:55

8. View All Payments:
All Customer Payments

9. Print Bills:
Bill

10. Expense Management:
View Ledger

OOAD-CS-309

Faryal

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Mehmood

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#requirement

Today

10. Expense Management:
View Ledger
Add Daily Expenses
View Expenses Details

11. Medicine Stock & Treatment:
Treatment
Treatment Report
Medicine
Medicine Report
Medicine Purchased
Weight Calculation
Vaccination (edited)

12. View Daily Milk Sheet:
Daily Milk Sheet

13. View All Milk Management:
View All Milk Report

14. Daily Used Milk:
Used milk

Mehmood 09:05

15. Manage All Cows' Child:
Manage Cow Child

16. Manage All Cows':
Manage Cow

17. Add New Animal:
Add Animal (Cow)

OOAD-CS-309

Faryal

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ALI HUSNAIN

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Hamza Qureshi

Mehmood

Invite people

#requirement

Today

Manage Cow Child

16. Manage All Cows':
Manage Cow

17. Add New Animal:
Add Animal (Cow)

18. Monthly Report Management:
View Monthly Report
Print Monthly Report

Faryal 09:11

Joined #requirement.

Mehmood 09:36

19. Feeding mammal
Diet formulation and evaluation
Nutrition and Feeding (edited)

Faryal 13:46

Requirements for 1st iteration

i) The CEO/Admin of the Dairy Farm will be provided with admin account that has access to all the data of employees and the management system.

ii) Only the CEO/Admin can create further accounts of managers, employees, accountants and workers.

iii) The account has its username and password to verify whether employee's data is available or not.

iv) For new account creation of accountant, employee or worker, the Name, Father Name, CNIC, Gender, Phone, Address, password as an input.

v) The manager of cow's expenses has the data of the cows, including their registration number, age etc. the selling of cows and the accountants to calculate the expenses for the cows including their food and vaccinations.

vi) The manager of the sales department has the data of the shops and customers and the accountants to calculate the profit/loss.

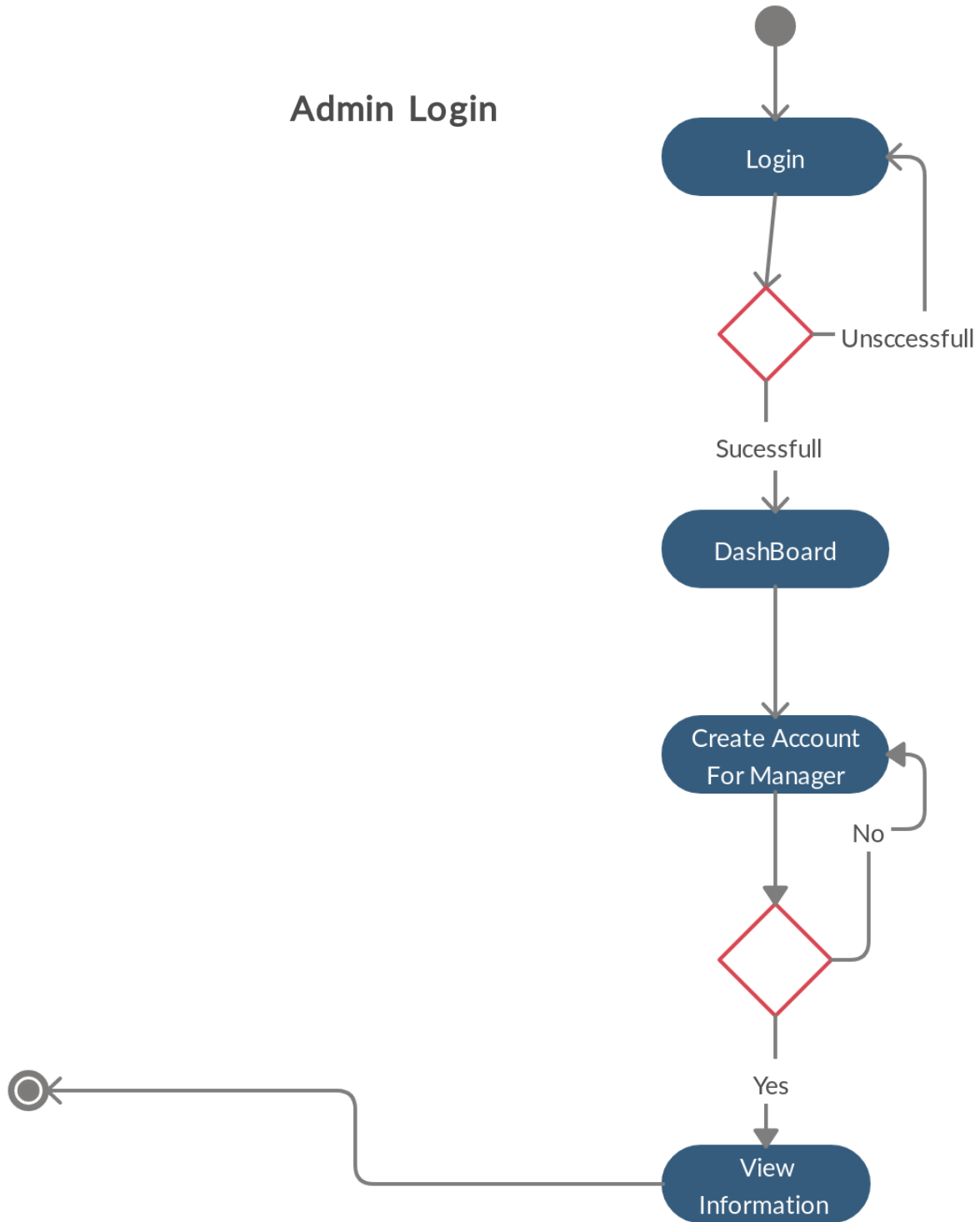
vii) The manager of the salaries department has the data of managers, accountants and employees.

ALI HUSNAIN 14:28

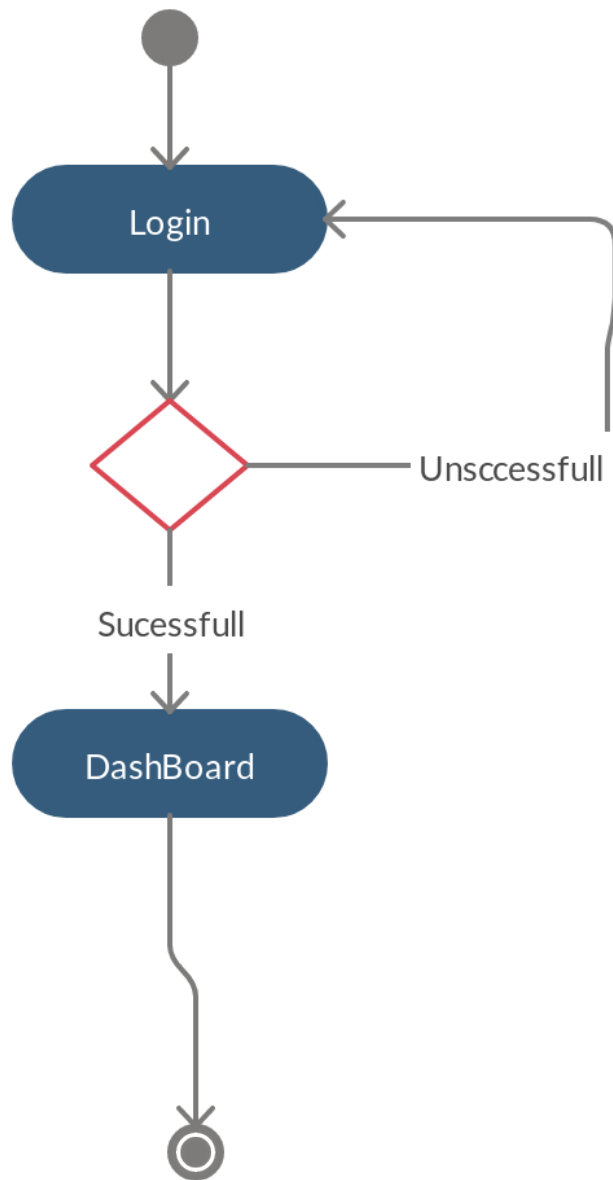
Joined #requirement.

Activity Diagrams:

Admin Login



Admin Login



Use Case Diagrams:

