Frequently Asked Questions (FAQ)

Dairy Smart: Dairy Smart is an application which is used for maintaining a dairy farm. This application represents how to maintain a dairy farm in a structured and efficient way. "Dairy Smart" is the combination of Java and MySQL. The application contains: login for the owner and login for the employees, daily attendance sheet of individual workers and the owner, registration of every cow and how much milk each cow gives on a daily basis, how much food each cow consumes every day, maintenance of monthly expenses on the dairy farm, the birth rate of calves, a simple calculator for calculation purpose, workers salary maintenance sheet, owners monthly income rate, loss and profit sheet, daily income of the milk sheet, cows health care and so on.

Functionalities:

1. Welcome page: It is the welcome page/front page of the Dairy Smart application. From this page, farmer/worker is able to move to the login and registration page.
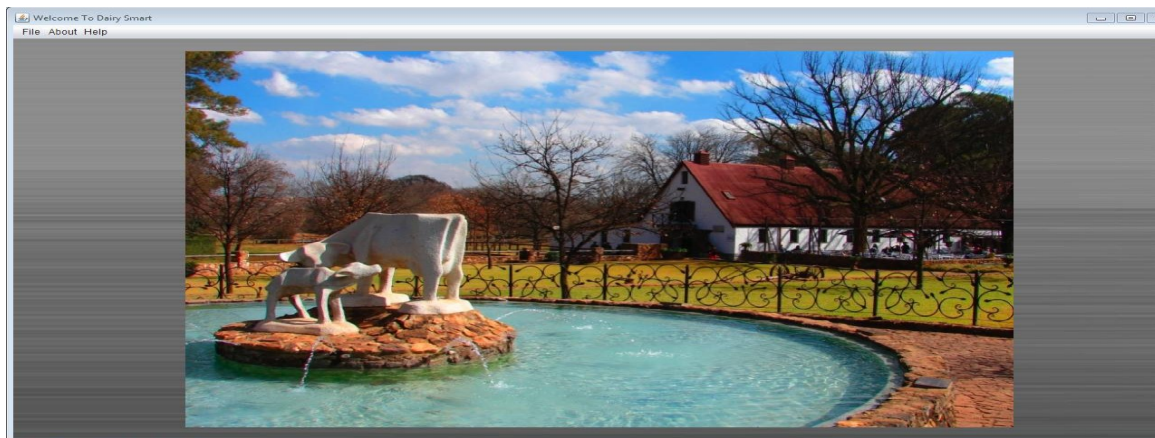

Figure 4.2: Represents the front page of "Dairy Smart" application.

2. Registration for farmer and worker:

Farmer and worker need to register first if they want to use the application. During the registration time, farmer and worker will input a special number to register as a farmer and as a worker. The special number will be given during the purchase time.

3. Login for the farmer and worker:

This is login page where farmer and worker have to login to enter the application. It is role based login system. When farmer and worker will login, they will direct move to their page according to their role.

4. Framers daily attendance sheet:

After login, Farmer will directly come to the farmer's attendance sheet. This page having attendance functions so that, farmer can register and at the same he is able to look at this daily attendance list. From this page, farmer can move any pages to observe the farms current situation.

Farmer Attendence Sheet

OwnerId	Date	Name	StartTime	EndTime	WorkingHour
007	2013/4/29	zack	9:00 Am	5: 00 PM	9

Owner ID:

Date:

Owner Name:

Start Time:

Submit

Owner ID:

End Time:

Hour:

Submit

Figure 4.3: Represents the farmer attendance sheet of "Dairy Smart" application.

5. Workers daily attendance sheet

From the login page, worker will directly come to the worker's attendance sheet. This page having attendance functions so that worker can register and at the same he is able to look at his daily attendance list. From this page, worker can move some pages which are dedicated for them.

6. A simple calculator

This is a very simple calculator where farmer and worker both can perform their calculation

Figure 4.4: Shows a simple calculator of "Dairy Smart" application

7. Observation of workers attendance sheet

Farmer will visit this page to observe the daily attendance sheet of worker. Here, farmer will observe the workers working hour and then he will put the working hour's status, is it ok or not.

8. Workers salary sheet

It is the salary sheet page where farmer will save workers monthly salary. From this page, farmer will be able to look at every workers monthly salary amount.

9. Monthly maintenance and profit sheet with pie chart

Farmer is able to observe the whole months maintenance cost and profit from this page. Here, farmer also able to compare maintenance cost and profit through the pie chart.

10. Monthly and daily selling milk sheet

Farmer will access this page to observe the daily selling milk sheet as well as monthly selling milk sheet, From here, farmer will be able to understand that, how much money he is getting every day and every month.

11. Monthly expense sheet

Here, farmer will save the monthly expense of his/her daily farm. End of the year, farmer will be able to find out how was the expense of his/her farm last year.

12. Daily earns and maintenance comparison sheet with pie chart

Farmer is able to save the daily maintenance cost and profit in this page. Here, farmer also able to compare daily maintenance cost and profit through the pie chart.
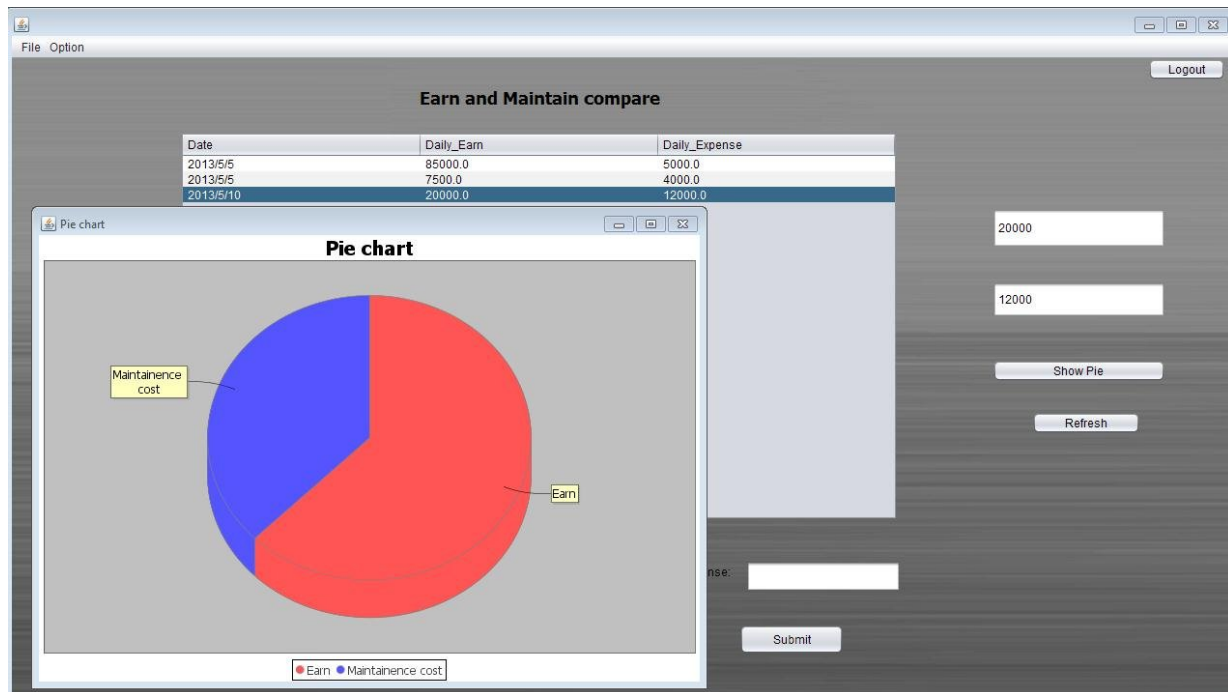

Figure 4.5: Represents the daily earn and maintenance cost with pie chart.

13. Daily selling milk sheet

Worker will access this page to save the daily selling milk amount and price. From here, farmer will be able to understand that, how much money he is getting every day by selling the milk.

14. Cow's milk giving amount sheet

Worker is responsible for this page. Here, worker will save every cow's milk giving amount everyday so that worker will be able to understand that, every cow is proving good amount of milk or not.

15. Cows registration sheet

This page is responsible for making registration of cows. Here, worker will save every cow's registration number and colors so that farmer will be able to find out, how much cows he/she has.

16. Cows health care sheet

Here, worker will save every cow's current health situation so that farmer will be able to understand every cow's health is ok or not.

17. Cows food taking sheet

Every day, worker will save every cows food taking amount so that farmer will be able to know that, how much food does every cow is taking every day and how much does is cost.

18. Calf registration sheet:

Every calf will be registered here by the worker. Here, worker will save every calf's registration number and colors so that farmer will be able to find out, how much calf he/she has.

19. Calf's death and birth rate sheet with chart

This page is responsible for saving the death rate and birth rate of calves of a dairy farm. By accessing this page, farmer and worker will be known that how is their calf's birth and death rate in their farm.

Figure 4.6: Represents the calf's birth and death rate cost with bar chart.