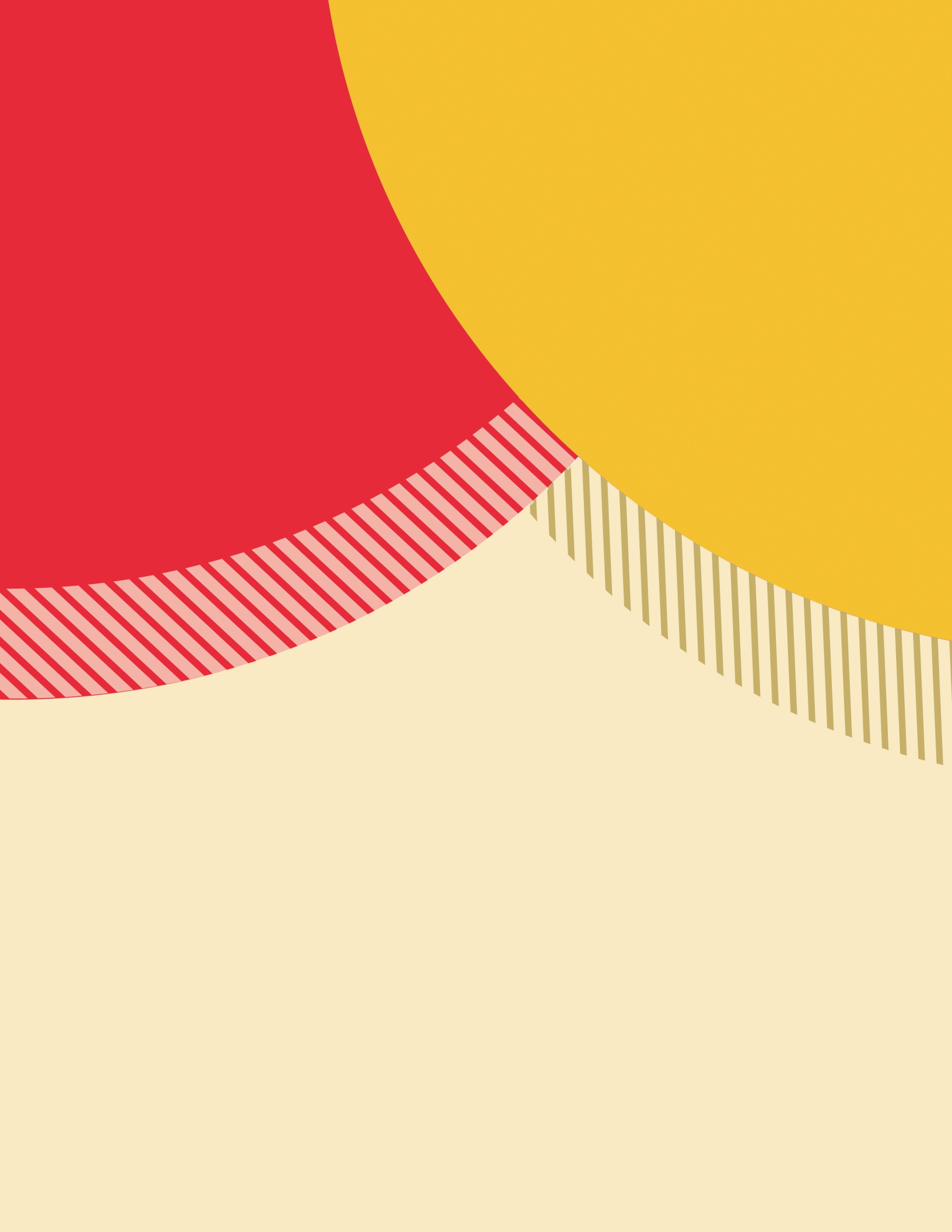
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Report

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Team:

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Milk Dairy

Management System

2017-18

Managemen

**Synopsis**

**Project: Milk Dairy Management System**

**Introduction:**

This project will make all processes and transaction of Milk Dairy available online and save time by doing all needed calculation on milk data. It will help people to easily store their milk data and analyze it. This System will contain different Roles\* of users so that they can be restricted to access particular contents of data.

\*(See last page for more details on Roles of user)

**Objective:**

Milk Dairy Management (MDM) System includes open source software and SMS/Messaging. MDM will not support only any single dairy, it will work with many dairy and individual seller at single time. MDM will connect dairy with its branches. It will help in data handling in milk dairy and at home. It will provide different role to see and access data differently at different time and place. This system will have an admin panel so that admin can be able to control on different role, manage users and change settings when login as an admin. This project is to help a large community of people to record their milk data and give them ease to track record, make payment etc.

**Technology Used:**

* C++
* QT ( provides GUI using C++ for software)
* SQL using MYSQL ( for database system)
* HTML, CSS ( for software development)

**Module Introduction:**

Project is divided into 3 modules for ease

1. **Database Management System**

* Enter Data of each dairy wisely into database
* Save information of the providers, customers and admin
* Save information of the dairy employees and transaction (milk data and payment)

1. **Software Development**

* Provides front end for the all users (admin, provider and customer) available in many local languages for PC
* Daily milk data entry
* Make transaction of payment or milk data and updating or recording information or data
* Sending and receiving notification to/from provider and customer
* Generate bills and make advance payment (if needed by any)

1. **SMS/Messaging**

* People who not have smart phone can get their bill, daily receipts and notification as message on their phone
* User ID will also made for those user for further use in future
* This user will be allowed to send free SMS to dairy for requesting any change in their milk data or personal information

**Team Details:**

*Total team strength:* 3

*Total number of modules:* 3

The team would be divided to work on each module. Each of the team members will play separate roles during the development of their modules. They would acts as leads or team members for the different modules. Once they code their modules they will be responsible to integrate their module with other modules developed parallel by the other team members. They should have to run testing/checking phase at last to make sure that module-integration is working properly. After the integration part is over the whole team is responsible to deploy the project on QT and Server. At each step of deployment a testing/checking phase will be undertaken to make sure that the functionality is working properly.

**Target Audience:**

This project would be useful for milk dairy and person who sell milk to Milk Dairy or to another person and for person who buy milk from Milk Dairy or from another person. It will also helps person who doesn’t have smart phone by sending bills or messages on his/her mobile in his /her own language. Very large population of India is residing in village so this system will target from a businessman to a layman person residing in the corner of any village in India. Online data record and billing system will help people to see their bills and data from anywhere.

**Market Potential and expected popularity:**

This project will help in digitalization of India by targeting from rural area to urban area. As the availability of software and application and messages in the all possible local languages help people to use this system easily. Its flexibility of handling its user and transaction of Milk Dairy in different way will maximize its efficiency. It will provide all data of any single dairy together. This will also helps government to understand where the production of milk is more.

**Current status of Project:**

Selecting teams and assigning module to team member. We will working on survey, and it will be conveyed soon.

**\*Roles of user**

**1. Admin Role**

* This is user who is Milk Dairy owner or any local milk seller
* Manage provider and customer
* Do payment of provider and take payment from customer
* Approve user registration for customer and provider for his/her dairy.
* Needs approval of user to change his or her milk data after it entered first time.
* Manage all user profile
* Password management and Branch management (if any)
* Fixing the price of the milk (depends on the dairy to dairy what is the price of the milk – independent of MDM System)

**2. Provider Role**

* Any user giving milk to the admin
* See his/her own data of milk and personal details and manage his/her profile, password
* Send request to the admin for payment, data update/change
* Send report to authority for any unauthenticated activity happens to his/her data/information
* Give approval of changing his/her milk data or personal information
* Receive payment from the admin (if in cash needs provider authentication to generate bill and in direct transfer machine will automatic generate bill if transaction is completed)
* Can’t see data of the other seller or customer

**3. Customer Role**

* Any user buying milk from the admin
* See his/her own data of milk and personal details and manage his/her profile, password
* Send request to the admin for data update/change.
* Send report to authority for any unauthenticated activity happens to his/her data/information
* Give approval of changing his/her milk data or personal information
* Make payment to the admin (if in cash needs provider authentication to generate bill and in direct transfer machine will automatic generate bill if transaction is completed)
* Can’t see data of the other seller or customer

**Terms and Condition**

1. Team Member will follow all the rules of Project Management and get his/her job done in time.
2. Team Member can’t have official rights of the project, so he/she will not suppose to sell any idea or any part of the project
3. Team Member can mention this project in his/her resume and he/she will be given a report of this project to show it in his/her resume.
4. Team Members are not officially paid for this project and he/she can’t request of any amount from Project Manager for this project.
5. If project is sold officially then Project Manager will decide what amount will be given to team members (includes 0.0 Rs also). And members can also be paid different amount.
6. If team member is not coordinate well, then he/she will be get out of this project by project manager
7. Team Member can’t be supposed to pressurize any team member for kind of job. Team Member can come with any idea or design but the final decision will be of Project Manager.

**Agreement**

I agrees to **‘Terms and Condition’** of the Project. I will work on this project for free. I am doing this project to learn and to get attach this project in my resume. I will never demand to be paid for this project and never objects if this project get sold or launched officially in future. I will contribute as a learner only. I will keep the information regarding this project safe & secure.

Team Member Name and Sign Project Manager

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(Rahul Dangi)