MILK SOUQ

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Overview

Introduction

- An web and mobile e-commerce application for online shopping, especially milk and other food products.
- Developed under a strong client base in Dubai and Abudhabi. is currently running
- More customisation is being designed under this project.

Existing System

- Browse Through Our Range Of Products. Select the Ones as per You Need
- Each customer have a user account on this system
- It allow to set the requirements for the customer and the products will shown according to this needs
- Also can search and choose the products

Existing System..

- It is just like a shopping in the supermarkets.No discounts or other facilities are there
- There is no way to check whether a particular product is available for delivery in a particular area.
- Need to fill address and payment information every time when there is a purchase.

Proposed System

The new system is nothing but the already existing system with some new features.

- in addition to on-time purchases it allow us to previously book purchases
- Customer can set the requirements according to which the products will shown to them
- It will minimize the overhead of filling the form every time when there is a purchase.
- It helps the people find most suitable products as per their need for which some additional search techniques are there.

Modules

- ***Admin***
  - ***S***EARCH BY NAME,DATE,LAST MODIFIED

    Admin can search the products based on their name,date in which they supplied and last modified date
  - ***S***TOCK MANAGEMENT

    Ordering, storing, tracking, and controlling milk products.
  - ***A***DD DISCOUNTS

    Add Discounts in festival Seasons
  - ***A***DD DELIVERY BOY

    for the timely delivery

Modules

- FIND POTENTIAL CUSTOMERS
  find potential customer in a month by using machine learning algorithm.the factors consider are
  - No of purchases
  - No of items purchased
  - No of quantity of each item

Modules..

User

- MONTHLY SUBSCRIPTION

  Instead of pay at each purchase user will get subscription on monthly basis for the products, Some discounts will there the festival seasons a

- LOCATION BASED SEARCHES

  User can search the products they need on location basis,it helps us to find whether a product is available on a particular area

- SUGGEST PRODUCTS BASED ON PREVIOUS SEARCH

  Products are suggests to the customer based on their past search history

- PARTICIPATION IN AUCTIONS

Modules..

- ***DeliveryBoy***
  - NOTIFICATION FOR PRODUCT DELIVERY

    The delivery boy will get notification for product delivery through mail which will assign automatically
  - Mark for every successful product delivery.

Modules..

- ***Farmer***
  - Allows farmers to directly market their products to consumers and retailers without middleman
  - It allows every farmers to have store on this website in which they can place their products for auction
  - Consumer can directly from the farmers with complete traceability of products.

Tables

1 .Login

Field	Type	Constraint
ID	Integer	Primary Key
Username	Character	
Password	Character	
User type	Integer	0-Admin 1-Customer 2-Delivery Boy
User-ID	Integer	

Tables

2. Brand

Field	Type	Constraint
ID	Integer	Primary Key
Name	Character	
Email	Email	
Phone	Integer	Length=10

Tables

3. Item

Field	Type	Constraint
ID	Integer	Primary Key
Photo	Image	
Type	Character	
Bid	Integer	Foreign Key from table ***Brand***
Price	Float	
Quantity	Integer	

Tables

4. Daily Item

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Photo	Image	
Bid	Integer	Foreign Key from table ***Brand***
Price	Float	
Required	Integer	

Tables

5. Daily Required

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Did	Integer	Foreign Key from table ***Daily Item***
got	Integer	
Date	Date	

Tables

6. Customer

Field	Type	Constraint
ID	Integer	Primary Key
Fname	Character	
Mname	Character	NULL
Lname	Character	
Email	Email	
Phone	Integer	Length=10

Tables

7. Delivery Boy

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Fname	Character	
Mname	Character	
Lname	Character	
Email	Email	
Phone	Integer	Length=10

Tables

8. Subscription

Field	**Type**	**Constraint**
ID	Integer	Primary Key
cid	Integer	Foreign Key from table ***Customer***
qty	Integer	
amt	Float	
did	Integer	Foreign Key from table ***Daily Item***
Paid	Boolean	
sdate	Date	
edate	Date	

Tables

9. Address

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Street	Character	
City	Character	
District	Character	
Pin	Integer	Length=6
Sub_id	Integer	Foreign Key from table ***Subscription***

Tables

10. Purchase

Field	**Type**	**Constraint**
ID	Integer	Primary Key
amt	Float	
cid	Character	Foreign Key from table ***Customer***
paid	Boolean	
date	Date	Length=6
status	Integer	0-in cart 1-booked 2-Delivered
did	Integer	Foreign Key from table ***Delivery boy***
ad_id	Integer	Foreign Key from table ***Address***

Tables

11. Shopping Cart

Field	**Type**	**Constraint**
ID	Integer	Primary Key
pid	Integer	Foreign Key from table ***Purchase***
itid	Character	Foreign Key from table ***Item***
quantity	Integer	

Tables

12. Discount

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Name	Character	
Min_amt	Float	
Sdate	Date	
Edate	Date	

Tables

13. Store

Field	**Type**	**Constraint**
ID	Integer	Primary Key
Name	Character	
Email	Email	
Phone	Integer	Length=10

Tables

14. Store_Items

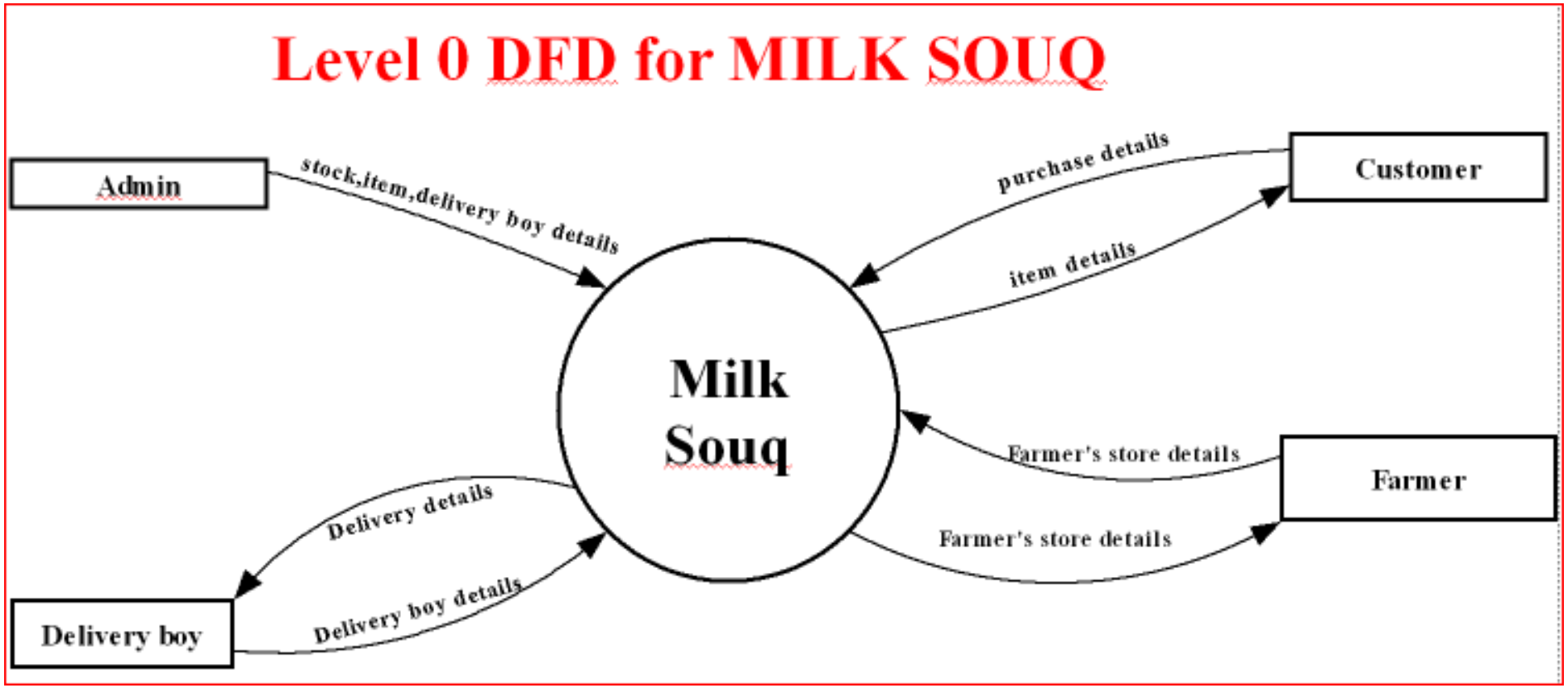
Field	Type	Constraint
ID	Integer	Primary Key
Photo	Image	
Name	Character	
Base Price	Float	
Bid_Date	Date	
Bid_Start_Time	Date	
Bid_End_Time	Date	
stid	Integer	Foreign Key from table ***Store***
Cid	Integer	Foreign Key from table ***Customer***

Tables

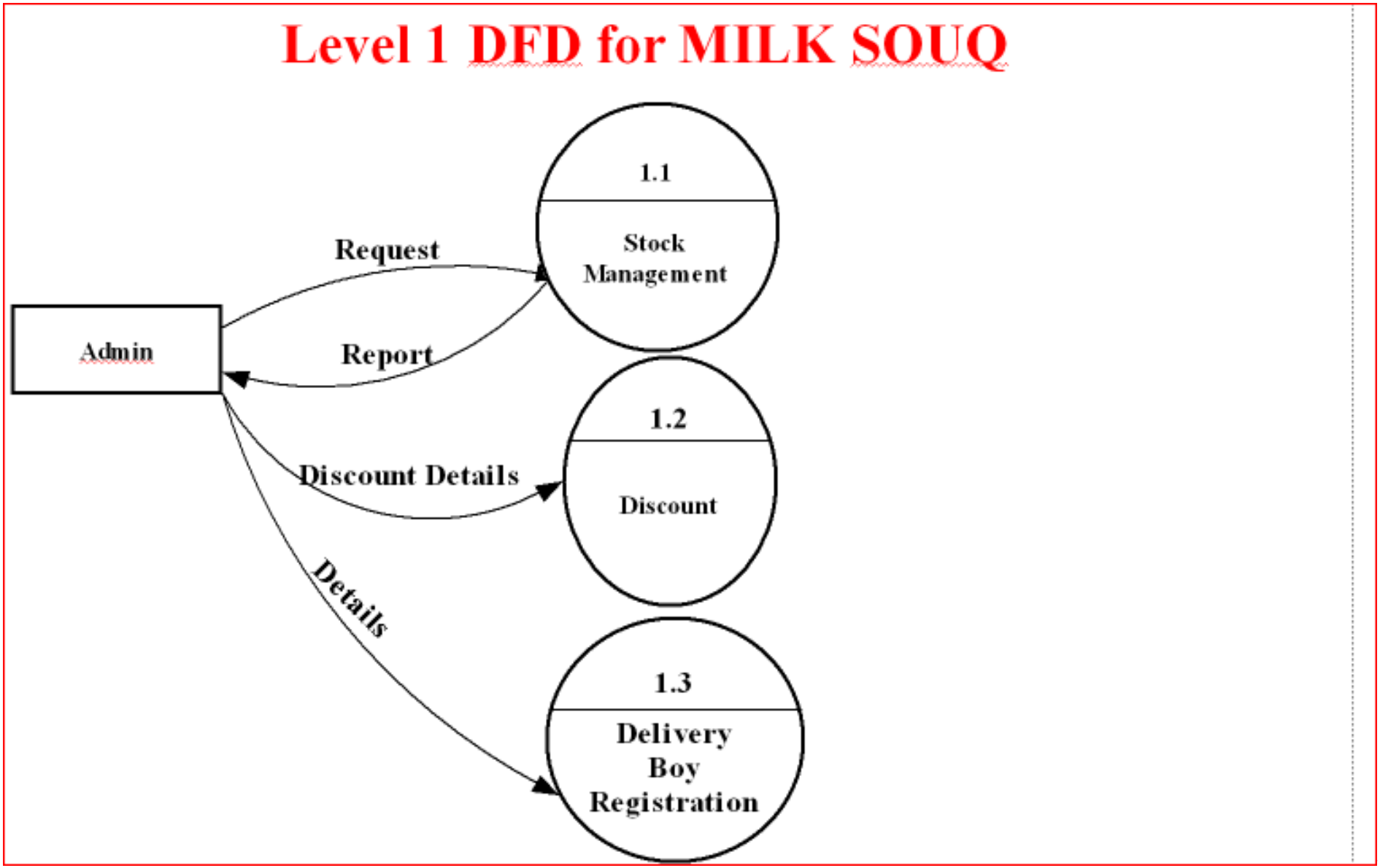
15. Bid

Field	**Type**	**Constraint**
ID	Integer	Primary Key
stid	Integer	Foreign Key from table ***Store_Items***
Cid	Integer	Foreign Key from table ***Customer***
Amt	Float	

Data Flow DiagramData Flow Diagram



Data Flow Diagram



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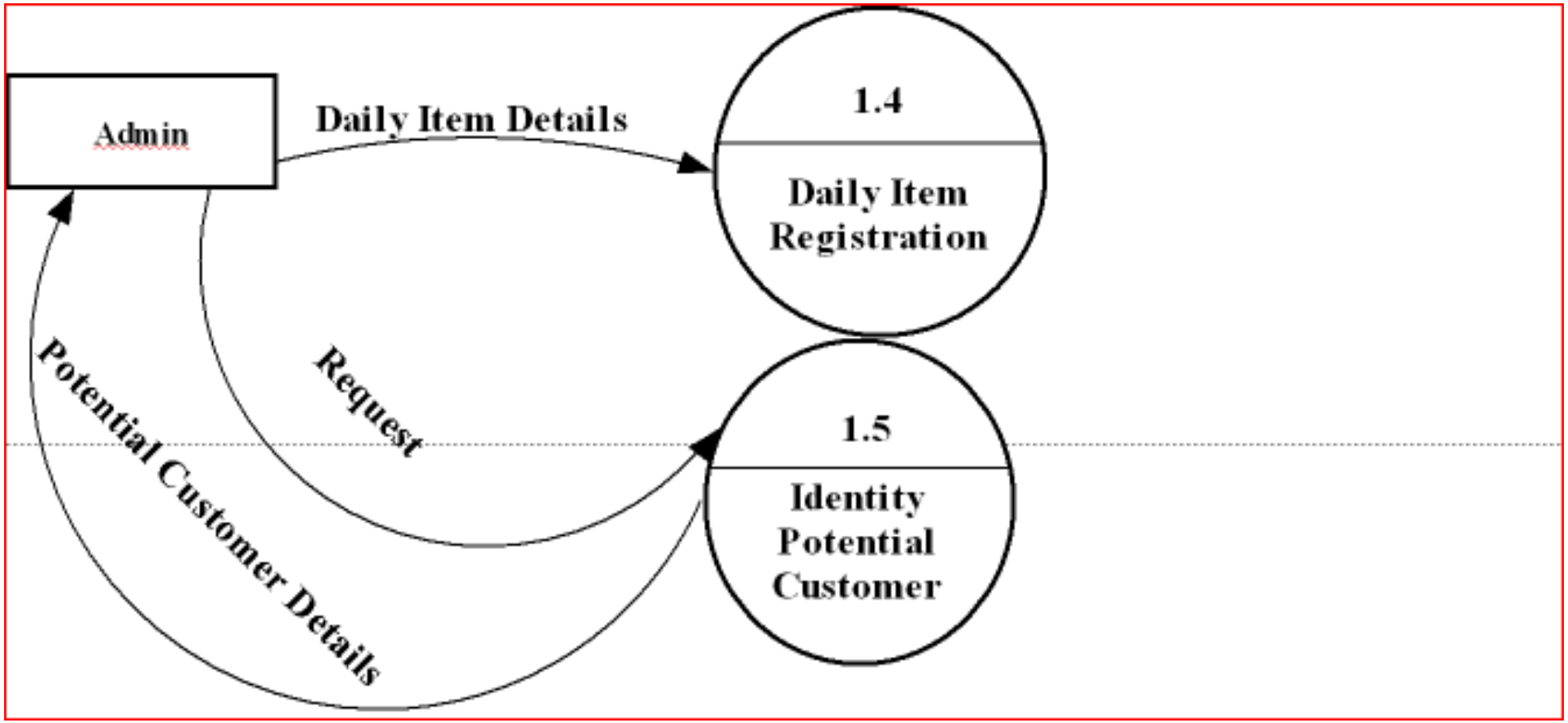
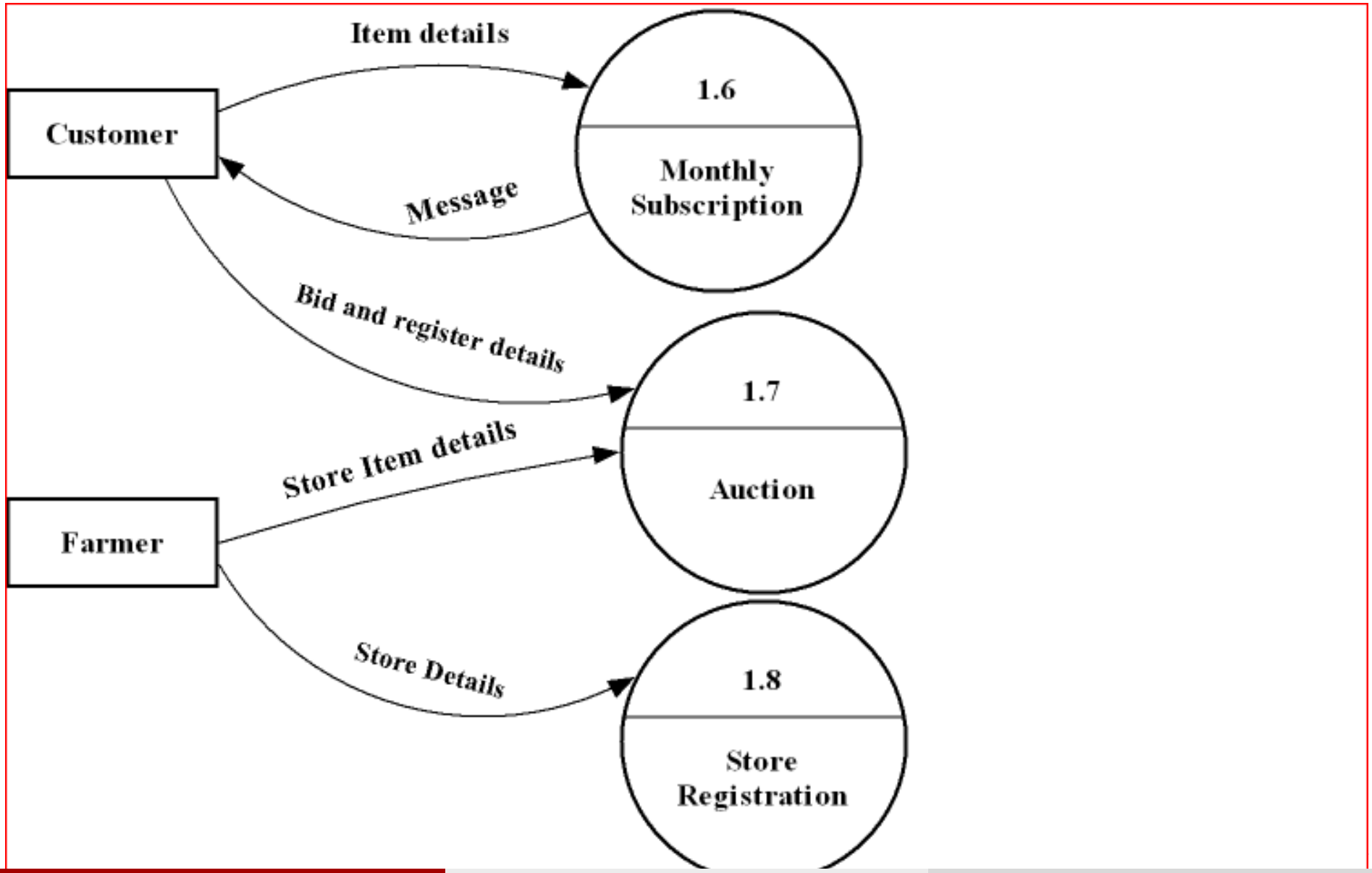


Data Flow Diagram



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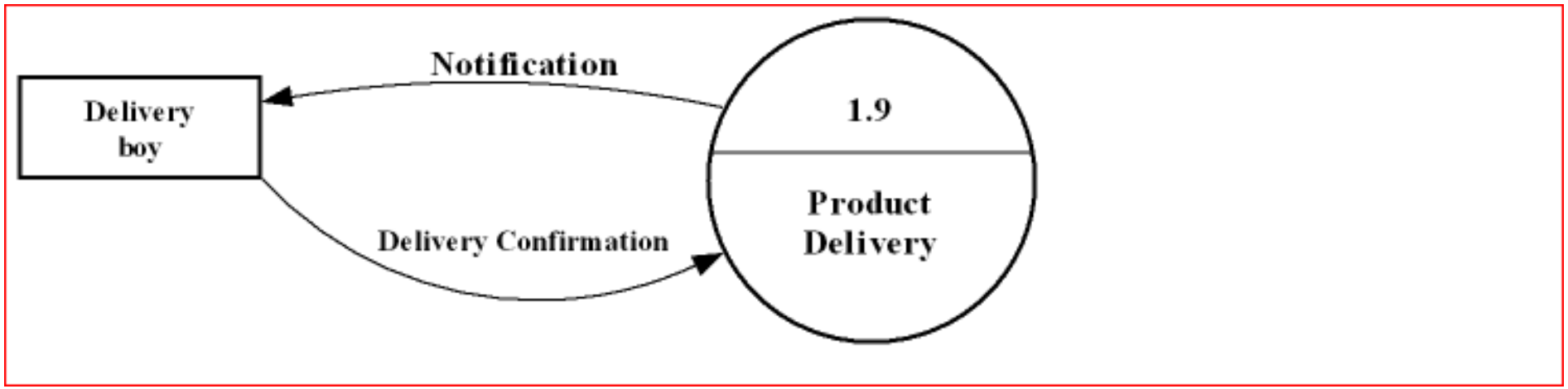

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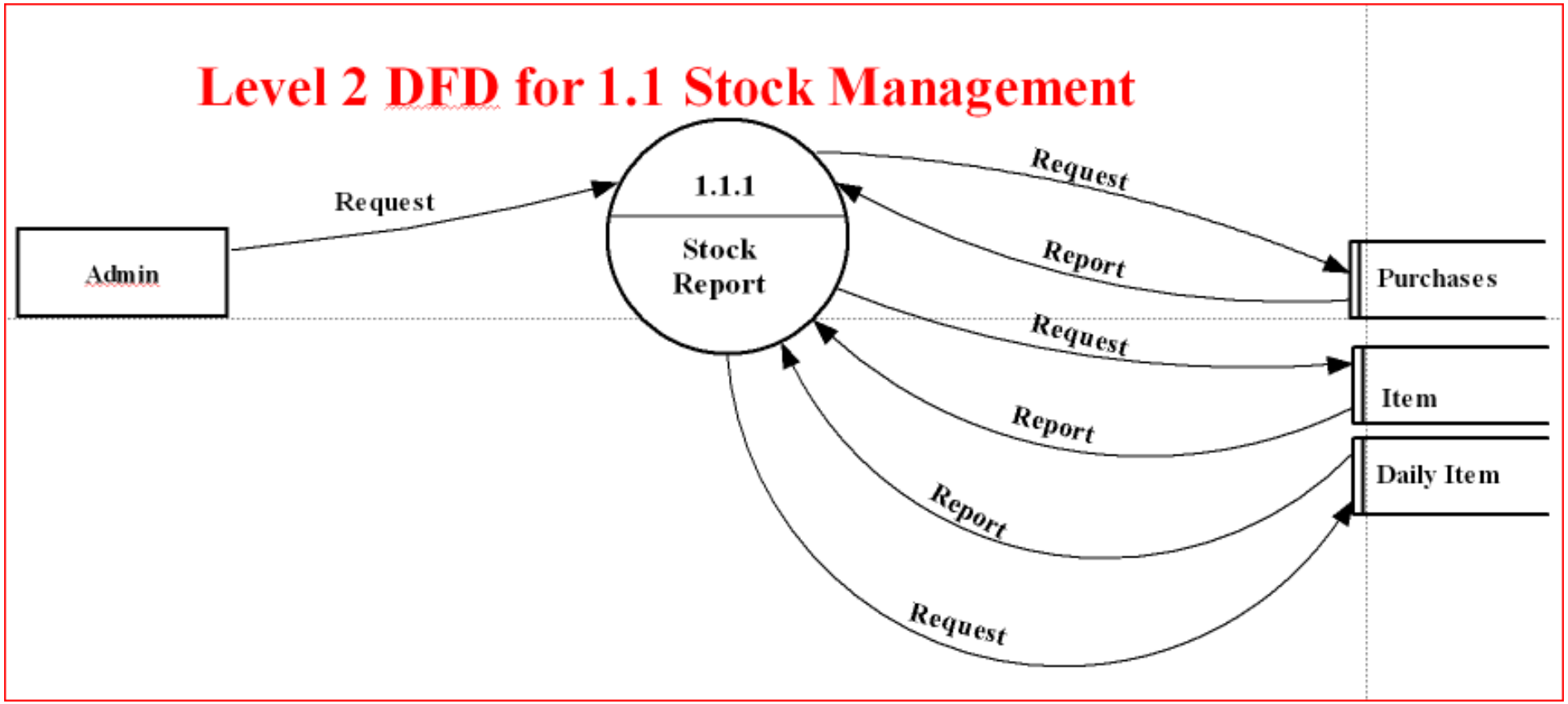

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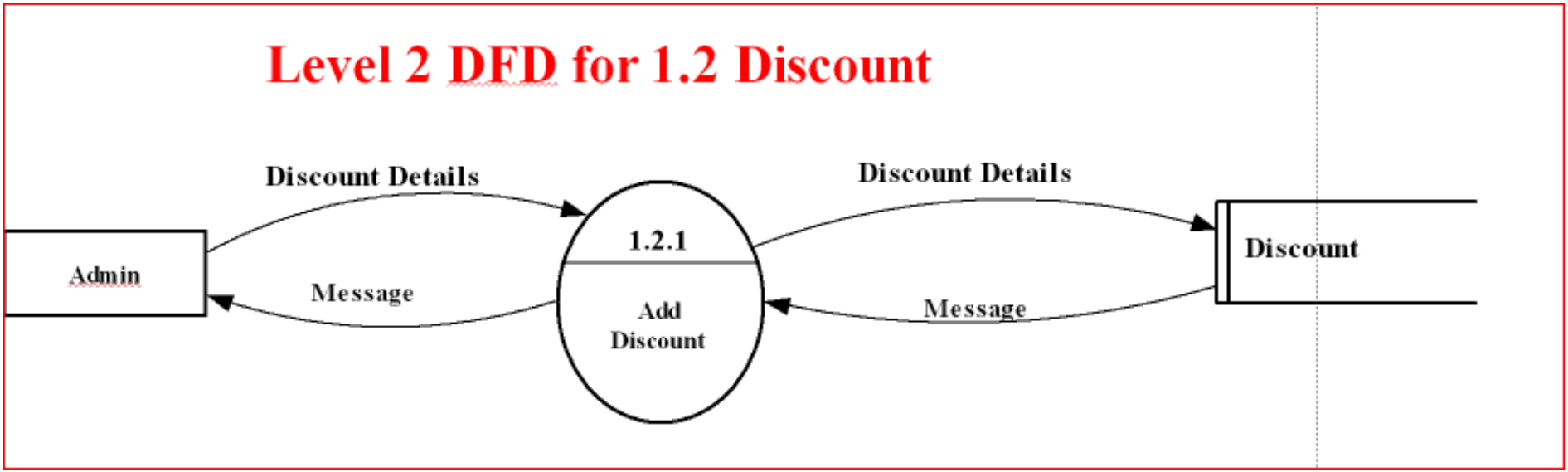

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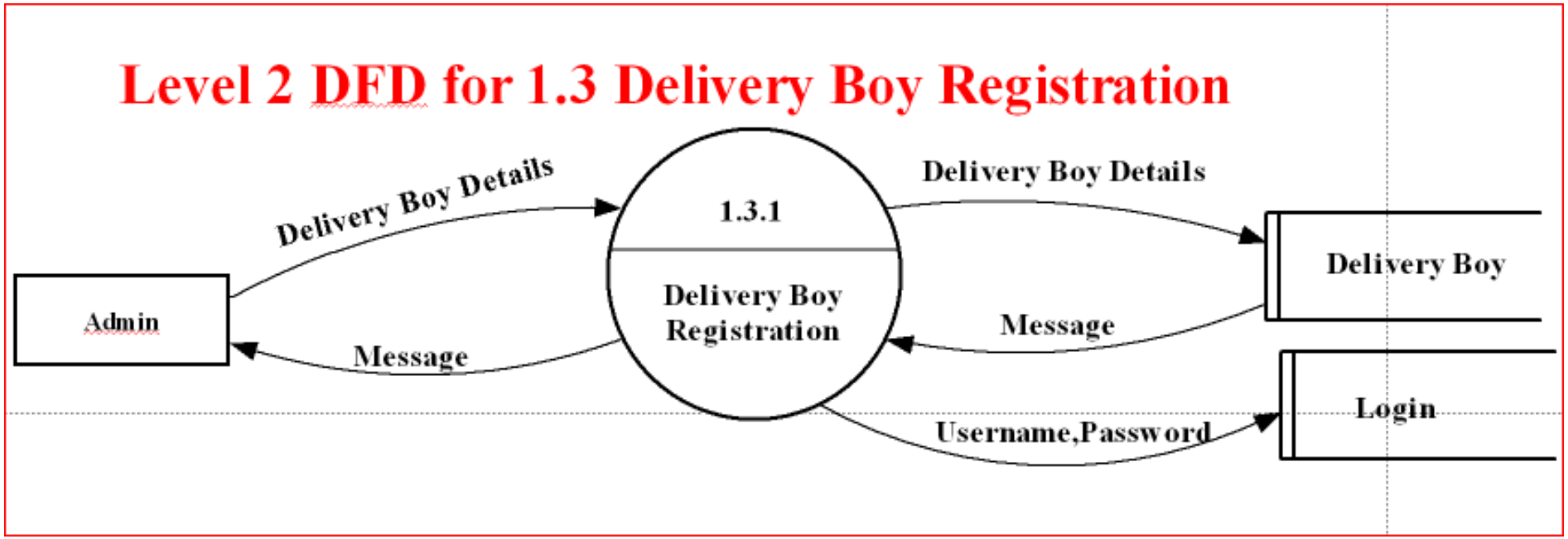

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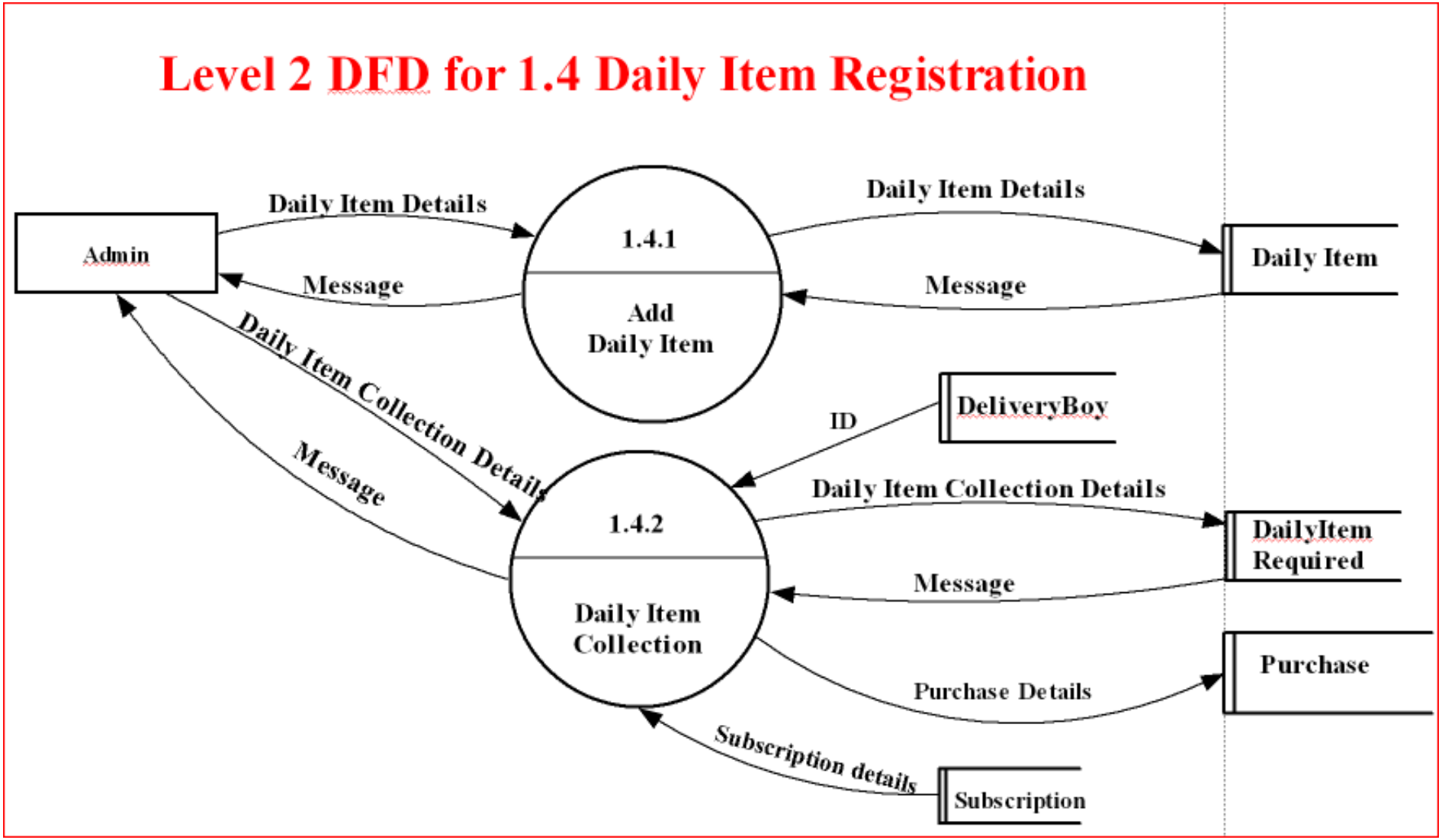

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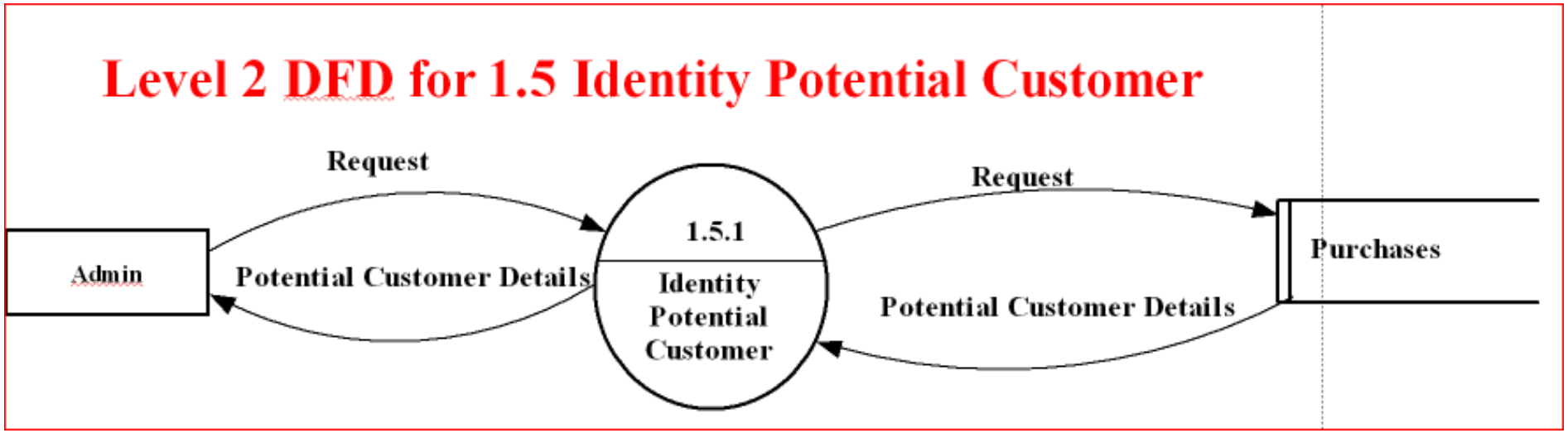

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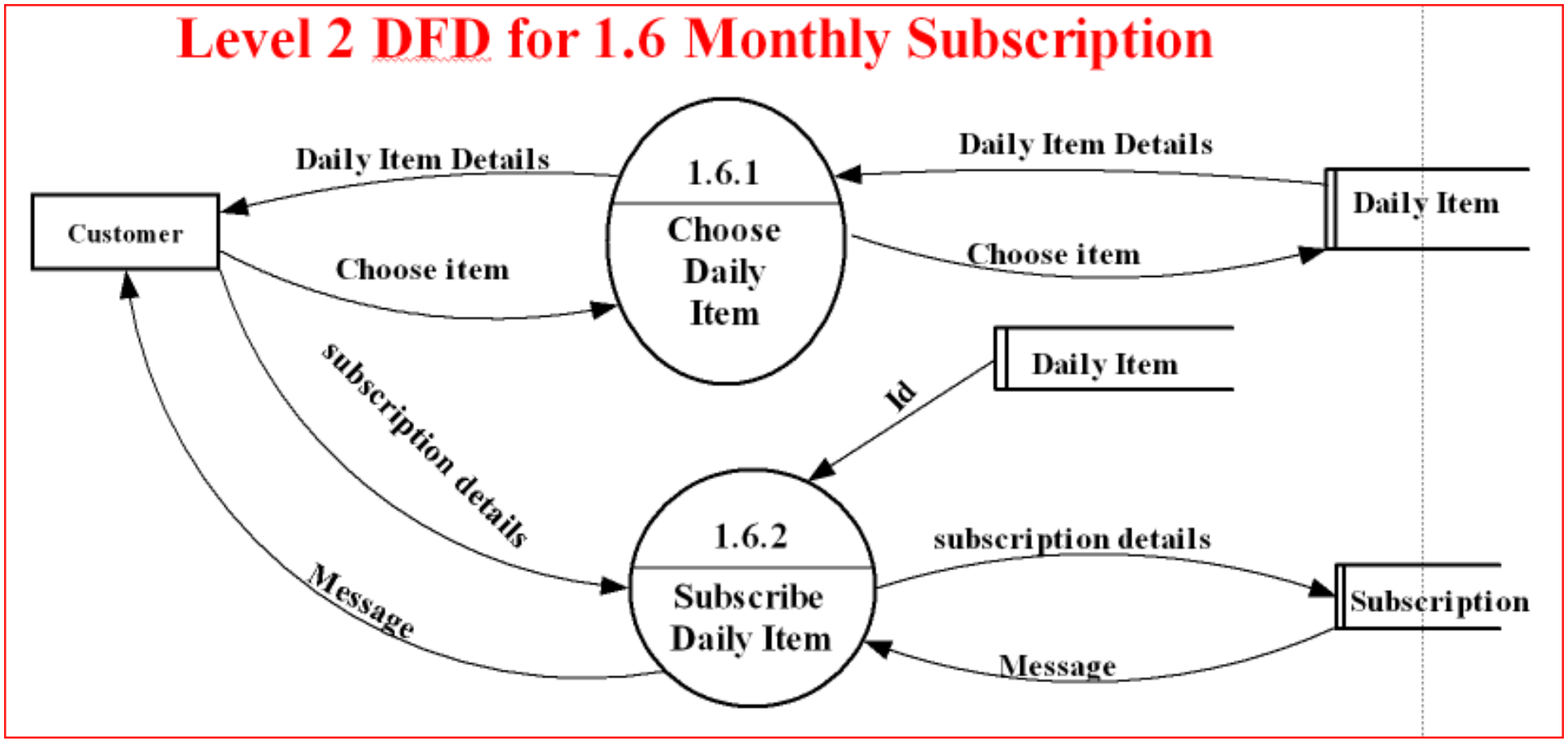

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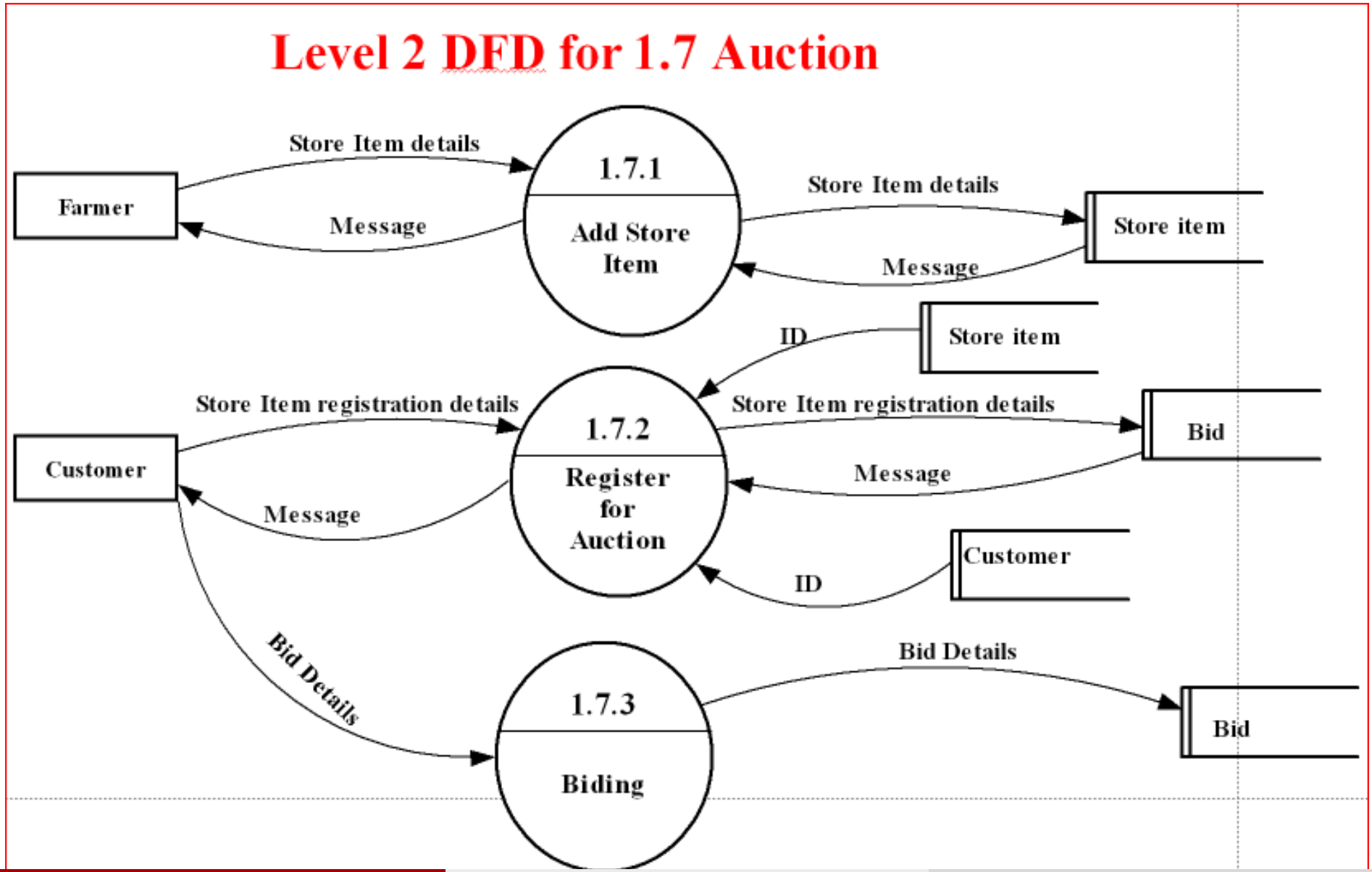

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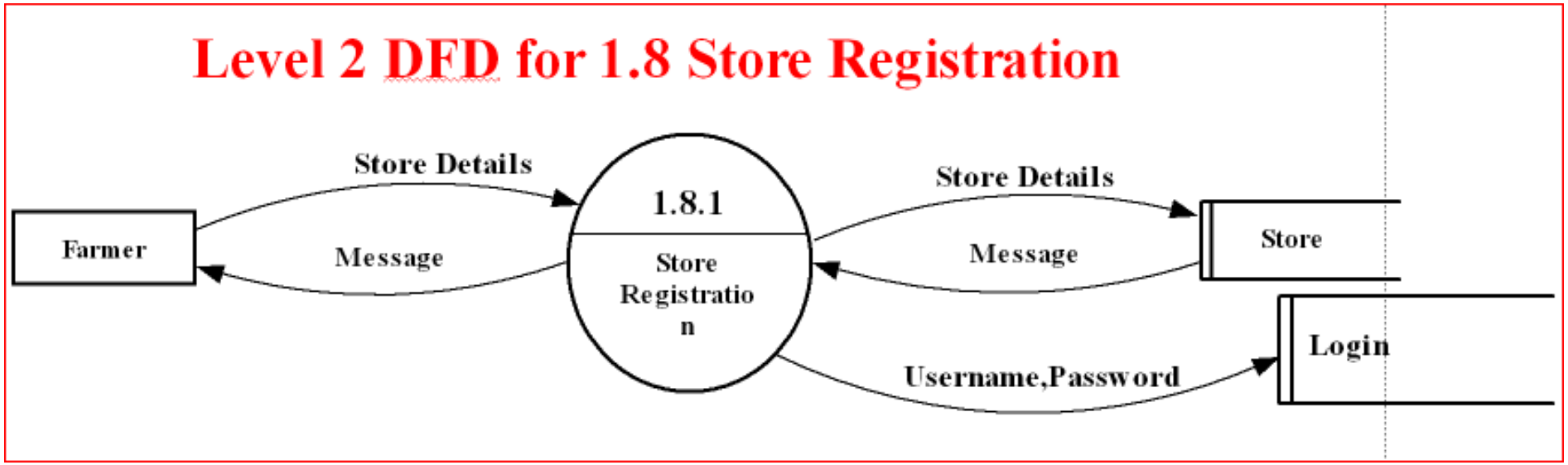

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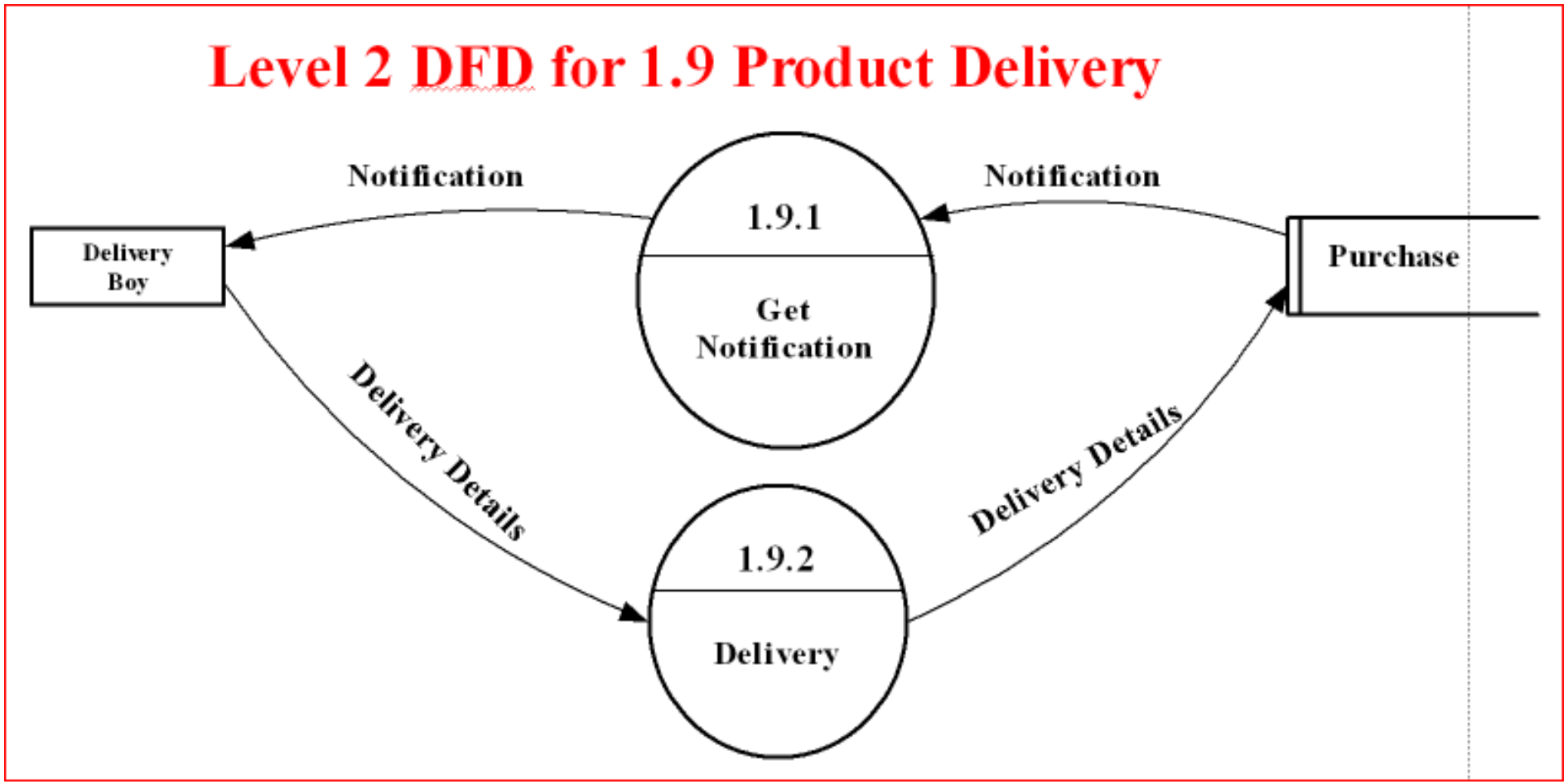
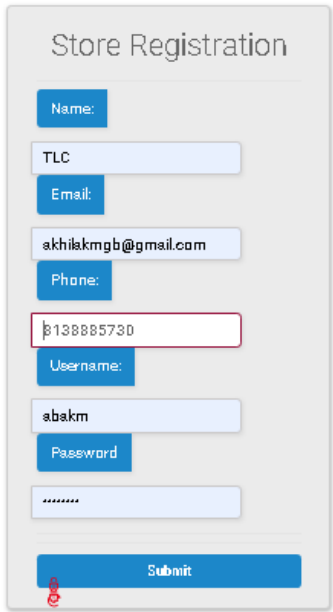


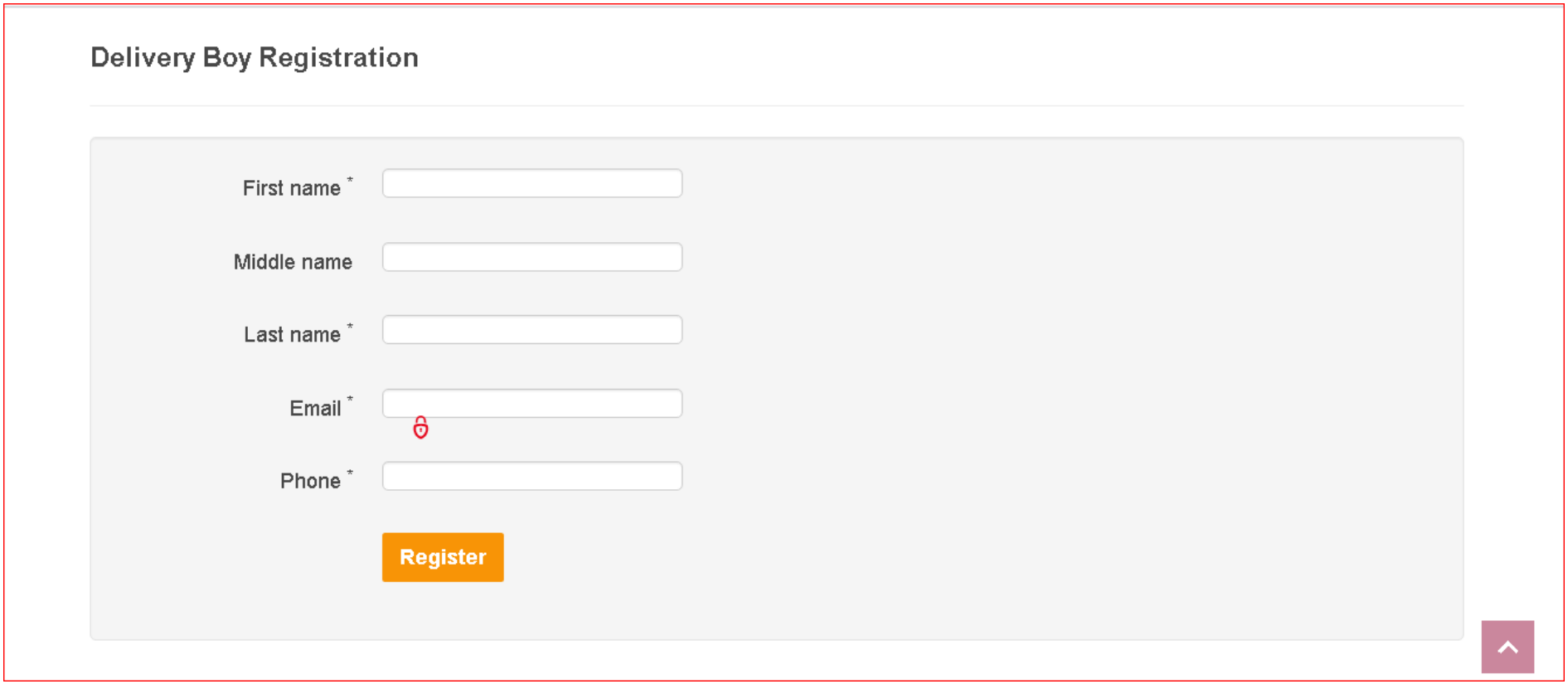
Screenshots

*S*tore Registration



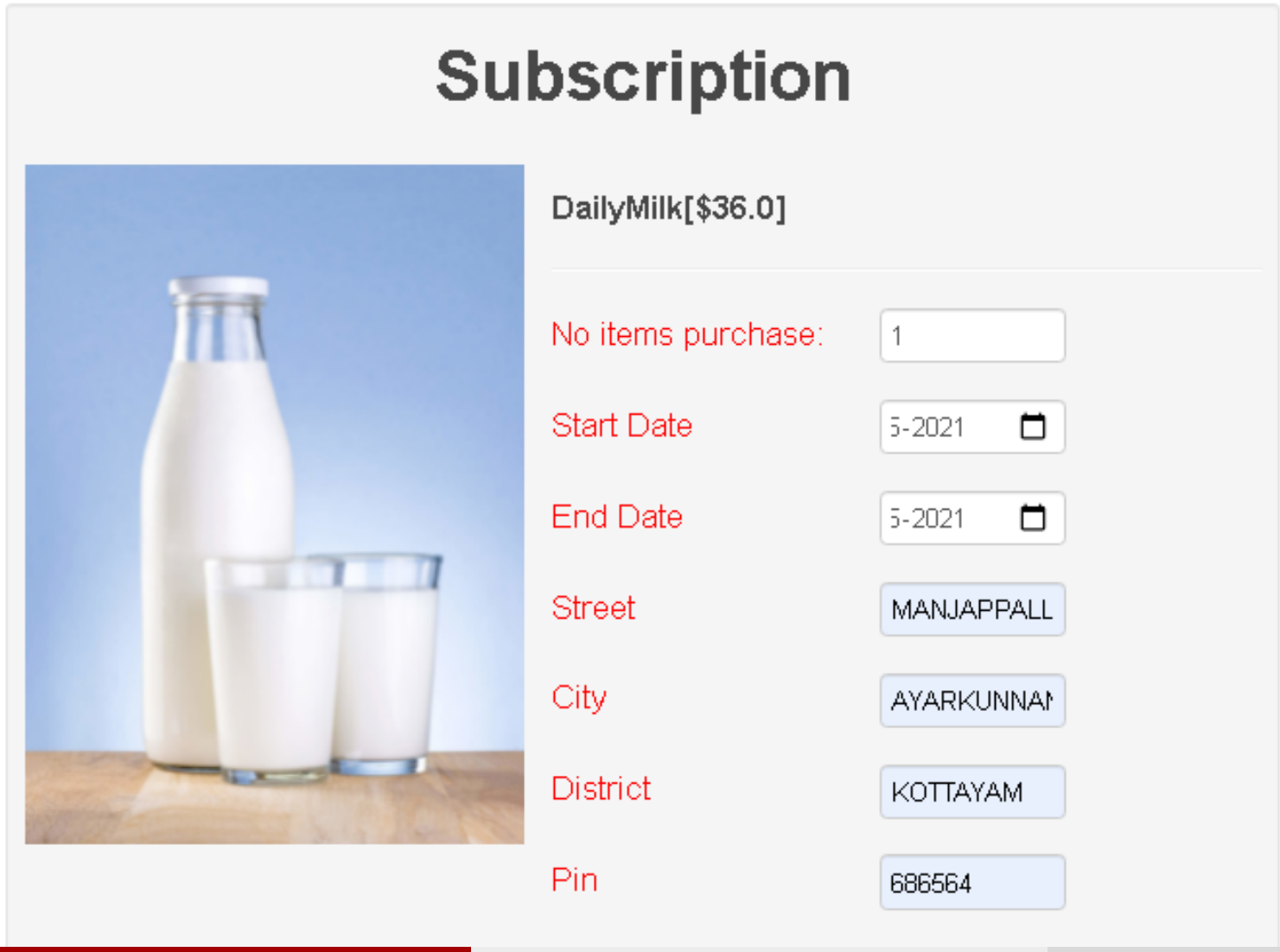
Screenshots

*D*elivery Boy Registration



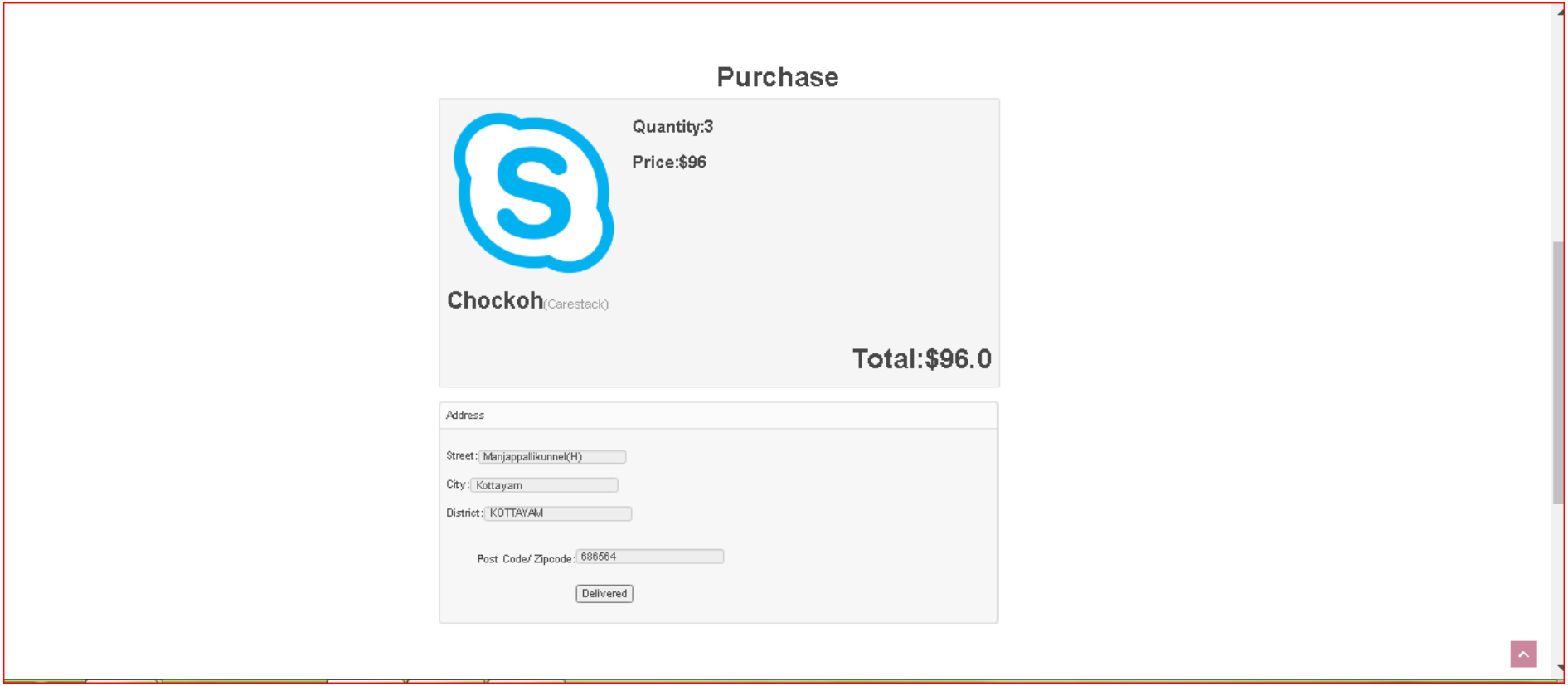
Screenshots

*S*ubscription



Screenshots

*P*roduct Delivery



Product Backlog

No	As a.....	I want to be able to	So that	Priority	Status
1	Admin	Handle stock management	I can know about the products left	Must	To be started
2	Admin	Add Delivery Boy	Can assign delivery boy for each purchases	Must	Completed
3	Admin	Add Daily Item	Customer can book items for a predefined period	Must	Completed
4	Admin	Identity Potential Customers	Provide special offers to them	Could	To be started
5	Admin	Add discounts	Can attract customers	Could	In progress
6	Customer	Subscribe items	Get products between selected dates in daily basis	Could	In progress
7	Delivery Boy	Deliver products	I will get the next delivery notification	Must	Completed
8	Farmer	Add store items	I can sell them without any middleman	Must	Completed
9	Customer	Participate in Auction	May get the item within our budget	Must	In progress

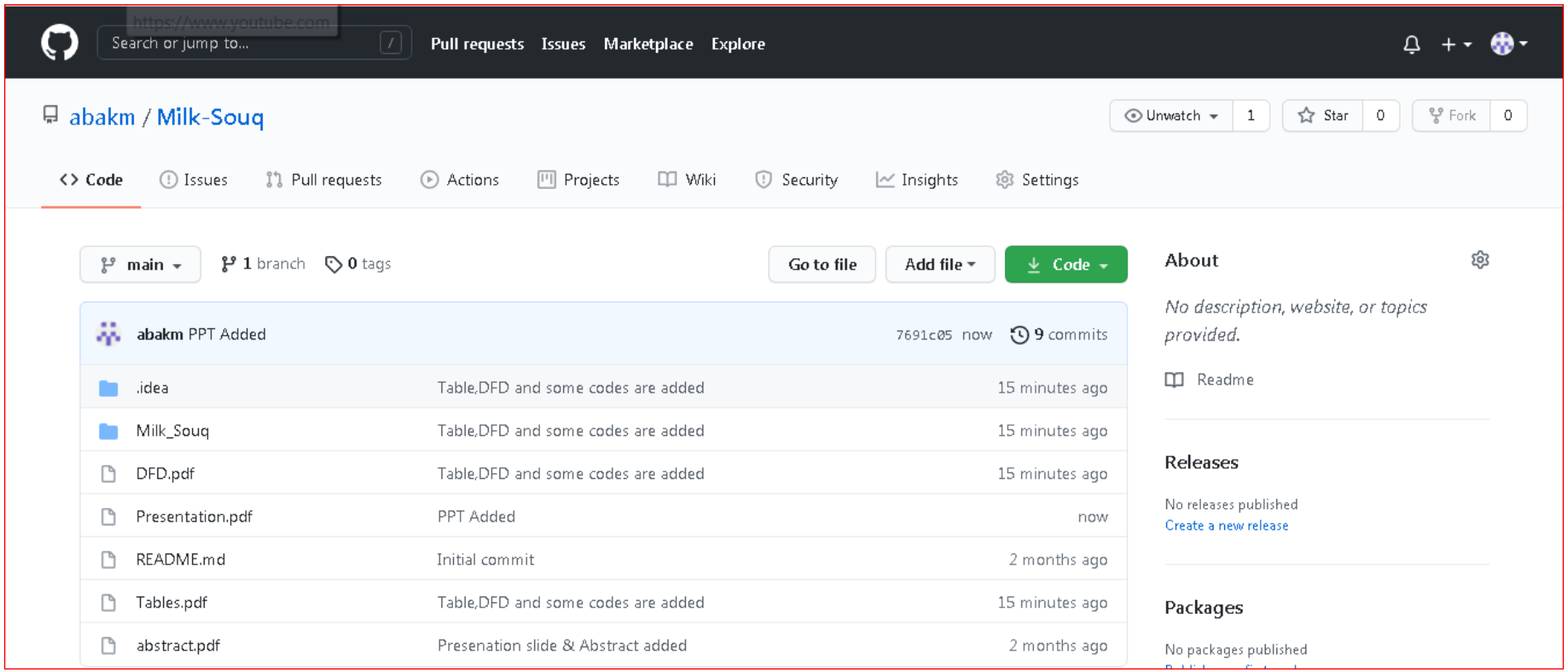
Sprint Backlog

No	Date	Task	Status
1	15-03-2021 to 03-04-2021	• Topic Introduction • Requirement Analysis • System Study • Module Description	Completed
2	04-04-2021 to 07-06-2021	• Database Design	Completed
3	26-04-2021-present	• Coding	In progress

Hardware and Software Specifications

- Hardware Specifications
  - Windows 7 or later.
  - 2 GB RAM.
  - 250 GB storage.
- Software Specifications
  - Python with Django framework.
  - MySQL.

Screenshot-Git history



Conclusion

- My aim is to extend the real-time system by adding some features
- The features going to add will comfortable for the customers .
- Through this upgrade the system will improve more as a commercial website.

Thanks!