

Coffee For Go! System	Version: 2.0
Software Design Description	Date: < 21/06/2023>
Eiman Damien bin Rohmat	

Coffee For Go! System

Software Design Description (SDD)

Version 2.0

SEMESTER MAC 2023 –OGOS 2023

GROUP: CS1104B

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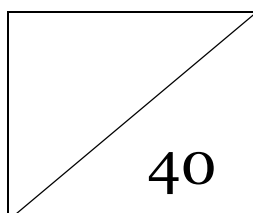
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SDD Grading Rubric

Category	Remarks/Marks				
	Poor	Mediocre	Good	Excellent	Outstanding
Product Scope	1	2	3	4	5
	Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals.				
Context Diagram	1	2	3	4	5
	Place Context Diagram (put in appendix) of the proposed information system here. Provide descriptions of the proposed information system according to provided diagram. Descriptions must be cleared to ensure audience able to understand what this document tries to deliver.				
Diagram o	1	2	3	4	5
	Place Diagram o (put in appendix) of the proposed information system here. Provide descriptions of the proposed information system according to provided diagram. Descriptions must be cleared to ensure audience able to understand what this document tries to deliver.				
Functional Decomposition Diagram	1	2	3	4	5
	Based on Diagram o above, create an FDD and place here. FDD should be exactly similar with Diagram o including process numbering and name.				
Entity Relationship Diagram	1	2	3	4	5
	Place ERD in this section (put in appendix) and ensure it uses correction notation whether Crow's Foot or Chen, has relationships and cardinality. ERD should be matched with physical database.				
Data Dictionary	1	2	3	4	5
	Please provide a list that contains name of tables, attributes and data type. All the components must be exactly similar with physical database.				
Functional Requirements	1	2	3	4	5
	<i>Functional requirements capture the intended behavior of the system. List the detail of different user/stakeholder functions with specific explanations regarding every function.</i>				
Documentation & Format	1	2	3	4	5
	Follow the documentation format with an appropriate arrangement and fulfilled requirements.				

Marks:



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Revision History

Name	Date	Reason For Changes	Version
Eiman Damien bin Rohmat	23/5/2023	A change to the ERD and diagram o was made and data dictionary also changed.	1.0
Eiman Damien bin Rohmat	21/6/2023	A change to the ERD and diagram o was made and data dictionary also changed.	2.0
Eiman Damien bin Rohmat	16/7/2023	A change to the functional requirements was made.	2.1

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1. Introduction

1.1 Document Purpose

The document purpose of this software is to improve Coffee For Go! registration because by having customers registering into the database system. This is because the risk of using manual register may cause data loss such as writing on paper. Writing on paper can cause the writing to blur for a long time period. Other than that, natural disasters can also cause the hard copy data to disappear. With the improvement of the system, it will help the business to store the data in the database and prevent them from losing it. SDD are used for system developer to develop the system and SDD purpose is to describe the process from the context diagram and diagram 0.

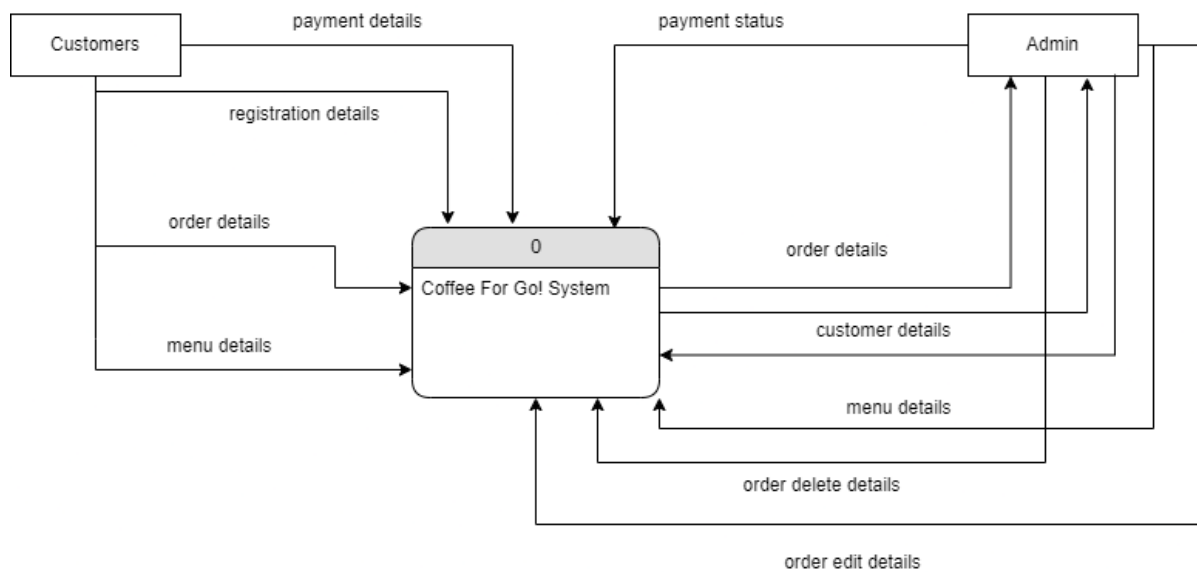
1.2 Product Scope

- Developed for customers that want to purchases according to the menu given.
- The Coffee For Go! system's top level design and technological choices will be described in this study.
- This SDD describes the limitations of the systems, the functional requirements that have a impact on the architecture, constraints, performance issues, the layers and subsystems of the application.

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2. System Overview

2.1 Context Diagram



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Entity: Customers

Data: Registration Details

Description: Customers are able to register to the system as Coffee For Go! member by filling the form about the users' personal information.

Entity: Customers

Data: Order Details

Description: Customers are able to order and see the order details that they have ordered.

Entity: Customers

Data: Payment Details

Description: Customers are able to see the payment details after they are done ordering.

Entity: Customers

Data: Menu Details

Description: Customers are able to see the menu details before they order.

Entity: Customers

Data: Payment Status

Description: Customers are able to view their payment status after the admin done updating the payment detail.

Entity: Admin

Data: Payment status

Description: Admin have to update the payment status after the customers done making the payment.

Entity: Admin

Data: Order Details

Description: Admin can view customer order details.

Entity: Admin

Data: Customer Details

Description: Admin can view customer details.

Entity: Admin

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Data: Menu Details

Description: Admin can add menu details.

Entity: Admin

Data: Order Edit Details

Description: Admin can edit order details.

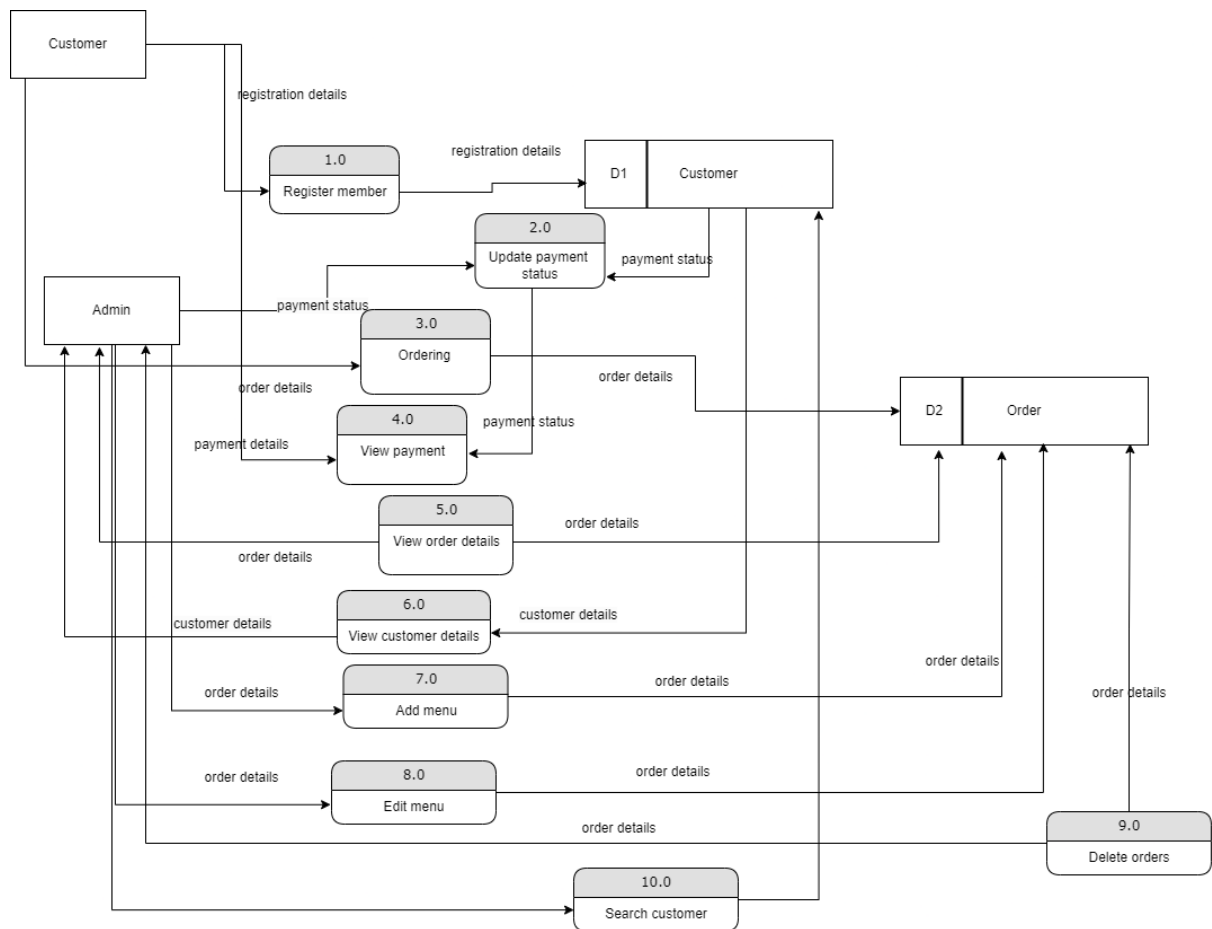
Entity: Admin

Data: Order Delete Details

Description: Admin can delete order details.

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2.2 Diagram 0



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Entity: Customer

Data: Registration Details

Process: Register member

Description: Customers should fill the registration form by inserting their info to register as Coffee For Go! member.

Entity: Admin

Data: Payment Status

Process: Update payment status

Description: Admin have to update customers payment status after they are done making the payment.

Entity: Customer

Data: Order Details

Process: Ordering

Description: Customers can order the menu they wanted based on their preferences.

Entity: Customer

Data: Payment Details

Process: View Payment

Description: Customers can view the payment they have made.

Entity: Admin

Data: Payment status

Process: View Payment

Description: Admin can view and update the payment customers have made.

Entity: Admin

Data: Order Details

Process: View Order Details

Description: Admin can view order details that customers have made.

Entity: Admin

Data: Customer Details

Process: View Customer Details

Description: Admin can view customer details.

Entity: Admin

Data: Order Details

Process: Add Orders

Description: Admin can add orders.

Entity: Admin

Data: Order Details

Process: Edit Orders

Description: Admin can edit orders.

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Entity: Admin

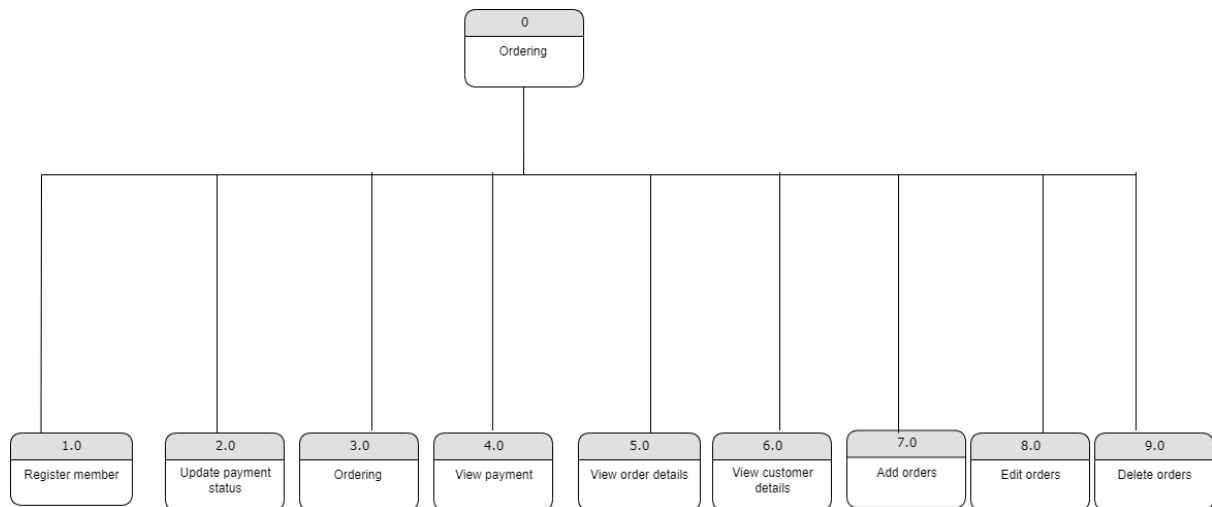
Data: Order Details

Process: Delete Orders

Description: Admin can delete orders.

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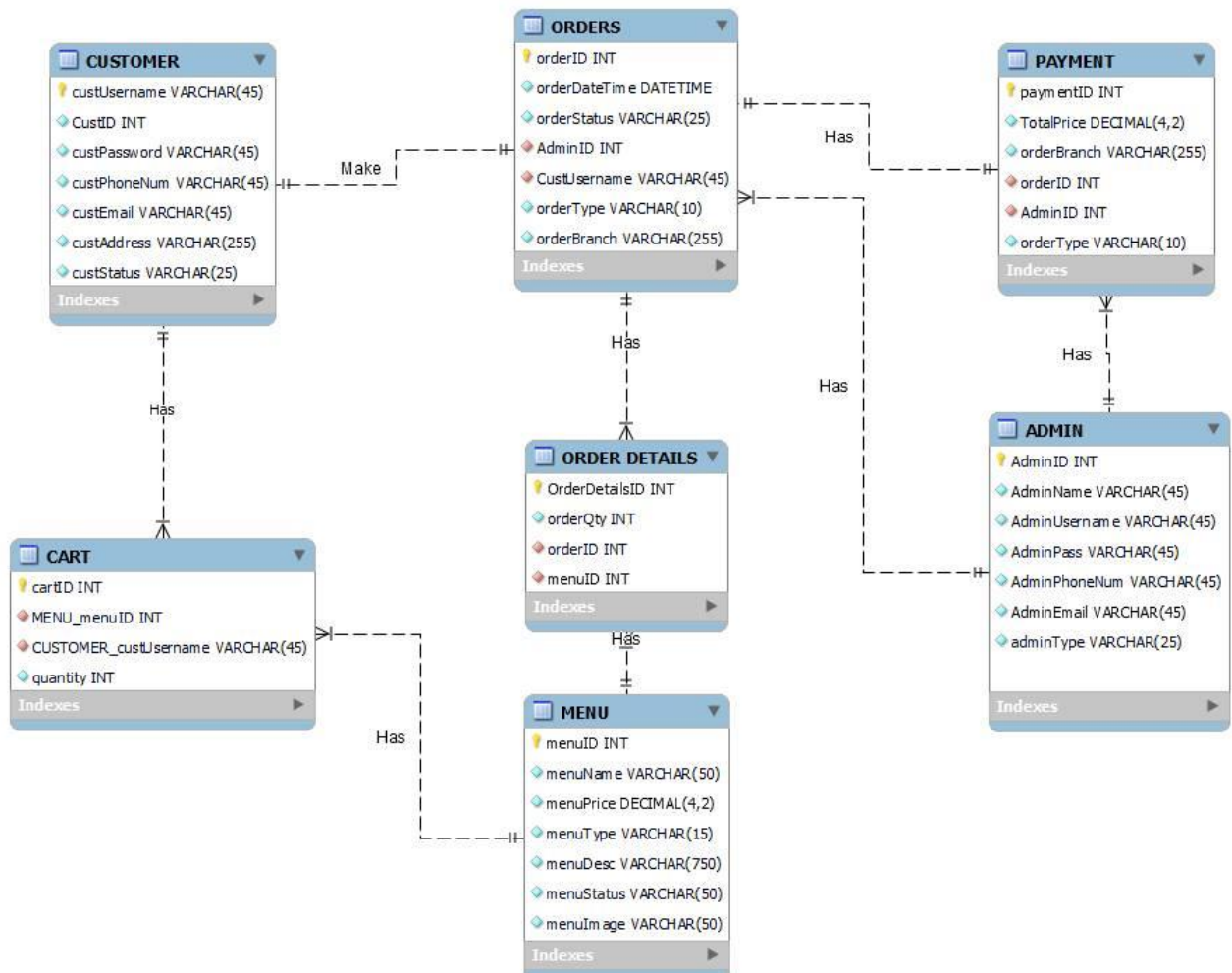
2.3 Functional Decomposition Diagram



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3. Database Design

3.1 Entity Relationship Diagram (ERD)



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3.2 Data Dictionary

Table: Customer

ATTRIBUTES	DATATYPE
custID	Integer
custUsername	Varchar
custPassword	Varchar
custPhoneNum	Varchar
custEmail	Varchar
custAddress	Varchar
custStatus	Varchar

Table: Orders

ATTRIBUTES	DATATYPE
orderID	Integer
orderDATETIME	DateTime
custUsername	Varchar
orderStatus	Varchar
adminID	Integer
orderType	Varchar
orderBranch	Varchar

Table: Payment

ATTRIBUTES	DATATYPE
paymentID	Integer
orderBranch	Decimal
TotalPrice	Decimal
orderID	Decimal
adminID	Integer
orderType	Varchar

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Table: Order Details

ATTRIBUTES	DATATYPE
OrderDetailsID	Integer
orderQty	Integer
orderID	Integer
menuID	Integer

Table: Menu

ATTRIBUTES	DATATYPE
menuID	Integer
menuName	Varchar
menuPrice	Decimal
menuType	Varchar
menuDesc	Varchar
menuStatus	Varchar
menuImage	Varchar

Table: Admin

ATTRIBUTES	DATATYPE
adminID	Integer
adminName	Varchar
adminUsername	Varchar
adminPassword	Varchar
adminPhoneNum	Varchar
adminEmail	Varchar
adminType	Varchar

Table: Cart

ATTRIBUTES	DATATYPE
cartID	Integer
menuID	Integer
custUsername	Varchar
quantity	Integer

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4. Functional Requirements

USER	FUNCTION
Admin	-Delete order
	-View payment
	-View order details
	-View customer details
	-Add and edit order
Customer	-Register as member
	-Order the menu
	-View payment
Staff	-View and Update Payment