

Project Presentation

GREEN TECH ENERGY

DataCause Analytics Pvt. Ltd

Project Guide: Dr. Milind Godase

Janvi Umesh Dhonde

22313 MCA-II C

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SINHGAD INSTITUTE OF MANAGEMENT

Company Profile



- We are Data Driven Analytics Company and a group of 17+ years experienced working professionals from Data Analytics, Software Engineering, Project Management. Our objective is to help Education Institutions and Industries by providing valuable Data Analytics and Software Engineering training in order to develop their students, employees to compete in this advanced technological world.
- We utilize the latest digital platforms tightly integrated with the latest security measure across all associated mobile device technologies. The results are convenient, simple and always intuitive to use. Data capture and reporting efficiencies are enhanced because data captured via secure digital devices are available for validation and analysis immediately as each data packet is completed and uploaded in real time. Sponsor and client organizations have real time access to this information allowing closer scrutiny of data quality and compliance. The result is greater data conformance and increased data management efficiencies across the board.
- DataCause help build intelligent solutions for data-driven businesses. And offers data management, business intelligence, data visualization, advanced analytics.

INTRODUCTION

- The Green Tech Energy is a web based development platform designed to support company for in In an era where digital innovation is reshaping industries and revolutionizing the way businesses operate. To transform the way tailors manage their business, interact with customers, and streamline their operations.
- The Fabicfit app consists of various modules that allows Appointment Scheduling, Digital Catalogs, Tailor Management, Measurement Recording, Order Tracking, Payment Processing, Customer Engagement.
- By addressing these specific points in these Android app development project for tailors, fabicfit create a comprehensive and effective solution that meets the needs of both tailors and their clients.

Existing System & Need of System

- The central concept of the Website revolves around providing customers with a seamless virtual shopping experience via the Internet, enabling them to browse and purchase their desired items and articles from the store's extensive inventory. All pertinent information regarding the products is meticulously stored within a robust database located on the server side, ensuring easy access and retrieval whenever needed.
- In the current landscape, online shopping has emerged as a preferred mode of retail, particularly among highly educated individuals who value the convenience, variety, and accessibility offered by digital platforms. Recognizing this trend, the system has been meticulously crafted to cater to the needs and expectations of this discerning demographic.

OBJECTIVES & SCOPE

- The primary aim of the online shopping site is to streamline and automate the management of various aspects of the shopping experience, including transactions, payments, invoices, and customer interactions.

Built exclusively for administrative use, the project restricts access to authorized personnel, ensuring data integrity and security.

- The **scope of ecommerce** is expanding day by day due to the heavy number of internet users all over the world. People are spending more time in doing online shopping for various products available on the ecommerce platforms. According to Demand Sage, 2.14 billion people are shopping through e-commerce as of 2022. People spend more time online shopping for various products available on e-commerce platforms.

Amazon offers items in almost every category to all the users.

TECHNOLOGY DETAILS

- **SERVER HARDWARE REQUIREMENT:**

Processor: Intel Core I3 or Above

RAM: 4 GB or Above

Storage: 512 GB or Above.

- **Server Software Requirement:**

Operating System: Windows 07 or Above

Web Browser: Internet Explorer, Google Chrome, etc.

IDE: PyCharm Community or VS Code

Front end: HTML, CSS, JS **Backend:** Python Shell

Framework: Django **Database:** SQLite

- **CLIENT HARDWARE REQUIREMENT:**

Processor: Intel Core I3 or Above

RAM: 4 GB or Above

Storage: 512 GB or Above.

- **Client Software Requirement:**

Operating System: Windows 07 or Above

Web Browser: Internet Explorer, Google Chrome, etc

MODULES & FUNCTIONALITIES

❖ **PROFILE MODULE:**

❖ **ADMIN MODULE:** This module is for administrative purposes Registration, Login, Monitoring orders, Overseeing payment, Delivery processes.Tailor & customer management, Managing catalog items.

❖ **CUSTOMER MODULE:** This module is designed for customers who want to engage with Registration, Login, Book appointments, Browse catalog, Provide measurements, Order status.

❖ **TAILOR MODULE:** Tailors use this module to manage their day-to-day operations and interact with customers such as Appointment scheduling, Measurement recording, Catalog management, Order tracking, Customer Order Status.

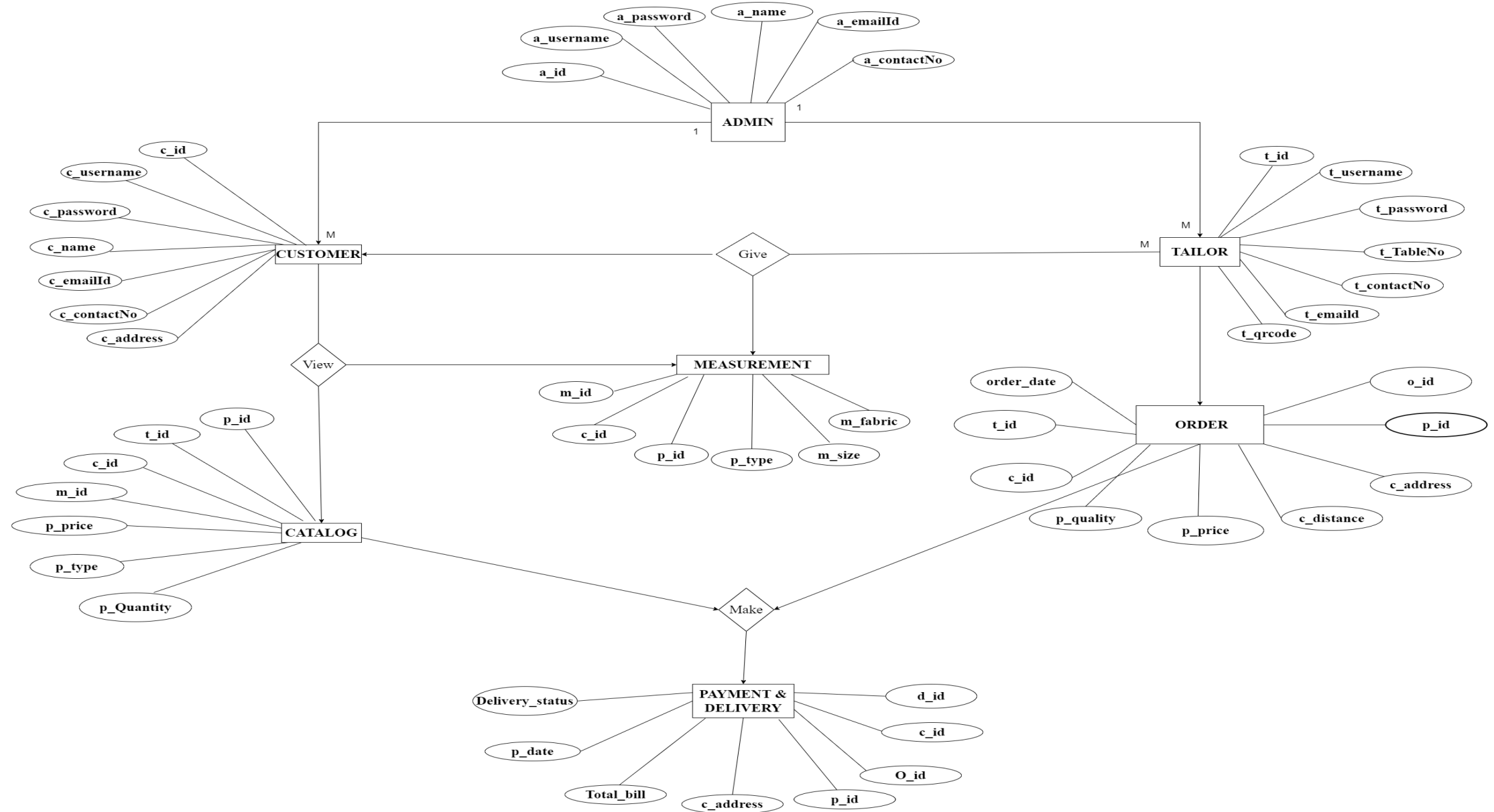
❖ **CATALOG MODULE:** The catalog module serves as a digital showcase of fabrics designs, accessories, browse catalog items, offered by the tailoring administrator.

❖ **ORDER MODULE:** This module allowing customers to Place Orders, Modification, Cancellation, Order tracking.

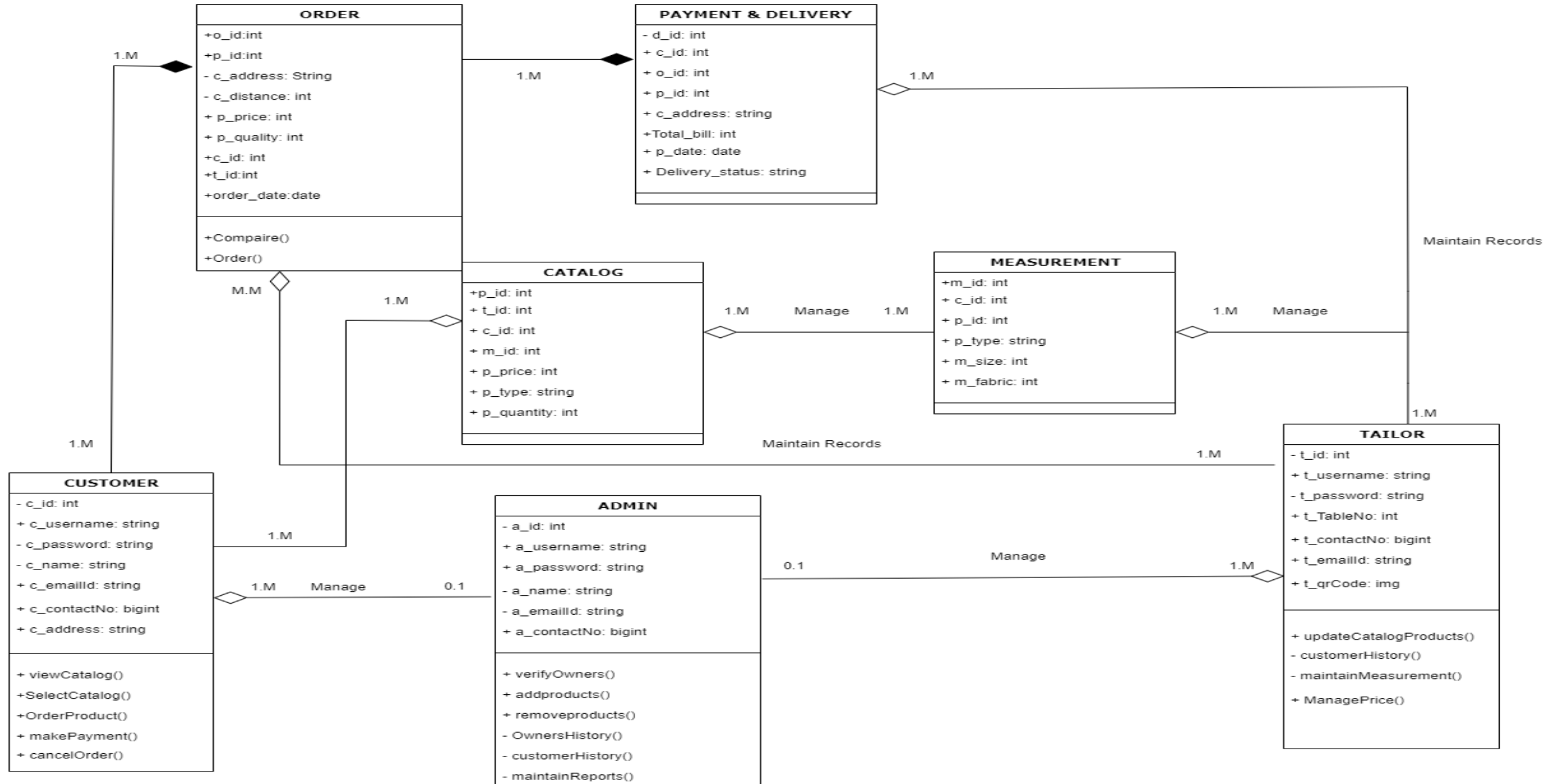
❖ **PAYMENT MODULE:** The payment module handles payment processing for customer order.

❖ **DELIVERY MODULE:** The delivery module focuses on providing delivery notifications to customers.

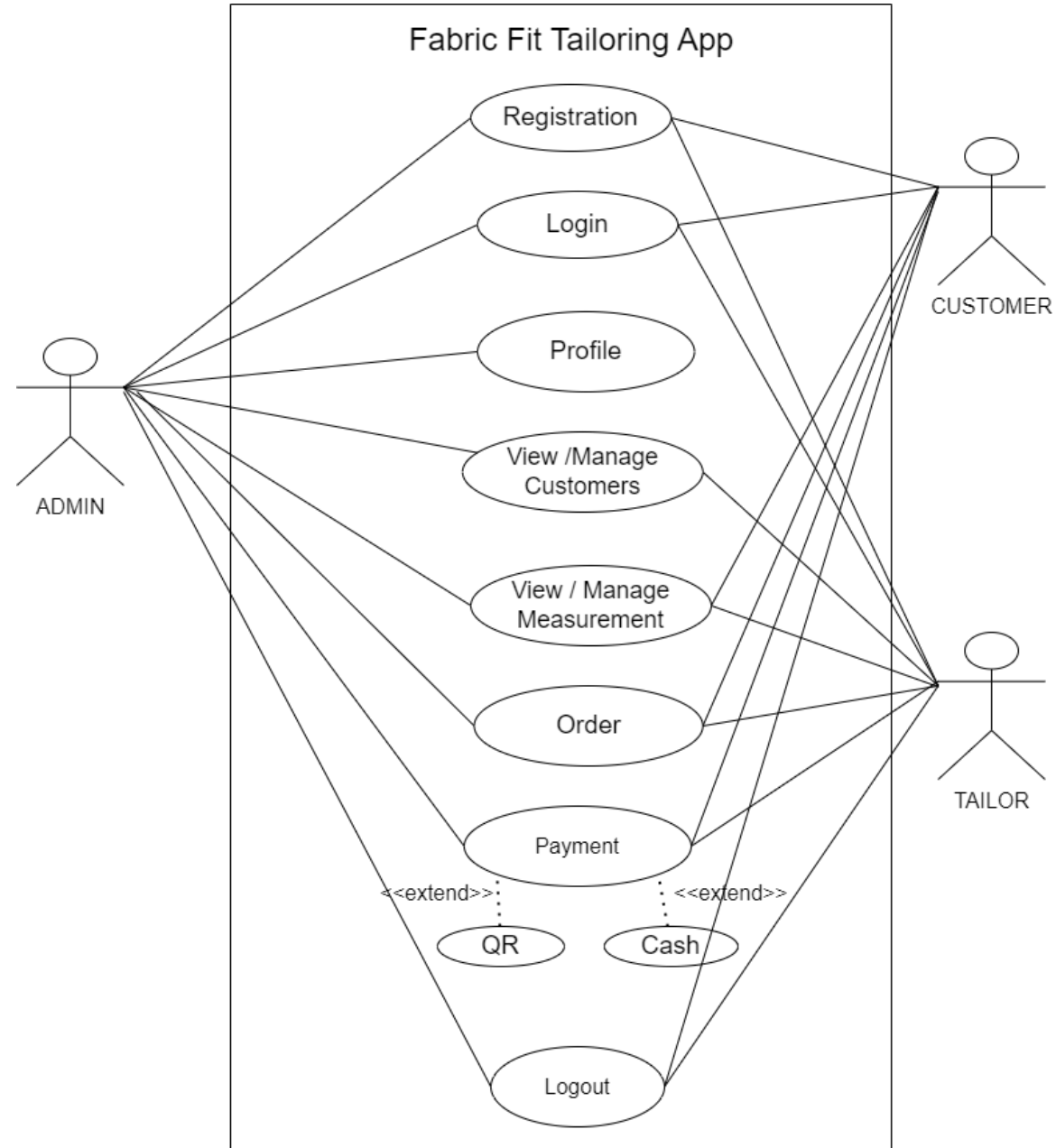
ENTITY RELATIONSHIP DIAGRAM (ERD) :



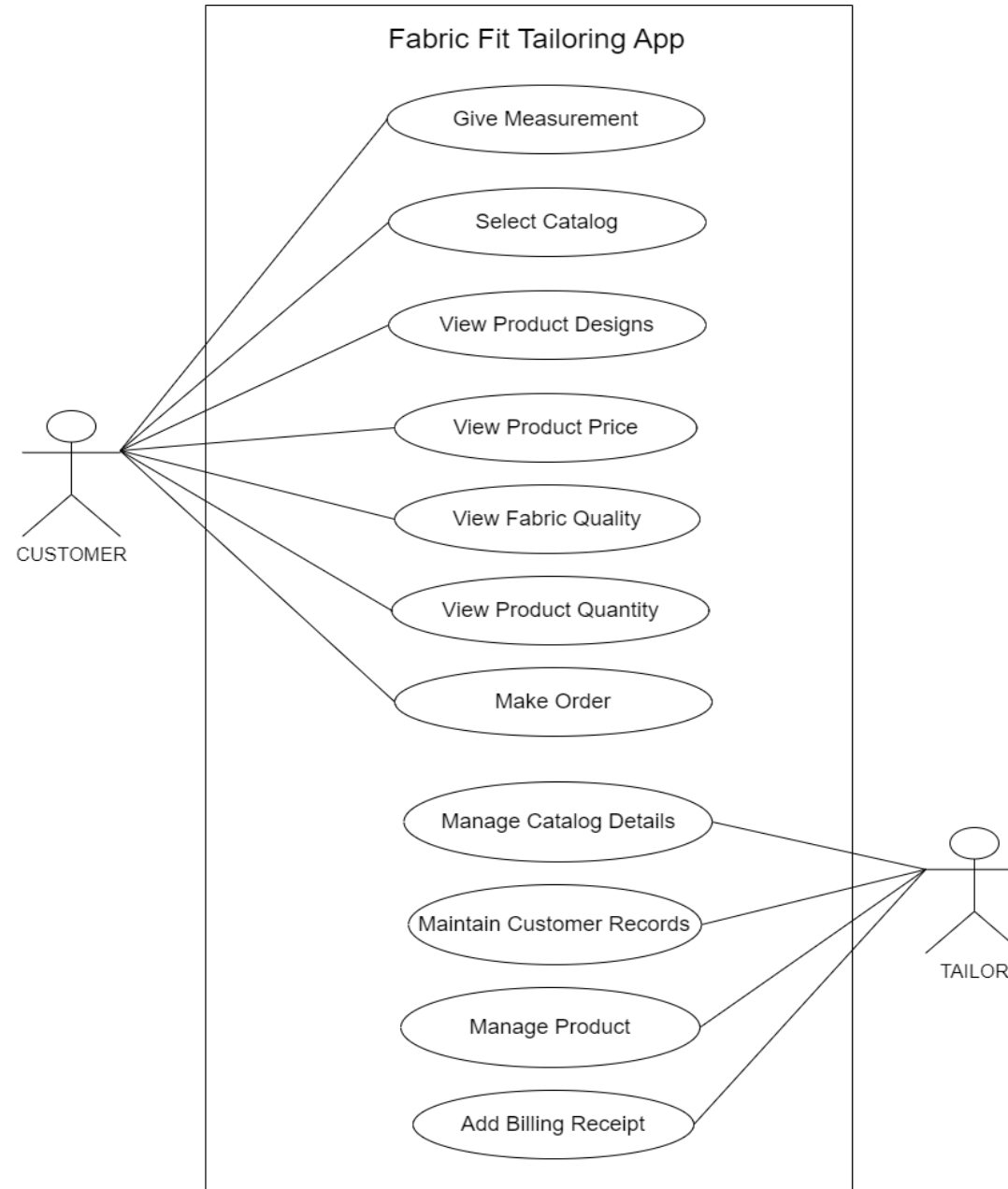
CLASS DIAGRAM :



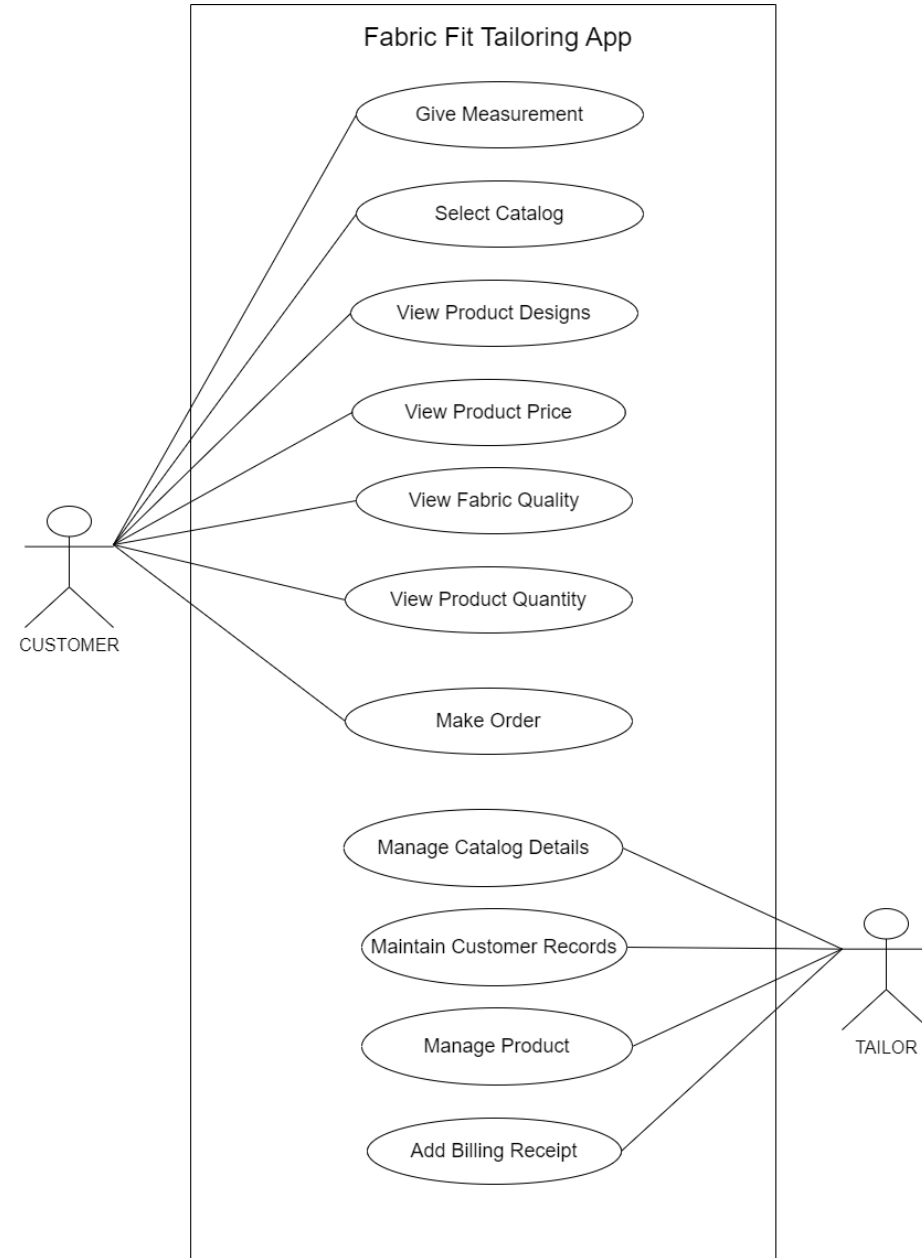
USE CASE DIAGRAM : PROFILE MODULE



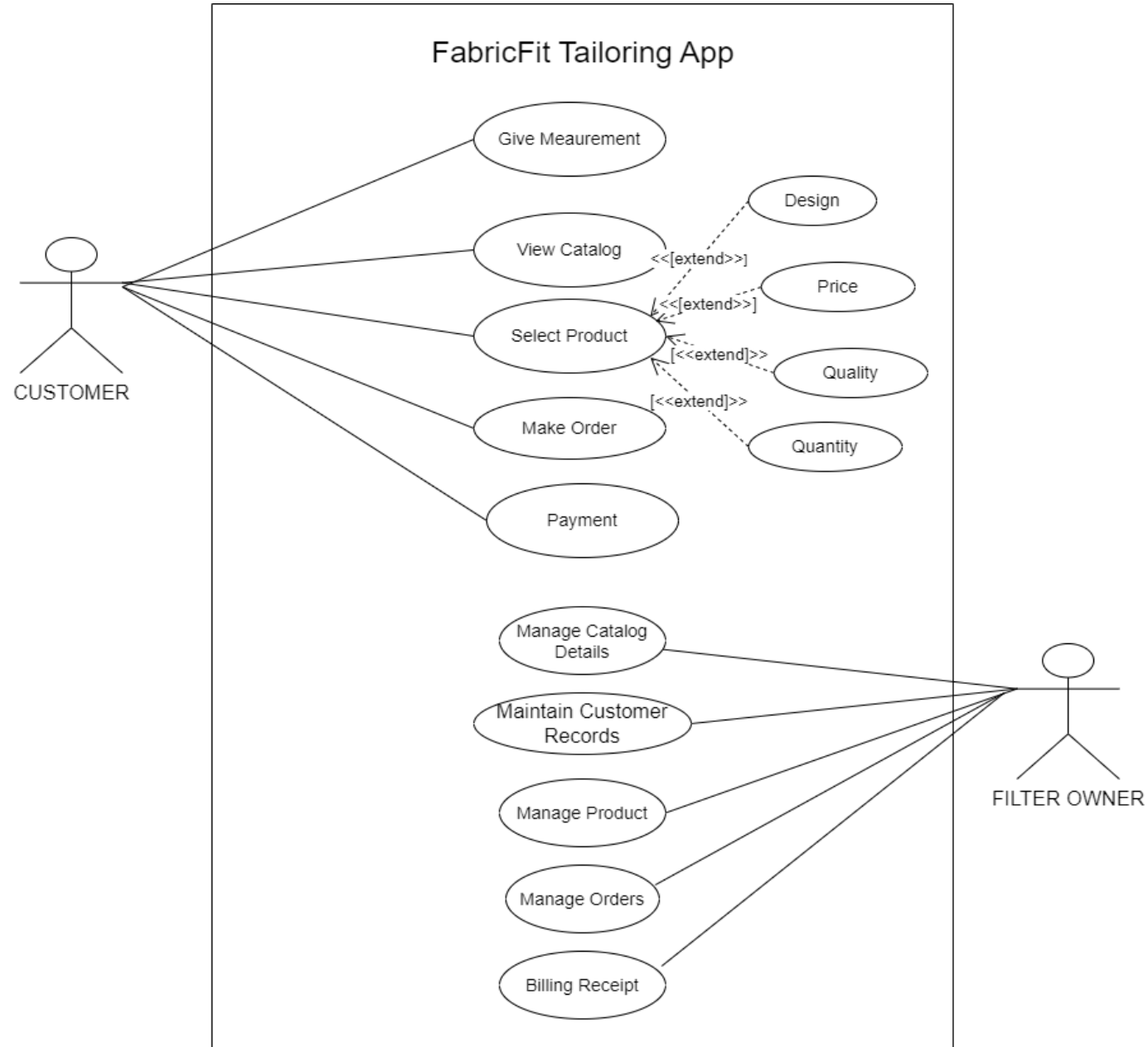
USE CASE DIAGRAM : CATALOG MODULE



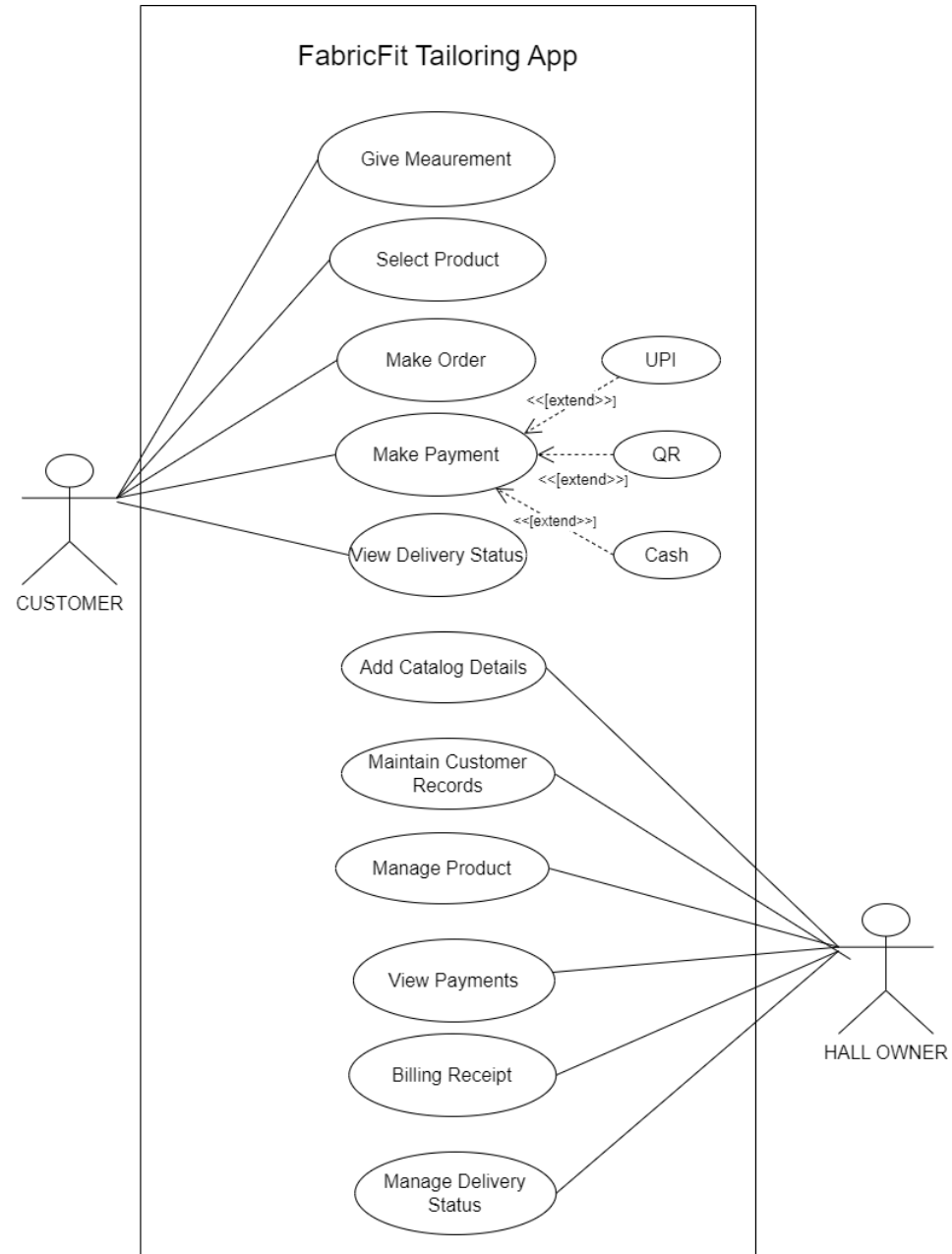
USE CASE DIAGRAM : MEASUREMENT MODULE



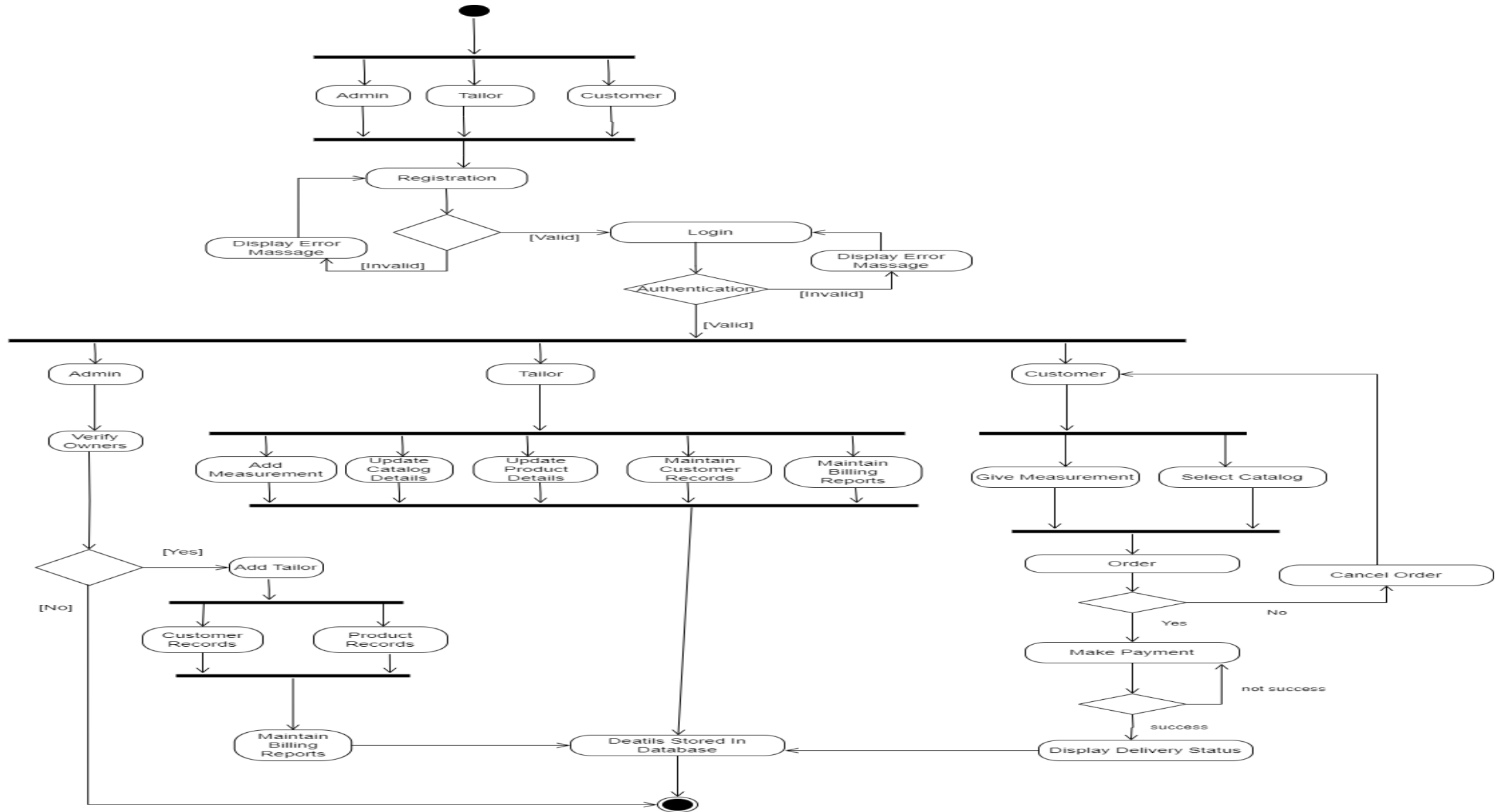
USE CASE DIAGRAM : ORDER MODULE



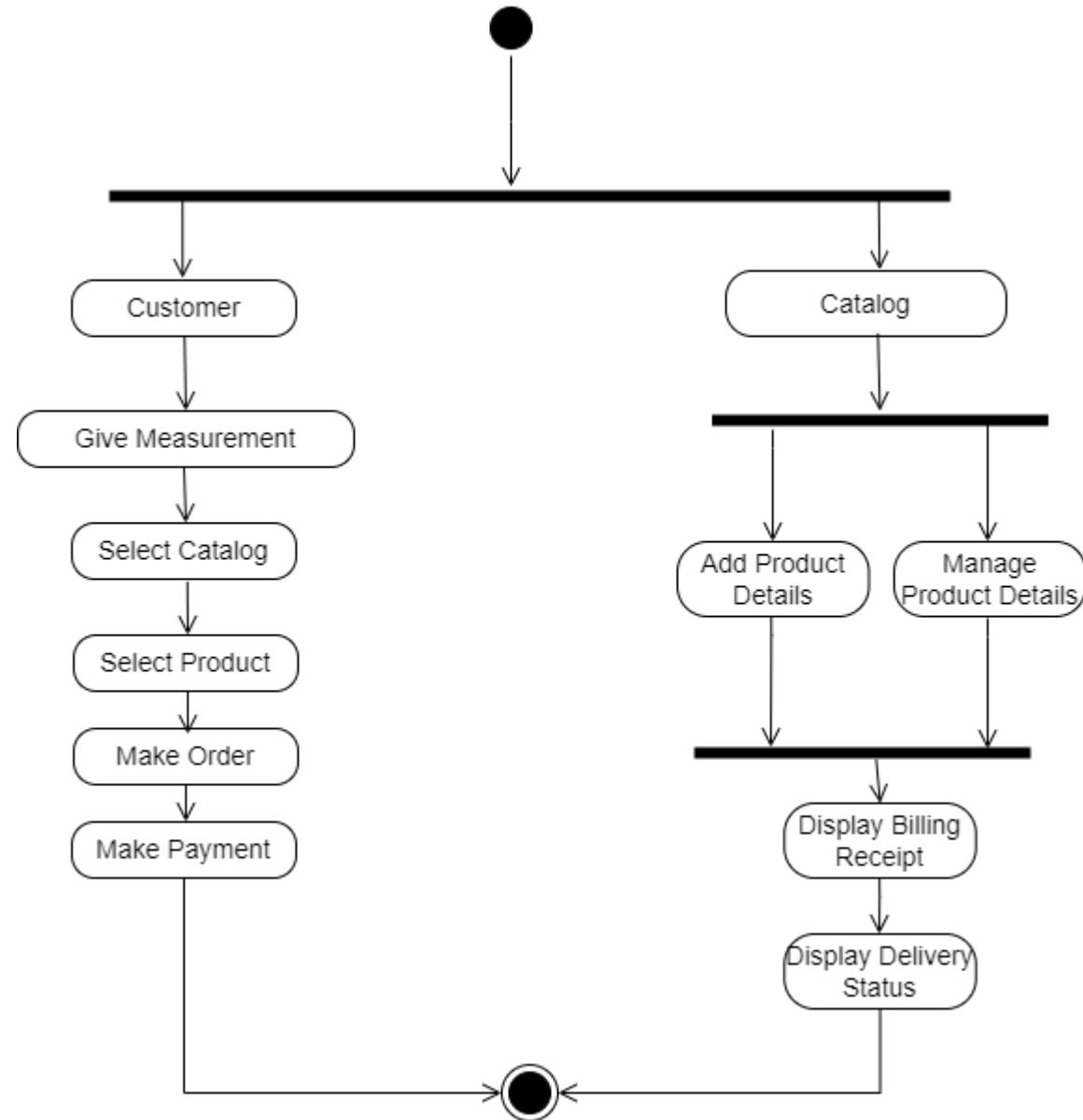
USE CASE DIAGRAM : PAYMENT/DELIVERY MODULE



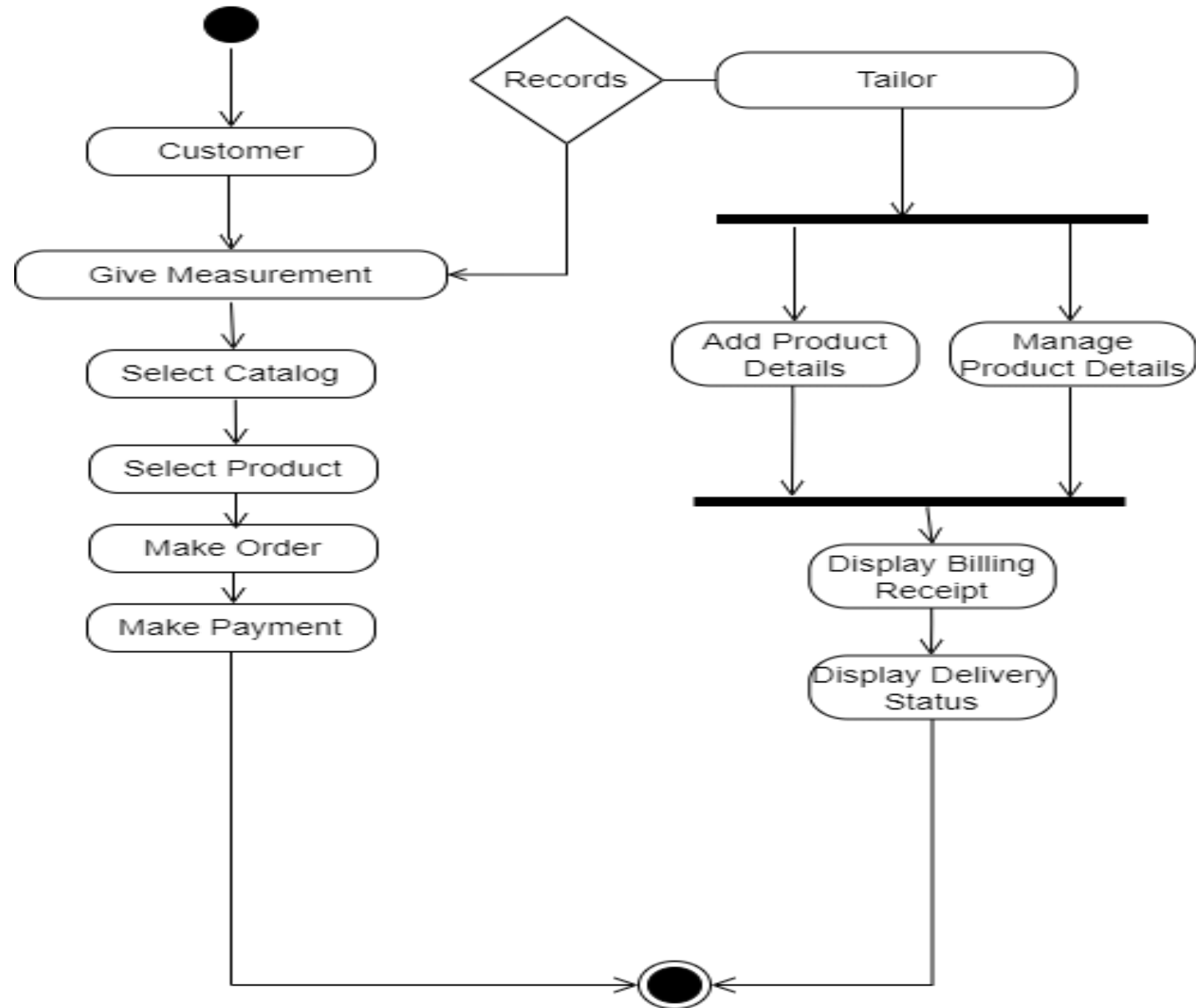
ACTIVITY DIAGRAM : PROFILE MODULE



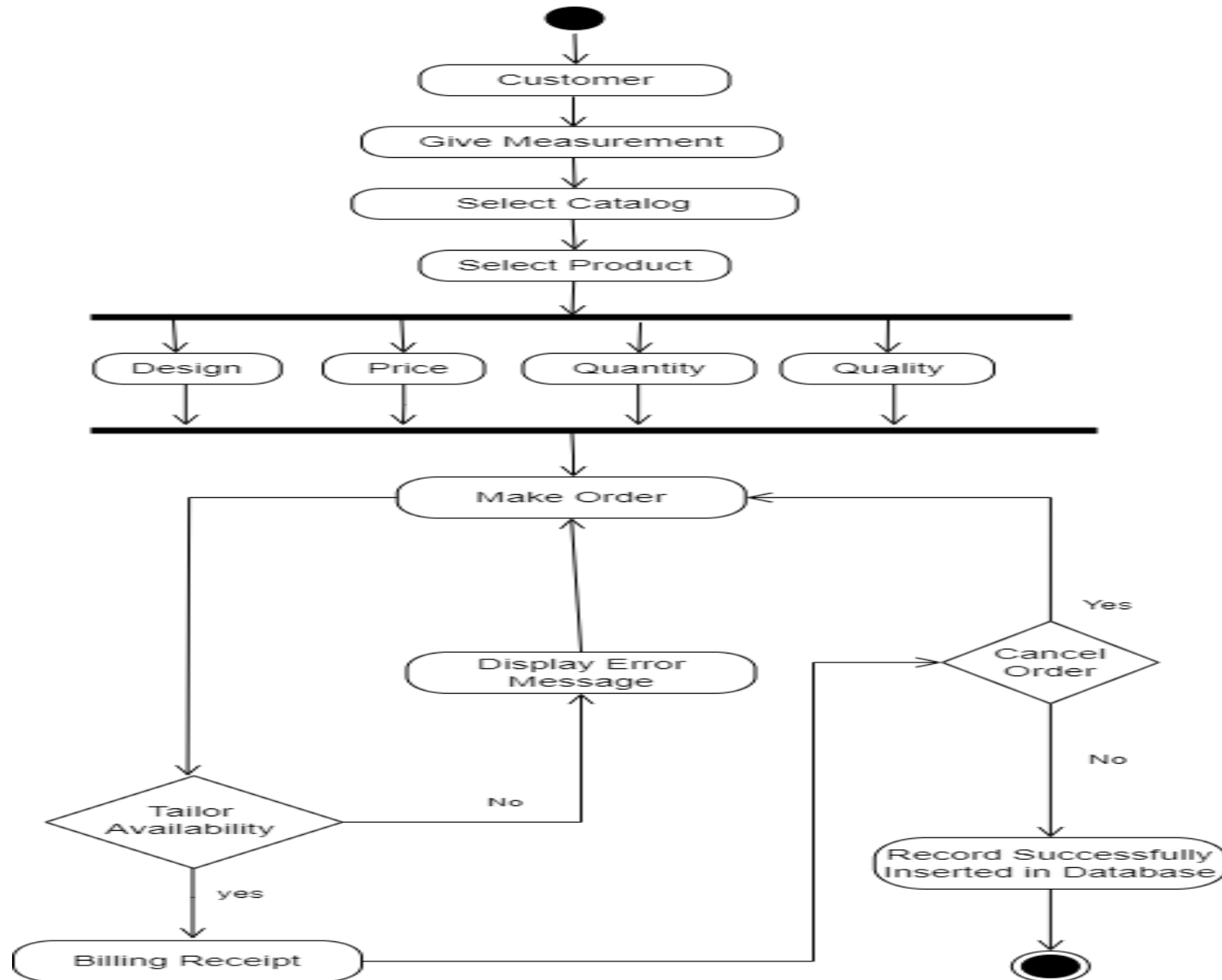
ACTIVITY DIAGRAM : CATALOG MODULE



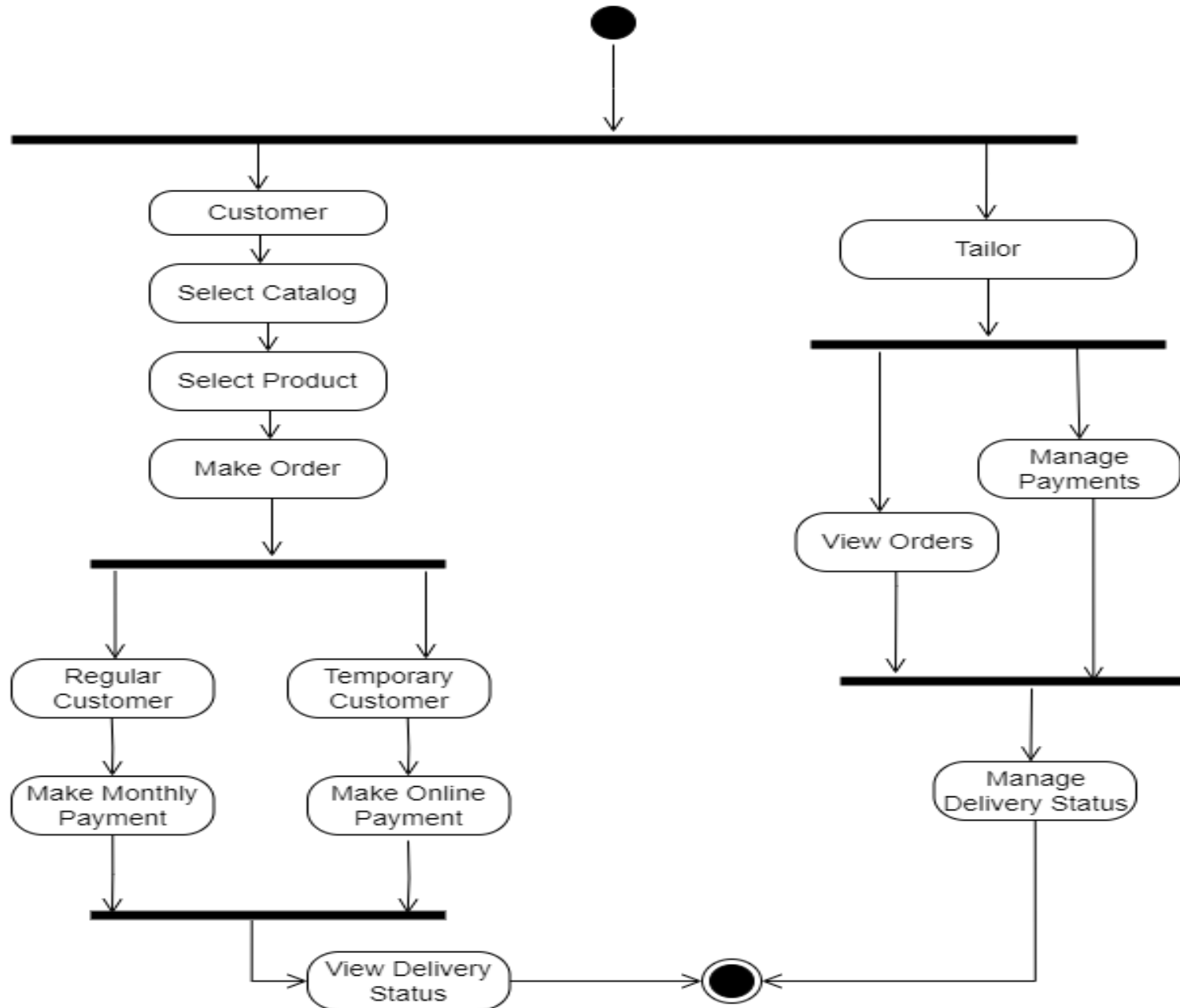
ACTIVITY DIAGRAM : MEASUREMENT MODULE



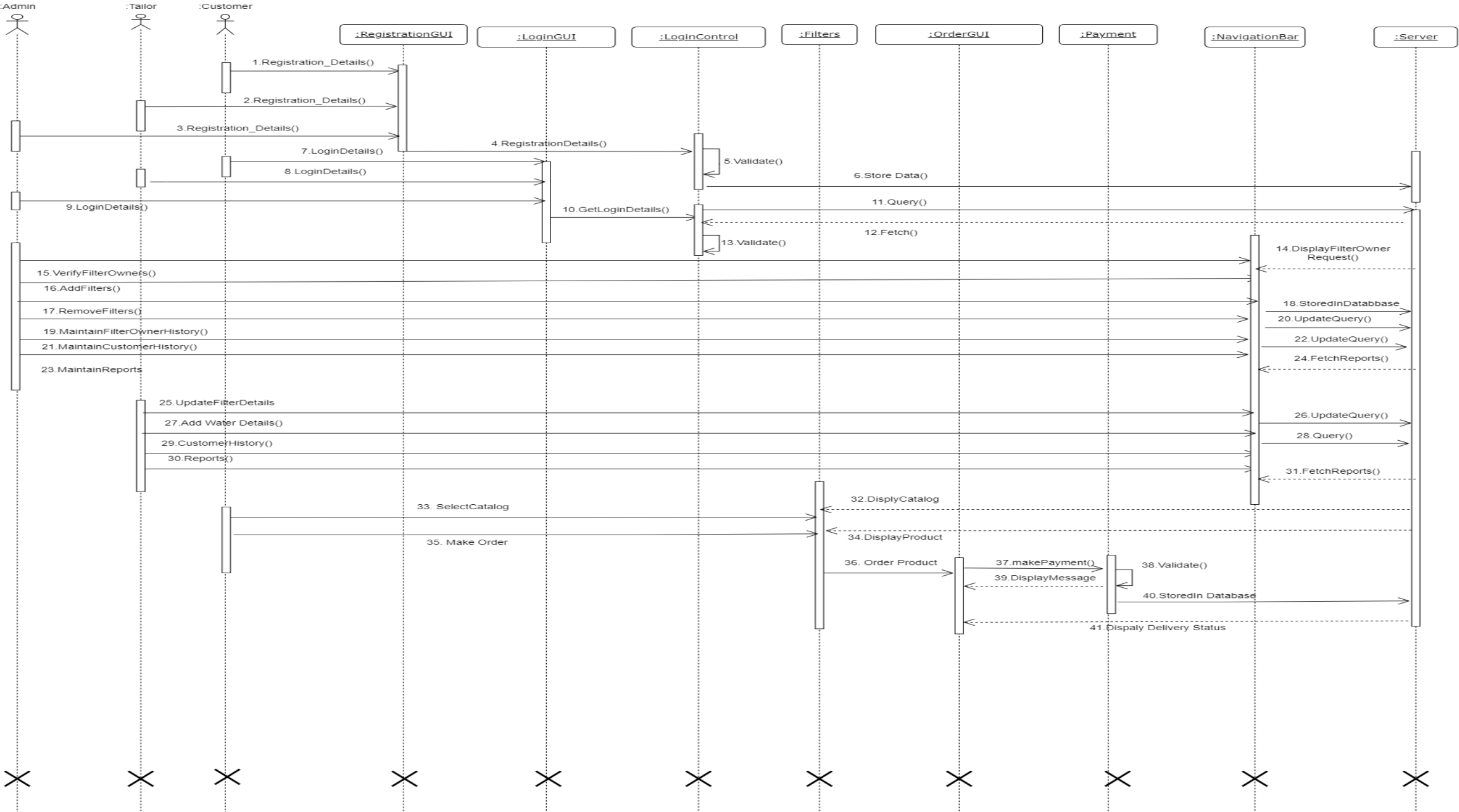
ACTIVITY DIAGRAM : ORDER MODULE



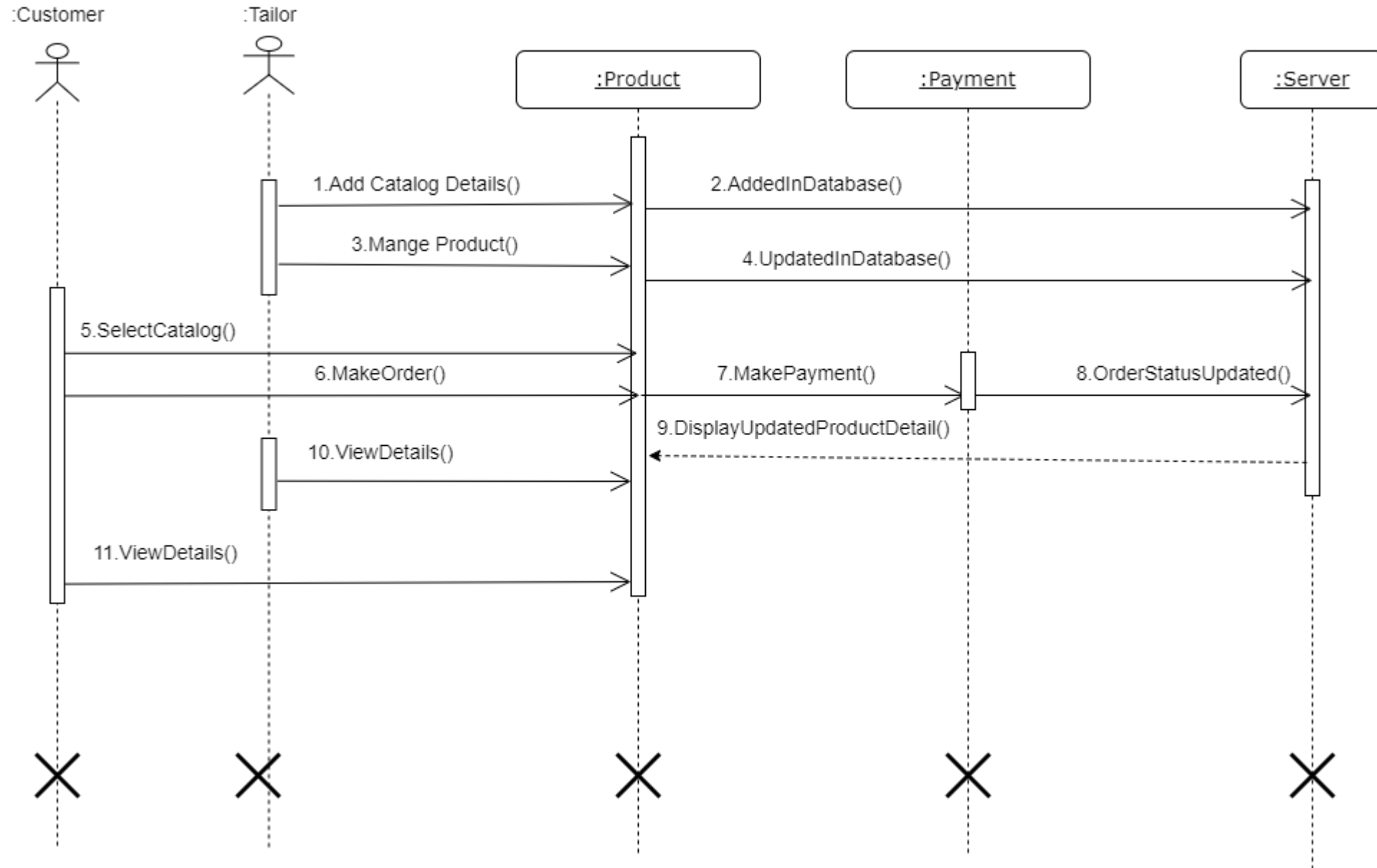
ACTIVITY DIAGRAM : PAYMENT/DELIVERY MODULE



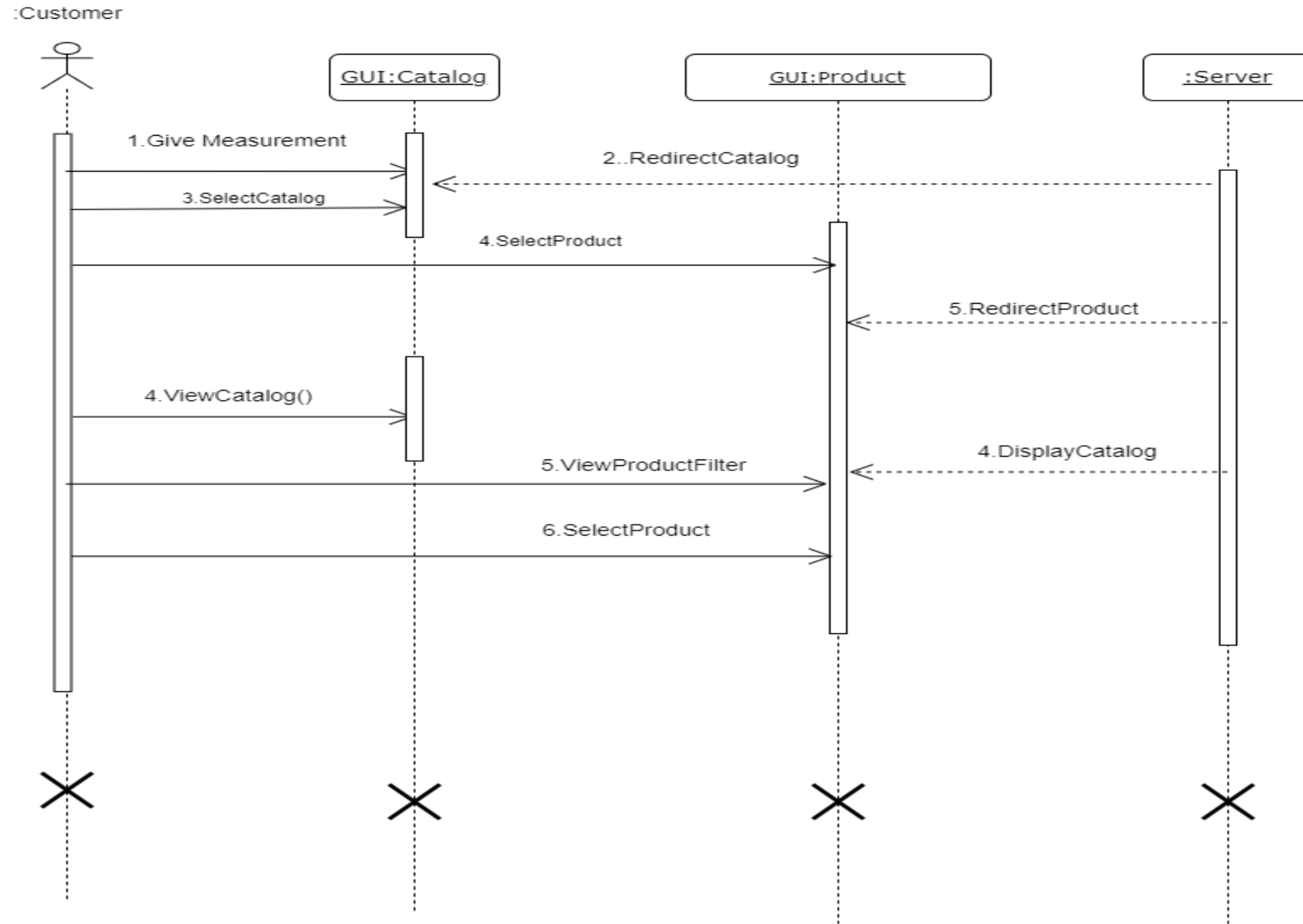
SEQUENCE DIAGRAM : PROFILE MODULE



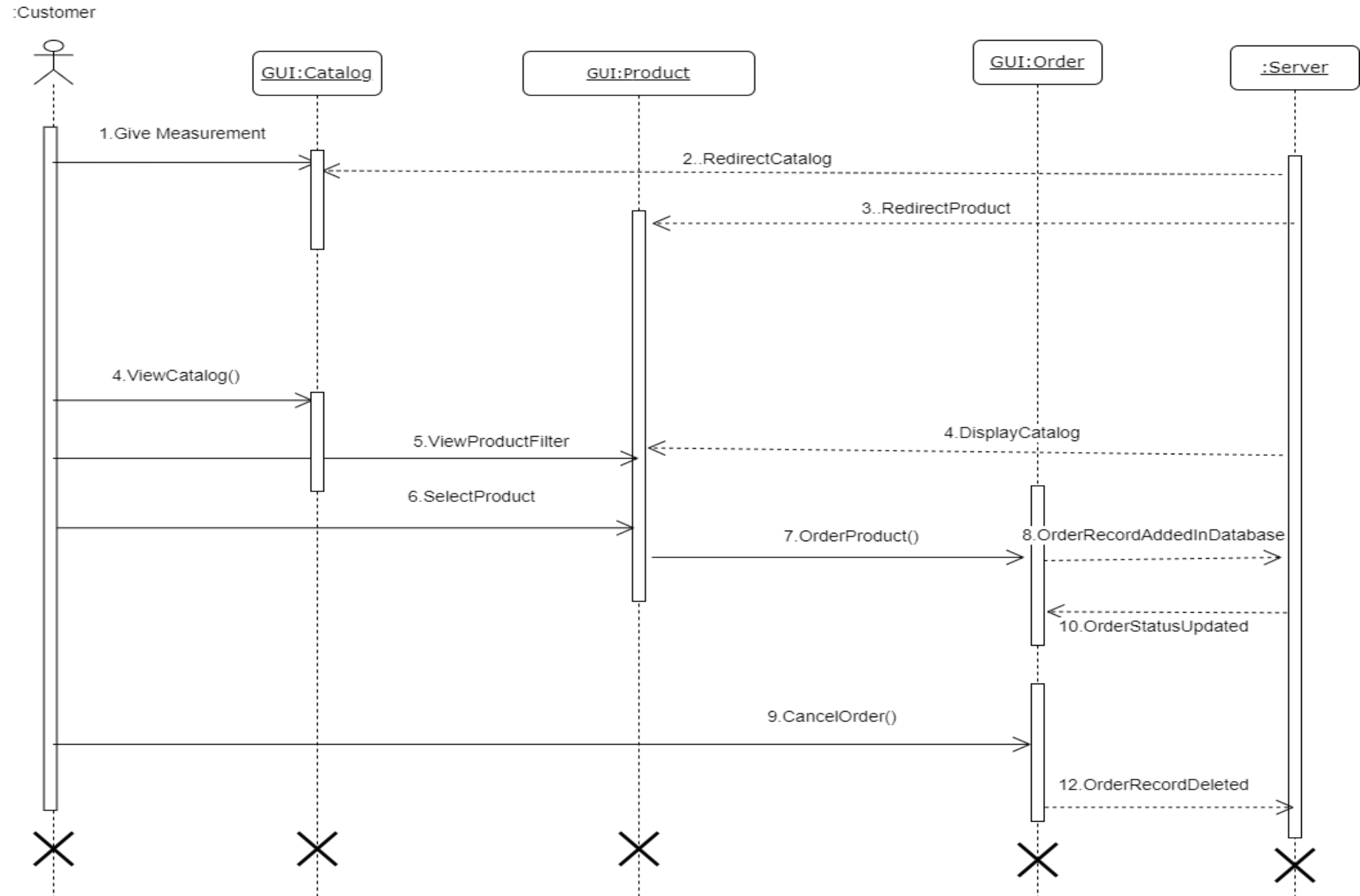
SEQUENCE DIAGRAM : CATALOG MODULE



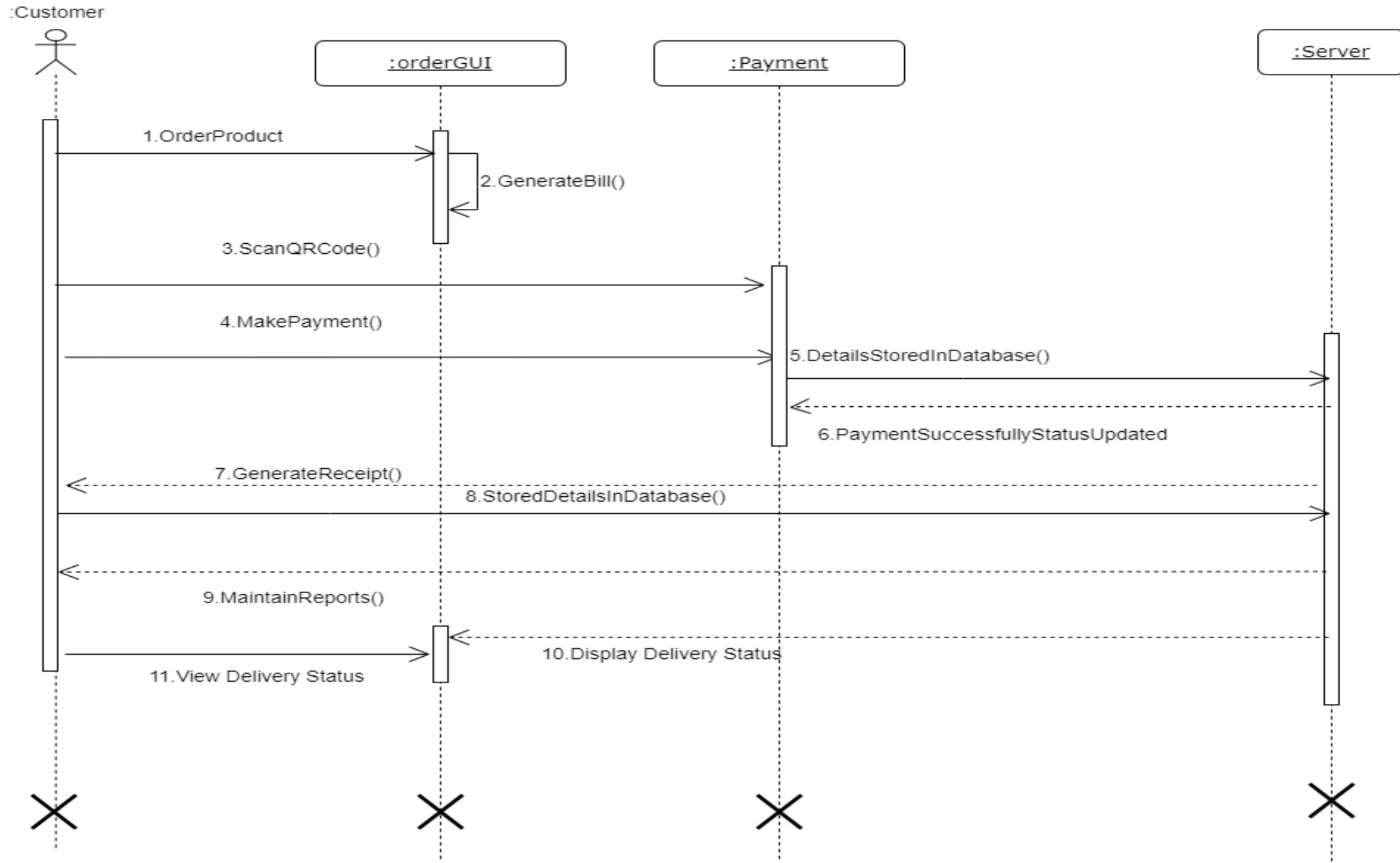
SEQUENCE DIAGRAM : MEASUREMENT MODULE



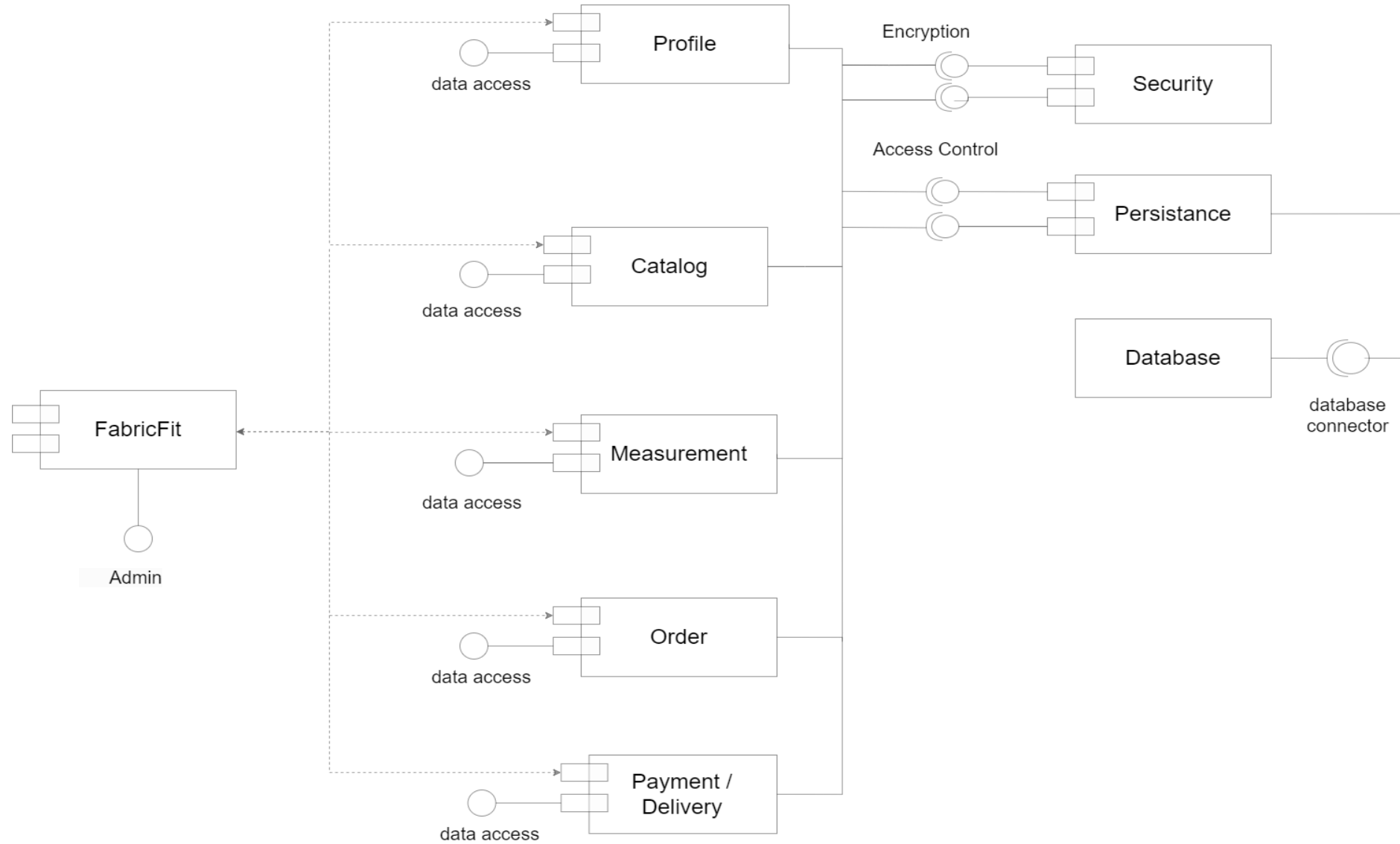
SEQUENCE DIAGRAM : ORDER MODULE



SEQUENCE DIAGRAM : PAYMENT/DELIVERY MODULE



COMPONENT DIAGRAM :



DATA DESIGN : ADMIN TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	a_id	8	Int	Admin Id	Primary Key
2	a_username	10	Varchar	Admin Username	Not Null
3	a_password	12	Varchar	Admin Password	Not Null
4	a_name	12	Varchar	Admin Name	Not Null
5	a_emailId	27	Varchar	Admin Email Id	Not Null
6	a_contactNo	11	Int	Admin Contact	Not Null

DATA DESIGN : CUSTOMER TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	c_id	8	Int	Customer Id	Primary Key
2	c_username	10	Varchar	Customer Username	Not Null
3	c_password	12	Varchar	Customer Password	Not Null
4	c_name	12	Varchar	Customer Name	Not Null
5	c_emailId	27	Varchar	Customer Email Id	Not Null
6	c_contactNo	11	Int	Customer Contact	Not Null
7	c_address	30	Varchar	Customer Address	Not Null

DATA DESIGN : TAILOR TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	t_id	8	Int	Tailor Id	Primary Key
2	t_username	10	Varchar	Tailor Username	Not Null
3	t_password	12	Varchar	Tailor Password	Not Null
4	t_TableNo	12	Int	Tailor Table No	Not Null
5	t_emailId	27	Varchar	Tailor Email Id	Not Null
6	t_contactNo	11	Int	Tailor Contact	Not Null
7	t_qrcode	1	int	Tailor QR code	Not Null

DATA DESIGN : CATALOG TABLE

Sr.no	Field name	Field size	Data type	Description	Constraint
1	p_id	8	Int	Product id	Primary key
2	t_id	8	Int	Tailor id	Foreign key
3	c_id	8	Int	Customer id	Foreign key
4	m_id	8	Int	measurement id	Foreign key
5	p_price	5	Varcher	Product Price	Not null
6	p_type	5	Varcher	Product type	Not null
7	p_quantity	10	Varcher	Product Quantity	Not null

DATA DESIGN : MEASUREMENT TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	m_id	8	Int	Measurement id	Primary key
2	c_id	8	Int	Customer id	Foreign key
3	p_id	8	Int	Product id	Foreign key
4	p_type	9	varcher	Product type	Not null
5	m_size	4	Int	Material size	Not null
6	m_fabric	10	Varcher	Material fabric	Not null

DATA DESIGN : ORDER TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	order_date	8	Int	order date	Not null
2	t_id	8	Int	Tailor id	Primary key
3	c_id	8	Int	Customer id	Foreign key
4	p_quality	10	Varcher	Product Quality	Not null
5	p_price	5	Int	Product Price	Not null
6	c_distance	10	Varcher	Customer Distance	Not null
7	c_address	30	Varcher	Customer Address	Not null
8	p_id	8	Int	Product id	Foreign key
9	o_id	8	Int	Order id	Foreign key

DATA DESIGN : PAYMENT/DELIVERY TABLE

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	delivery_status	10	Varcher	Delivery Status	Not null
2	p_date	8	Int	Produst Date	Not null
3	Total_bill	5	Int	Total Bill	Not null
4	c_address	30	Varcher	Customer Address	Not null
5	p_id	8	Int	Product id	Primary key
6	o_id	8	Int	Order id	Foreign key
7	c_id	8	Int	Customer id	Foreign key
8	d_id	8	Int	Delivery id	Foreign key

DATA DICTIONARY

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
1	a_contactNo	11	Int	Admin contact	Not null
2	a_emailId	27	varchar	Admin email	Not null
3	a_id	8	Int	Admin id	Primary key
4	a_name	12	varchar	Admin name	Not null
5	a_password	12	varchar	Admin password	Not null
6	a_username	10	varchar	Admin username	Not null
7	c_address	10	varchar	Customer Address	Not null
8	c_address	30	Varcher	Customer Address	Not null
9	c_address	30	Varcher	Customer Address	Not null
10	c_contactNo	11	Int	Customer contact	Not null
11	c_distance	10	Varcher	Customer Distance	Not null
12	c_emailId	27	varchar	Customer email	Not null
13	c_id	8	Int	Customer id	Primary key
14	c_id	8	Int	Customer id	Foreign key
15	c_id	8	Int	Customer id	Foreign key
16	c_id	8	Int	Customer id	Foreign key
17	c_id	8	Int	Customer id	Foreign key
18	c_name	12	varchar	Customer name	Not null

DATA DICTIONARY

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
19	c_password	12	varchar	Customer password	Not null
20	c_username	10	varchar	Customer username	Not null
21	d_id	8	Int	Delivery id	Foreign key
22	delivery_status	10	Varcher	Delivery Status	Not null
23	m_fabric	12	Varcher	Measurement fabric	Not null
24	m_id	8	Int	Measurement id	Primary key
25	m_id	8	Int	measurement id	Foreign key
26	m_size	10	Int	Measurement size	Not null
27	o_id	8	Int	Order id	Foreign key
28	o_id	8	Int	Order id	Foreign key
29	order_date	8	Int	order date	Not null
30	p_date	8	Int	Produst Date	Not null
31	p_id	8	Int	Product id	Foreign key
32	p_id	8	Int	Product id	Foreign key
33	p_id	8	Int	Product id	Primary key
34	p_id	8	Int	Product id	Primary key
35	p_price	5	Int	Product Price	Not null
36	p_price	5	Varcher	Product Price	Not null

DATA DICTIONARY

Sr.no	Field Name	Field Size	Data Type	Description	Constraints
37	p_quality	10	Varcher	Product Quality	Not null
38	p_quantity	10	Varcher	Product Quantity	Not null
39	p_type	9	varcher	Product type	Not null
40	p_type	5	Varcher	Product type	Not null
41	t_contactNo	11	Int	Tailor contact	Not null
42	t_emailId	27	varchar	Tailor email	Not null
43	t_id	8	Int	Tailor id	Primary key
44	t_id	8	Int	Tailor id	Primary key
45	t_id	8	Int	Tailor id	Foreign key
46	t_password	12	varchar	Tailor password	Not null
47	t_qrcode	1	varchar	Tailor QR Code	Foreign key
48	t_TableNo	12	Int	Tailor name	Not null
49	t_username	10	varchar	Tailor username	Not null
50	Total_bill	5	Int	Total Bill	Not null

THANK YOU