Workflow Diagram Visual Representation
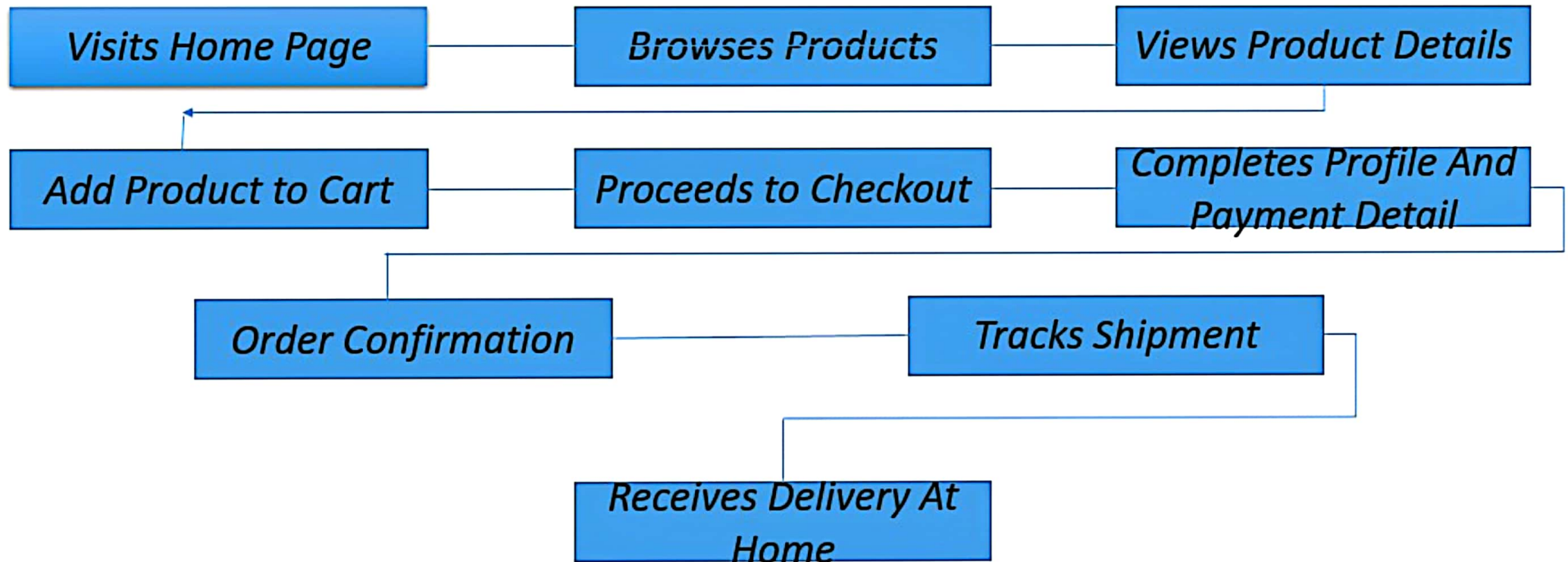
Frontend Requirements Flowchart

start

Customer → Admin

Register — No — Login

Login — yes — Search products, View Products, Add To Cart, Orders
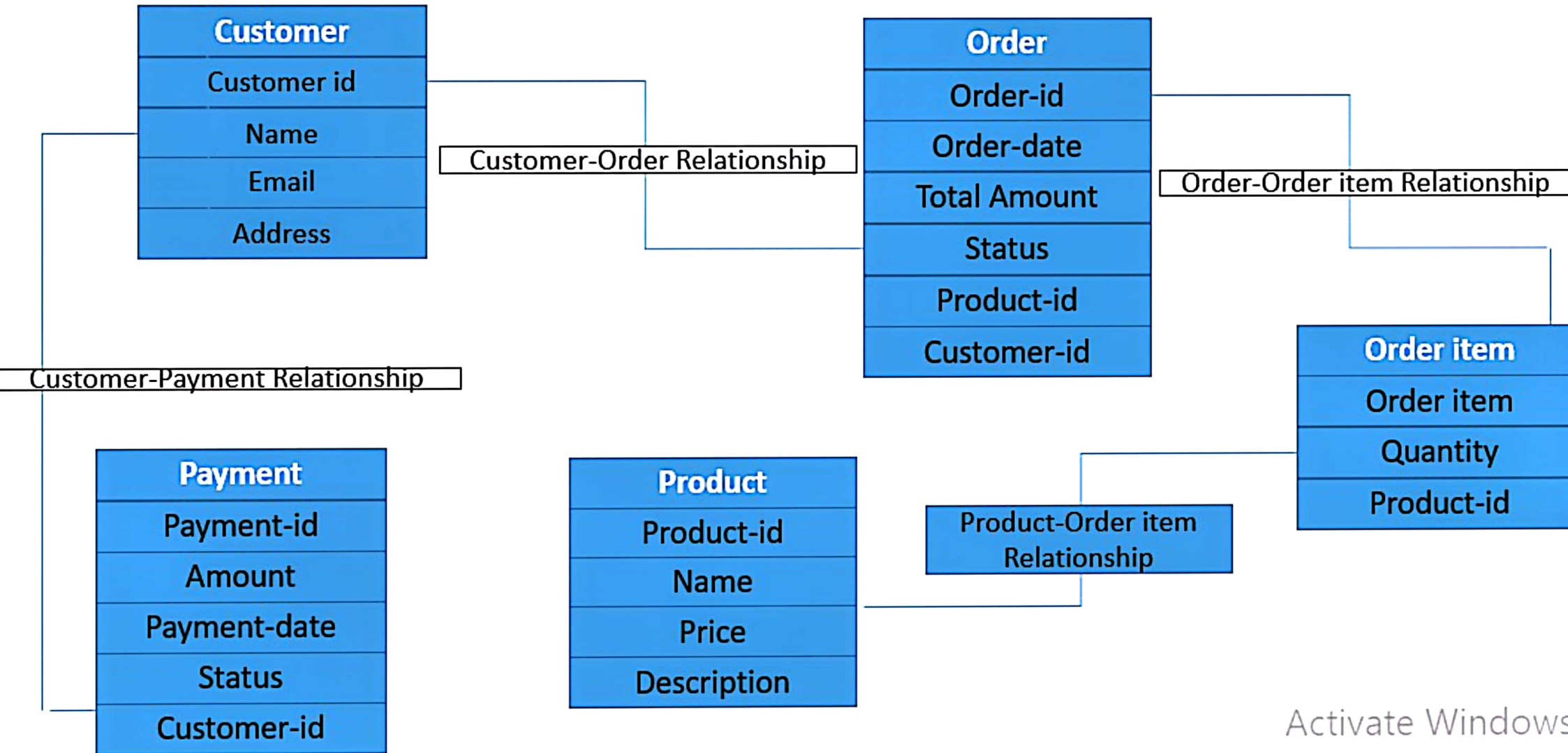
Orders — No
Bill — yes — Order Placed

Login — yes — Add Category, Add Products, Manage Order, Manage Bill

Multiple Reports
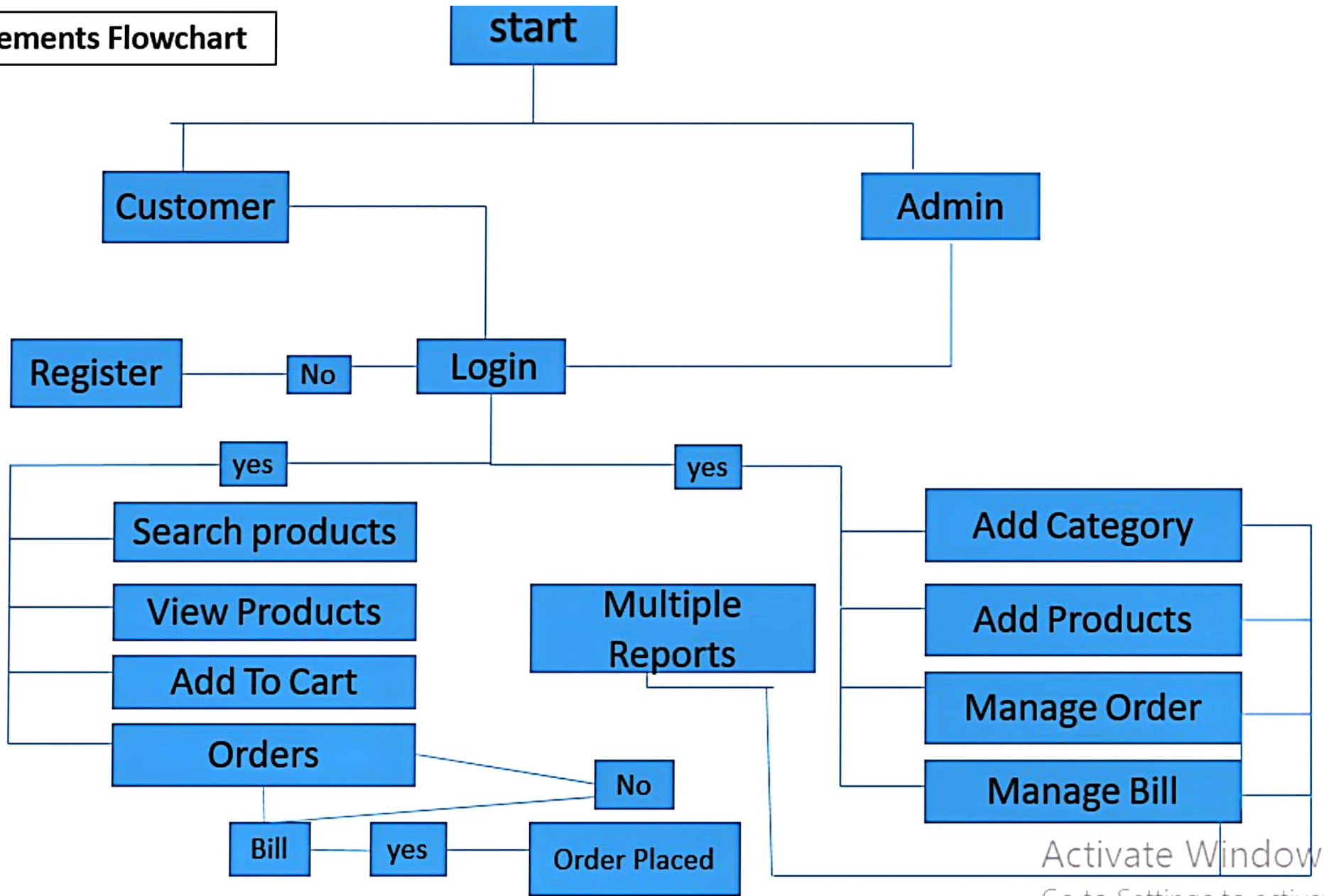
ER Diagram for Ecommerce Project

Customer
- Customer id
- Name
- Email
- Address

Order
- Order-id
- Order-date
- Total Amount
- Status
- Product-id
- Customer-id

Customer-Order Relationship

Order-Order item Relationship

Order item
- Order item
- Quantity
- Product-id

Customer-Payment Relationship

Payment
- Payment-id
- Amount
- Payment-date
- Status
- Customer-id

Product
- Product-id
- Name
- Price
- Description

Product-Order item Relationship

Design System Architecture

Ecommerce site

Start → Search the Product → Select the Product → Would you like to rent this Car

Would you like to rent this Car —No→ Add to Cart → End

Would you like to rent this Car —yes→

Placing the order

COD option —No→ Do you have a account —No→ Select credit or debit card option

Make a Rent → Add Card details → Select credit or debit card option

Shipping the order

Make a Rent → On the way → Deliver the Car → End

Deliver the Car → Collect Payment → End
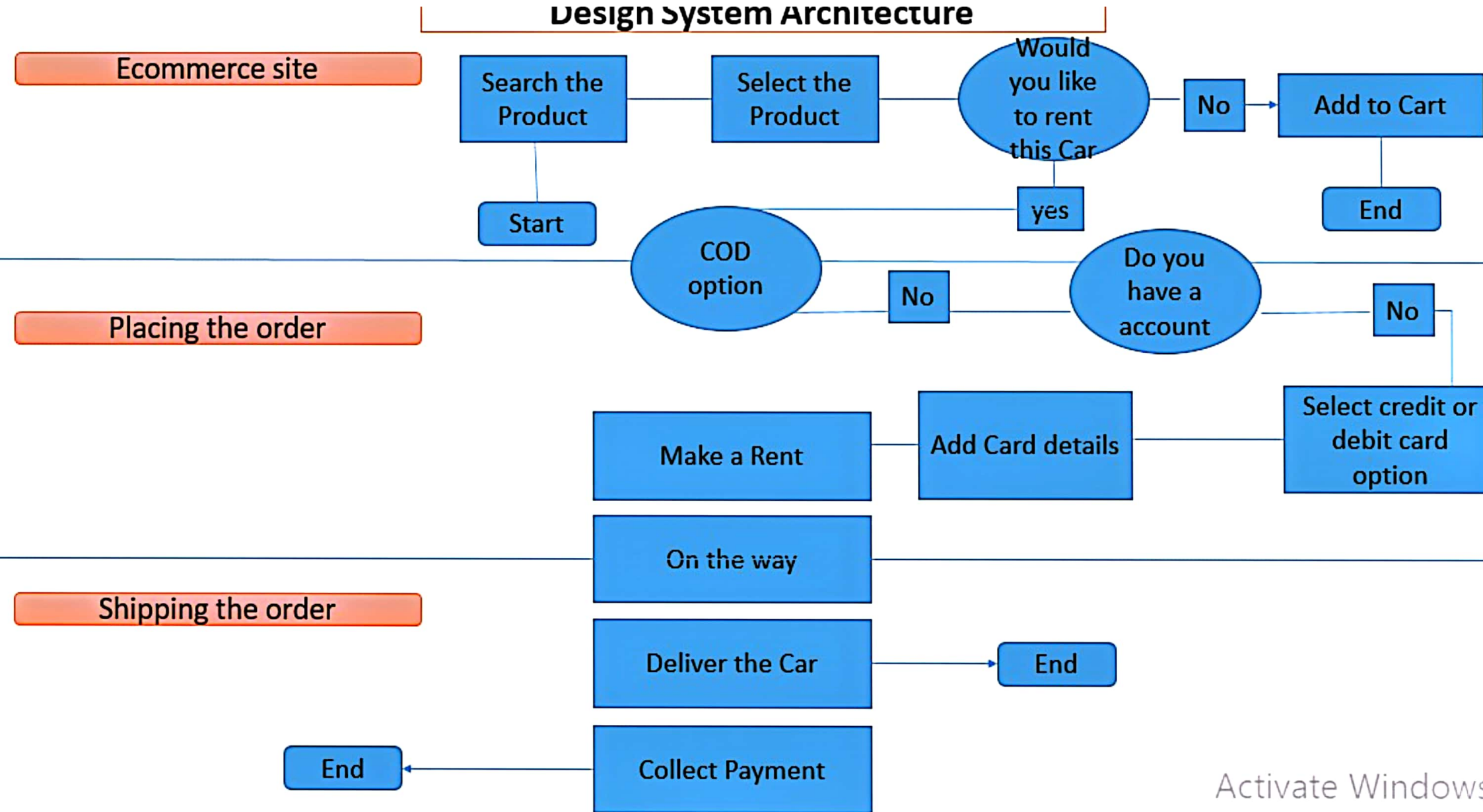
API End Points

Endpoints	Method	Description	Response
/Products	GET	Fetch all available	{"id":"123","name": "Product A", "Price":10; }
/Orders	Post	Create a new order	{"order id": "ORD986", "status": "Success" }
/Shipment Status	GET	Track order status	{"Shipment Id", "SHIP789" "order Id":, "ORD986", }

```
export default {
  name: "Product"
  type: "document"
  title: "Product",
  field: 1
{
  name: "id",
  type: "string",
  title: "ID"
 }
  name:"name",
  type: "string",
  title: "ProductName",
  }
{
  name: "Price",
  type: "number"
  title: "Price",
   }
{
  name: "image",
  type: "image",
  title: "image",
}
{
name: "detail",s
type: "string",
title: "Detail",
},
```

```
export default (
  name: "payment",
  type: "amunt",
  title: "Payment",
  fields: 1
  {
   name: "id",
   type: "number"
   title: "ID",
   }
   {
   name: "name",
   type: "string",
    title: "Payment name",
   }
  {
   name: "Price",
   type: "number",
   title: "Price",
   }

export default (
  name: "order",
  type: "string",
  title: "order",
  fields: 1
  {
   name: "id",
   type: "string",
   title: "ID",
  }
  {
   name: "name",
   type: "string",
```

```
export default (
  name: "order",
  type: "string",
  title: "order",
 fields: 1
[
[
  name: "id",
  type: "string",
  title: "ID",

}
[
[
  name: "name",
  type: "string",
  title: "Order name",
  }
[
[
   name: "Price",
   type: "number",
   title: "Price",

}
[
[
  name: "image",
   type: "image",
  title: "image",

}
[
[
  name: "detail",
  type: "string",
  title: "Detail",
},
```