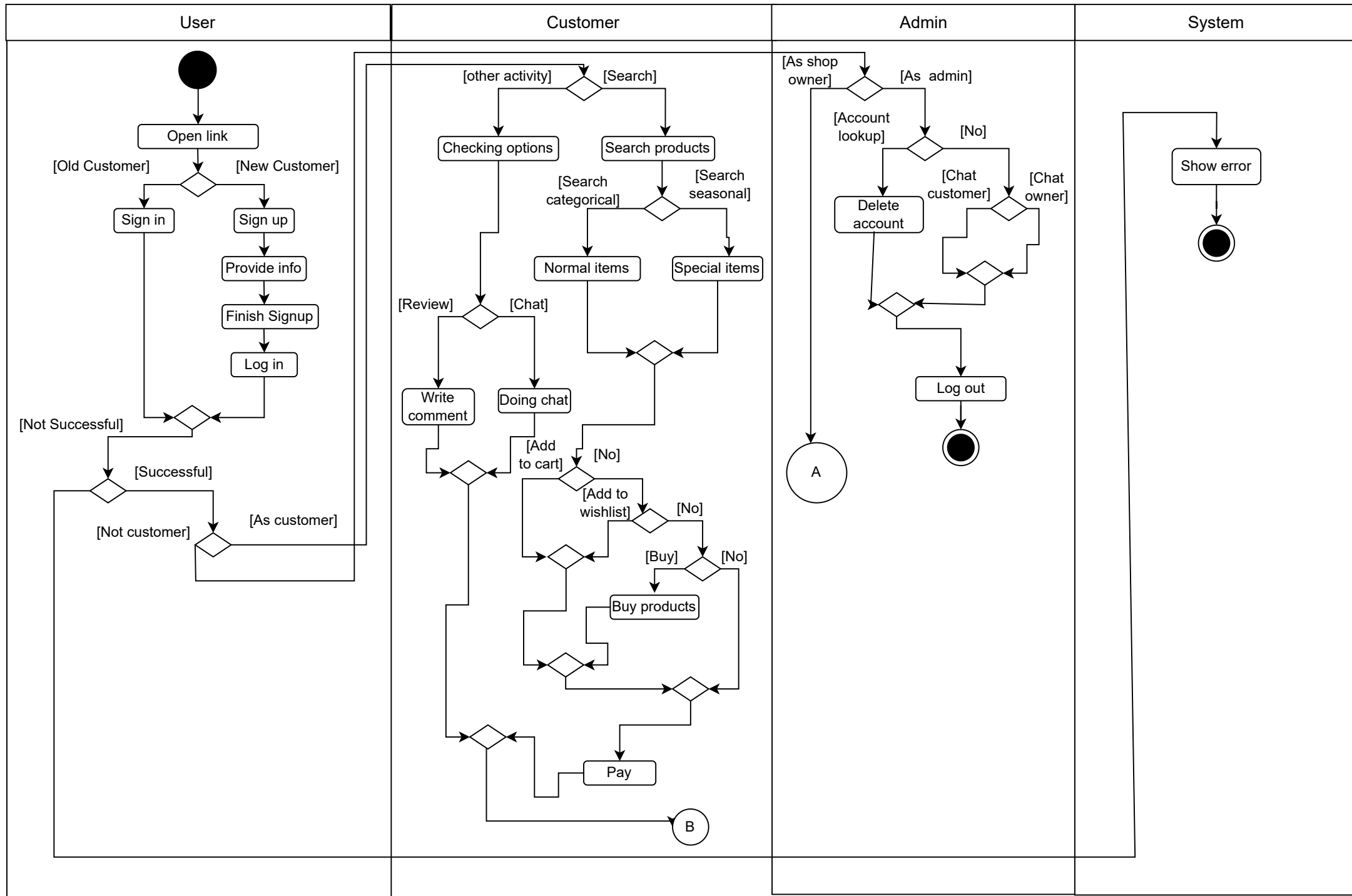


Activity diagram for Users and customers



```

    graph TD
      subgraph Shop_owner [Shop owner]
        A((A)) --> D1{ }
        D1 -- "[Others]" --> D2{ }
        D1 -- "[Handle products]" --> AddProducts[Add products]
        AddProducts --> AddPhoto[Add photo]
        AddPhoto --> SetPrice[Set price]
        SetPrice --> D3{ }
        D2 -- "[Give discounts]" --> D3
        D2 -- "[Edit products]" --> D4{ }
        D4 -- "[Add seasonal items]" --> D5{ }
        D5 --> D6{ }
        D6 -- "[Chat]" --> ChatCustomers[Chat customers]
        ChatCustomers --> ChatAdmin[Chat Admin]
        ChatAdmin --> D7{ }
        D6 -- "[Confirm orders]" --> D7
        D7 --> D8{ }
        D8 --> D9{ }
        D9 --> Logout1[Log out]
        Logout1 --> End1((( )))
      end

      subgraph Customer
        B((B)) --> D10{ }
        D10 -- "[Online]" --> D11{ }
        D10 -- "[Offline]" --> COD[Cash on delivery]
        D11 -- "[card]" --> Payment[payment]
        D11 -- "[Mobile banking]" --> D12{ }
        D12 -- "[Bkash]" --> D13{ }
        D12 -- "[Rocket]" --> D13
        D13 --> D14{ }
        Payment --> D14
        COD --> D15{ }
        D14 --> D15
        D15 --> Verification[Verification]
        Verification --> GetRewards[Get rewards]
        GetRewards --> Logout2[Log out]
        Logout2 --> End2((( )))
      end

      Shop_owner --> Customer
      Shop_owner --> Payment_gateway
  
```

The diagram illustrates the workflow for a Shop owner, a Customer, and a payment gateway. The Shop owner's process starts with a start node 'A', leading to a decision diamond. From this diamond, the flow branches into '[Others]' (leading to another decision diamond) and '[Handle products]' (leading to 'Add products', 'Add photo', and 'Set price'). The '[Others]' branch further splits into '[Give discounts]' and '[Edit products]'. '[Give discounts]' leads to a decision diamond that branches into '[Add seasonal items]' and '[Confirm orders]'. '[Edit products]' leads to a decision diamond that branches into '[Chat]' and '[Add seasonal items]'. '[Chat]' leads to 'Chat customers', then 'Chat Admin', and finally to a decision diamond. '[Confirm orders]' leads to a decision diamond. Both '[Chat]' and '[Confirm orders]' paths lead to a common decision diamond, which then leads to 'Log out' and finally to the end node. The Customer's process starts with a start node 'B', leading to a decision diamond. From this diamond, the flow branches into '[Online]' (leading to another decision diamond) and '[Offline]' (leading to 'Cash on delivery'). The '[Online]' branch further splits into '[card]' (leading to 'payment') and '[Mobile banking]' (leading to a decision diamond). The '[Mobile banking]' branch further splits into '[Bkash]' and '[Rocket]', both leading to a common decision diamond. Both '[card]' and '[Mobile banking]' paths lead to a common decision diamond, which then leads to a decision diamond. This diamond leads to 'Verification', 'Get rewards', and 'Log out', finally reaching the end node. The payment gateway's process is represented by a single 'Verification' activity, which is connected to the Customer's process.

