

**ORCHID FLOWER TRADING AND AUCTION PLATFORM**

**Software Design Document**

– Ho Chi Minh, February 2024 –

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# I. Record of Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
| 10/1/2024 | A | PhongTT, BaoND, NamTN | Activity Diagram |
| 31/1/2024 | A | PhongTT | State Diagram |
| 26/2/2024 | A | PhongTT | Sequence Diagram |
| 10/3/2024 | M | PhongTT CatLD, NguyenTPP | Sequence Diagram |
| 15/3/2024 | M | PhongTT | State Diagram |
| 20/3/2024 | M | BaoND | Class Diagram |
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|  |  |  |  |

\*A - Added M - Modified D - Deleted

# II. Software Design Document

## 1. System Design

**A diagram of a company

Description automatically generated with medium confidence1.1 Class Diagram**

**1.2 State machine diagram**

**1.2.1 Order**

**A diagram of a customer service

Description automatically generated**

**1.2.2 Task**

**A diagram of a work process

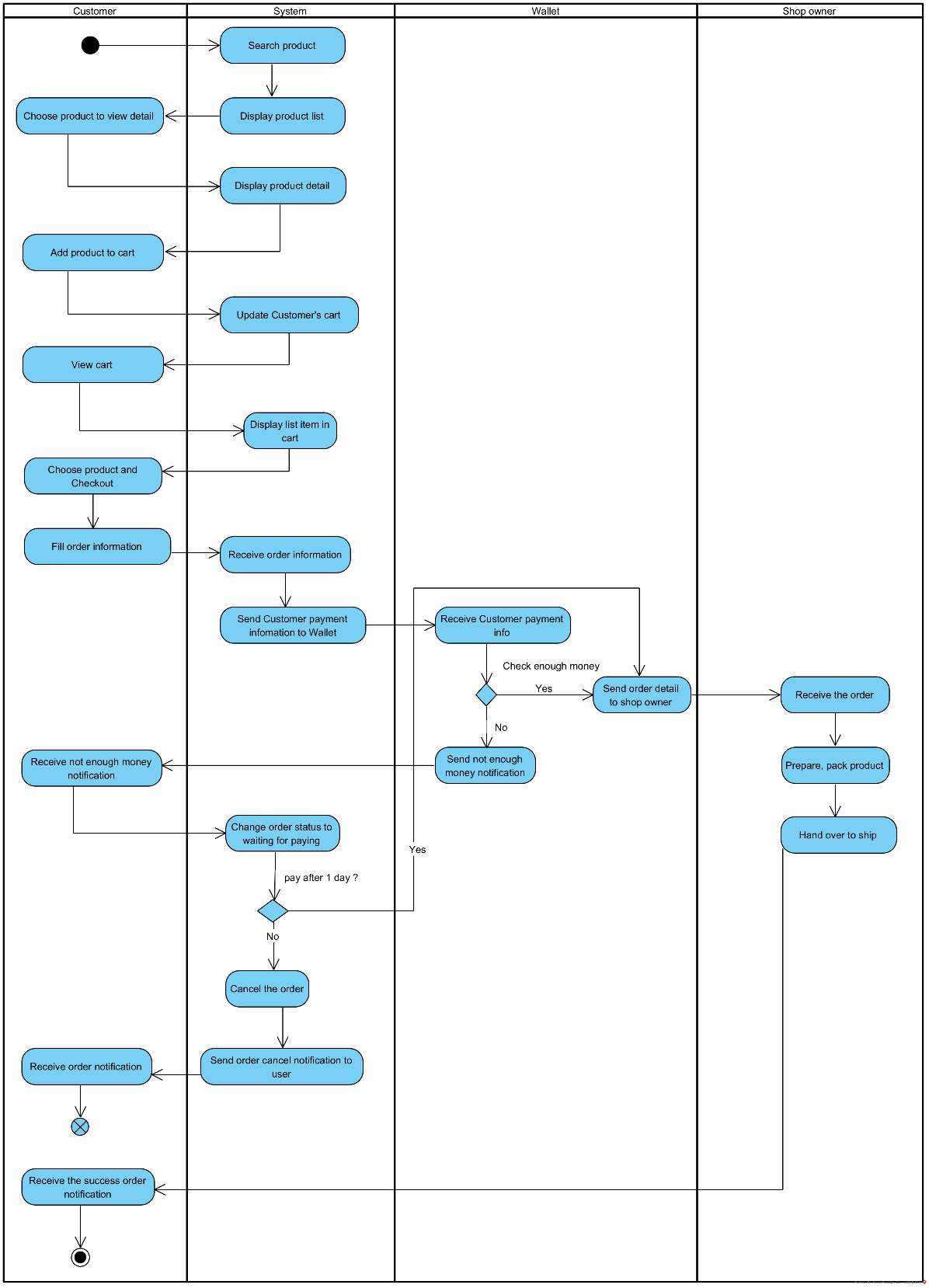
Description automatically generated**

**1.2.3 Product**

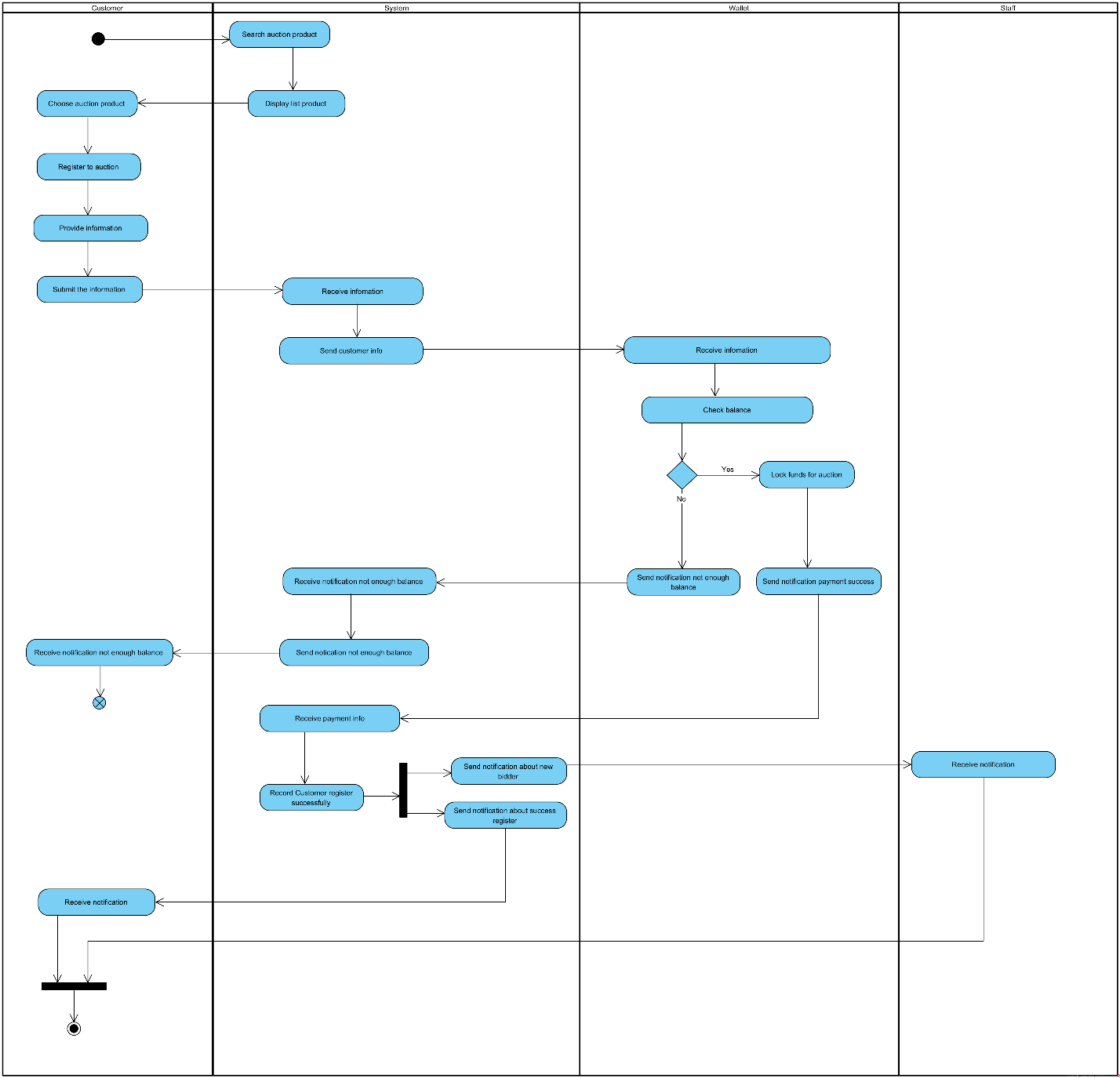
A diagram of a product

Description automatically generated

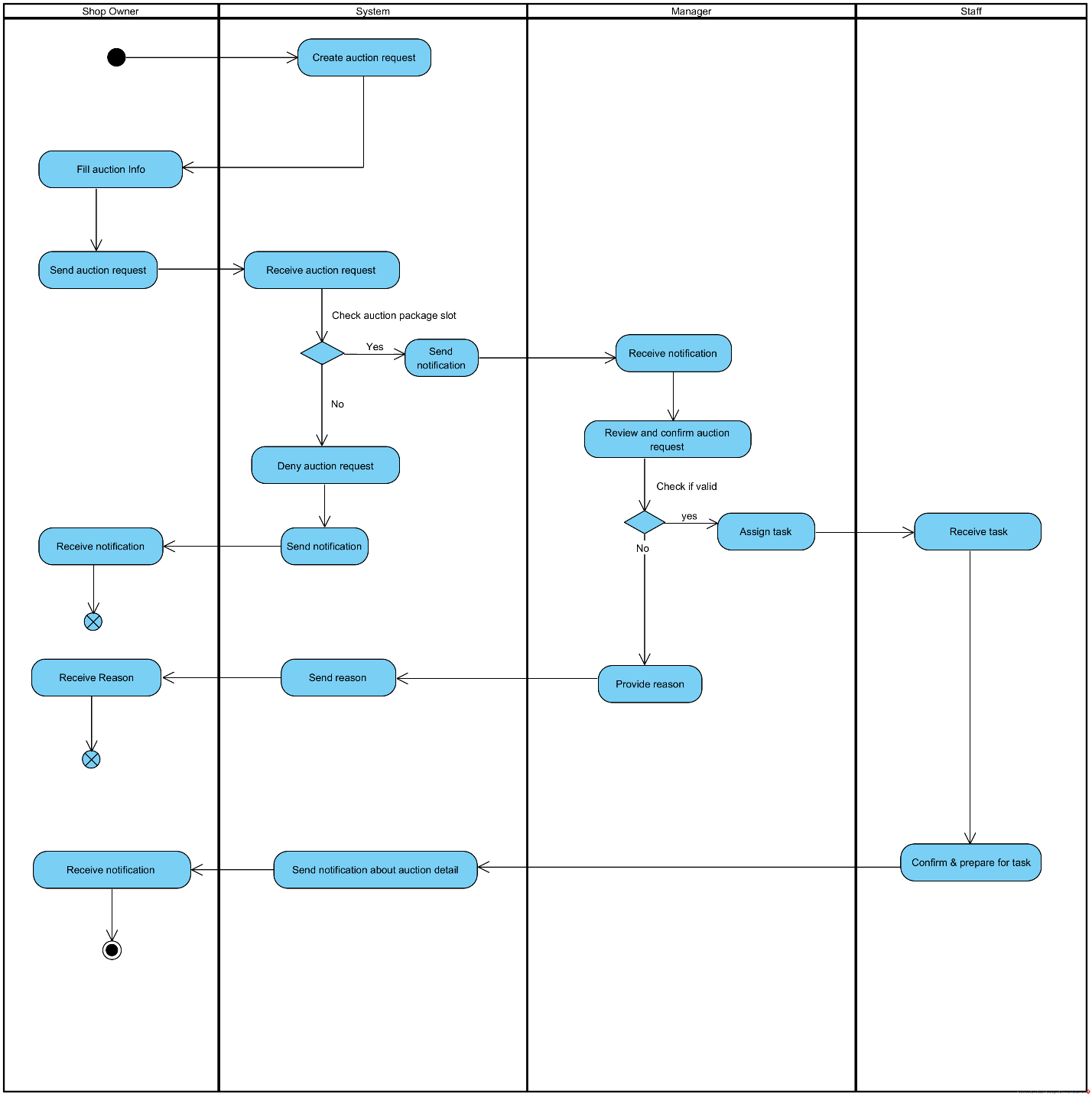
**2. Activity Diagram**

**2.1 Buy Product**

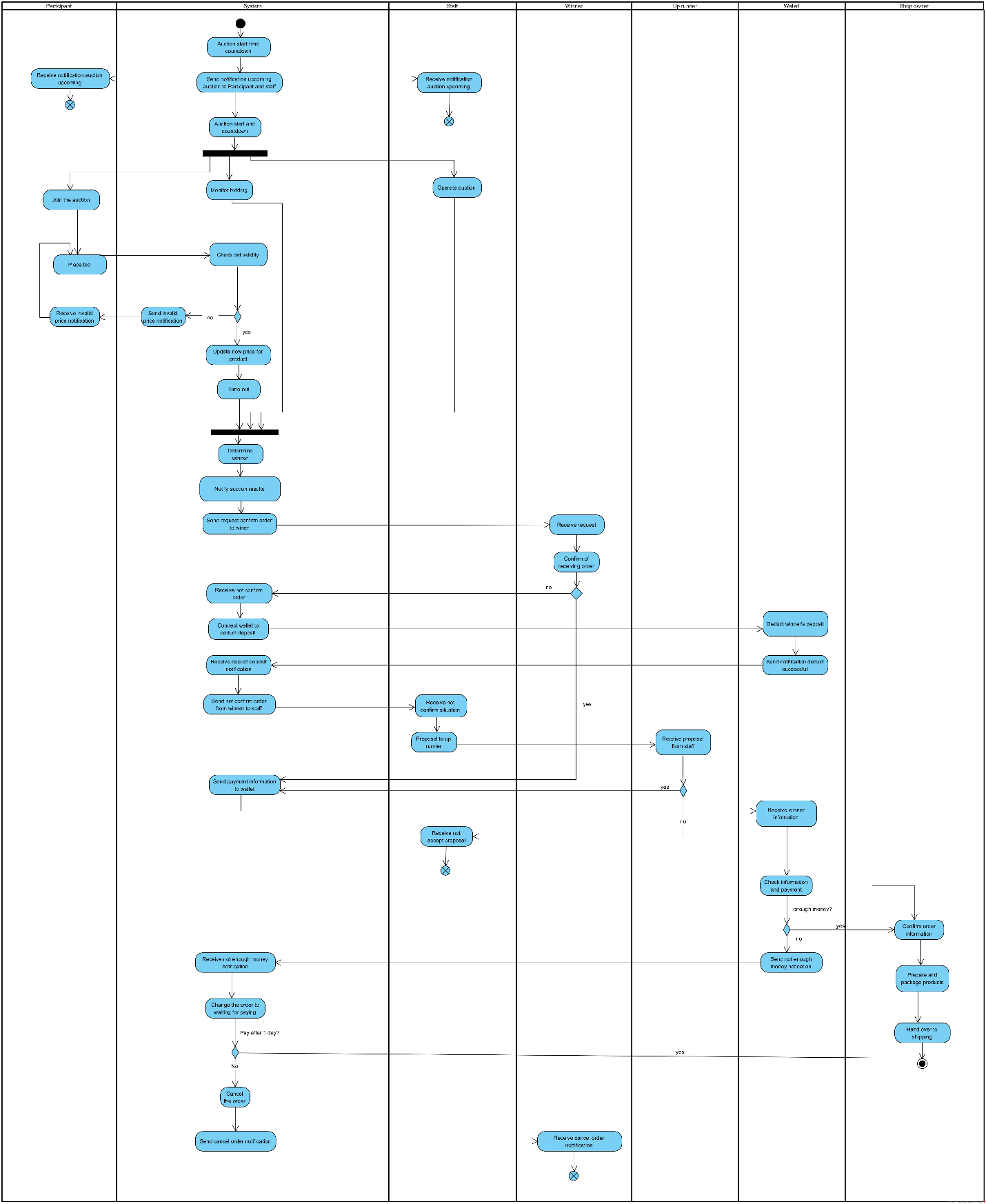
**2.2 Register to Auction product**

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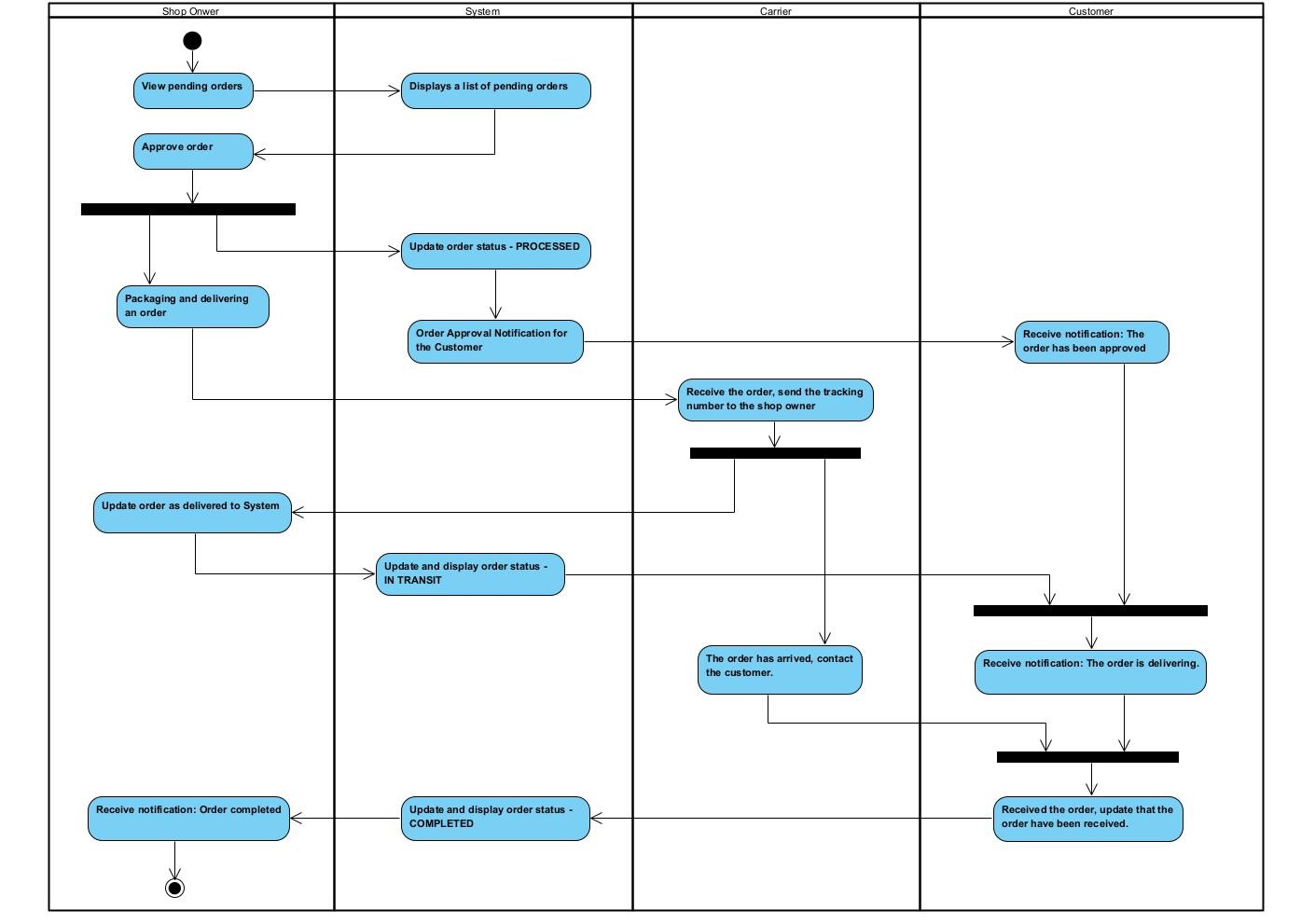
**2.3 Request Auction**

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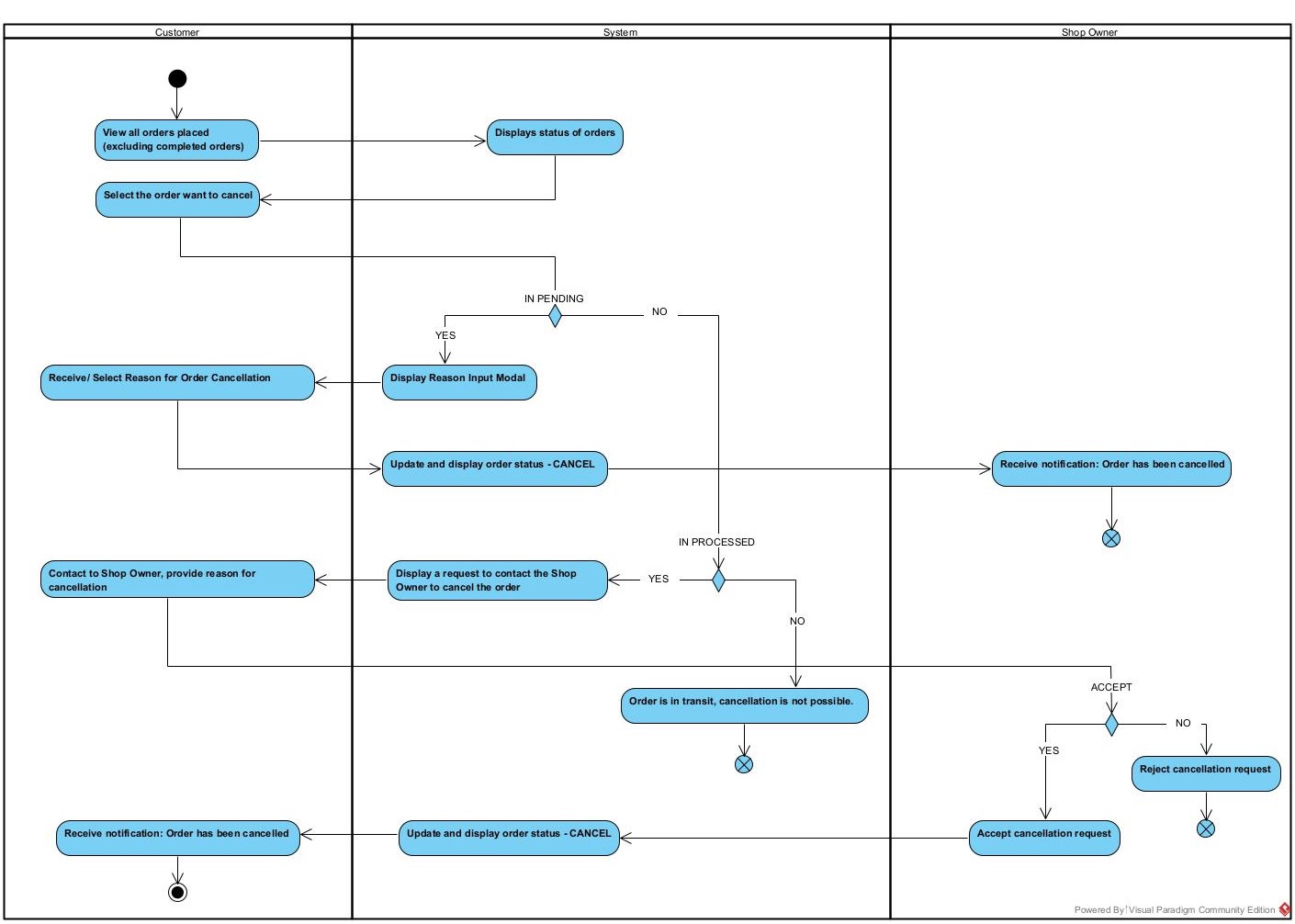
**2.4 Auction Product**

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**2.5 Shipping Process**

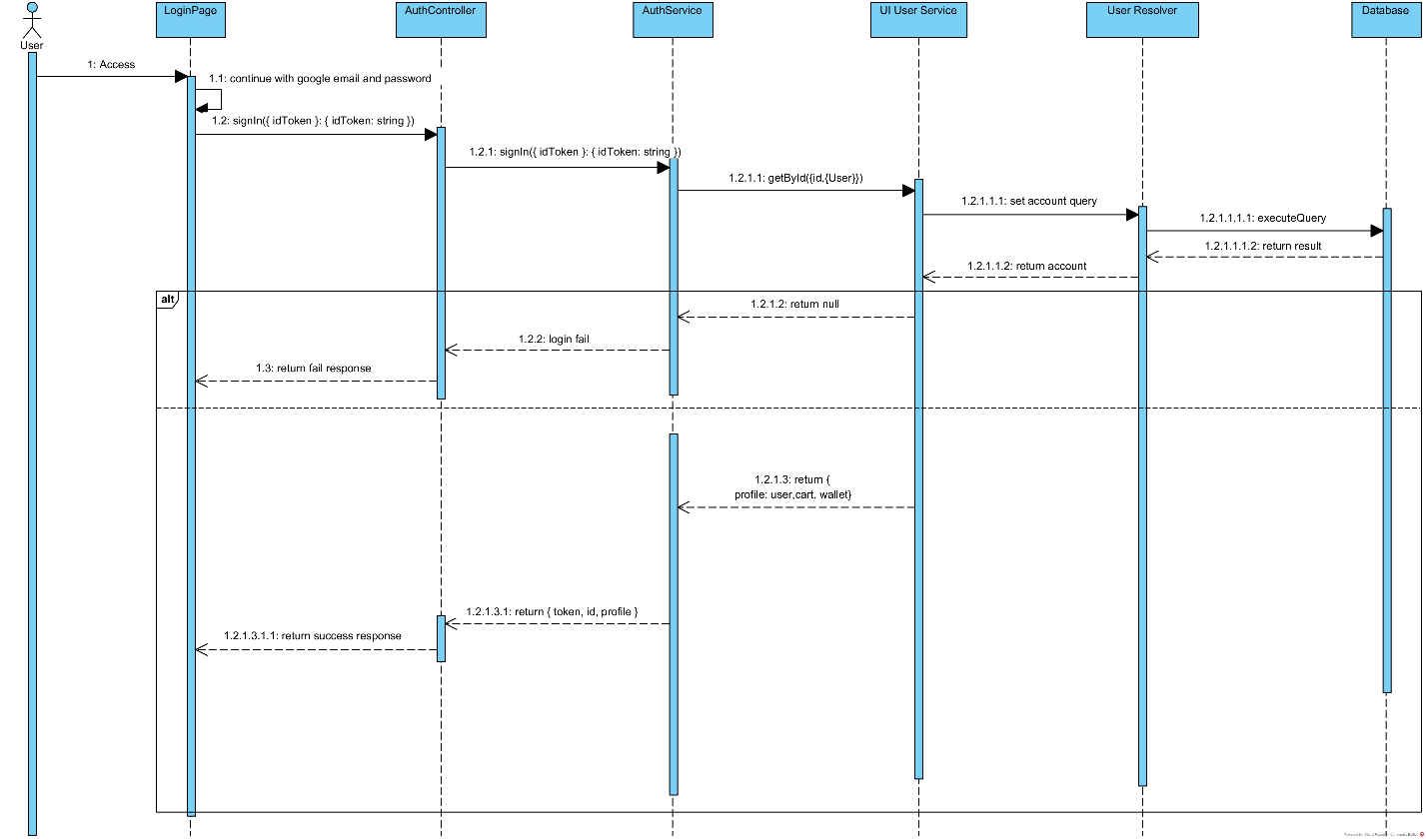
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**2.6 Refund Process**

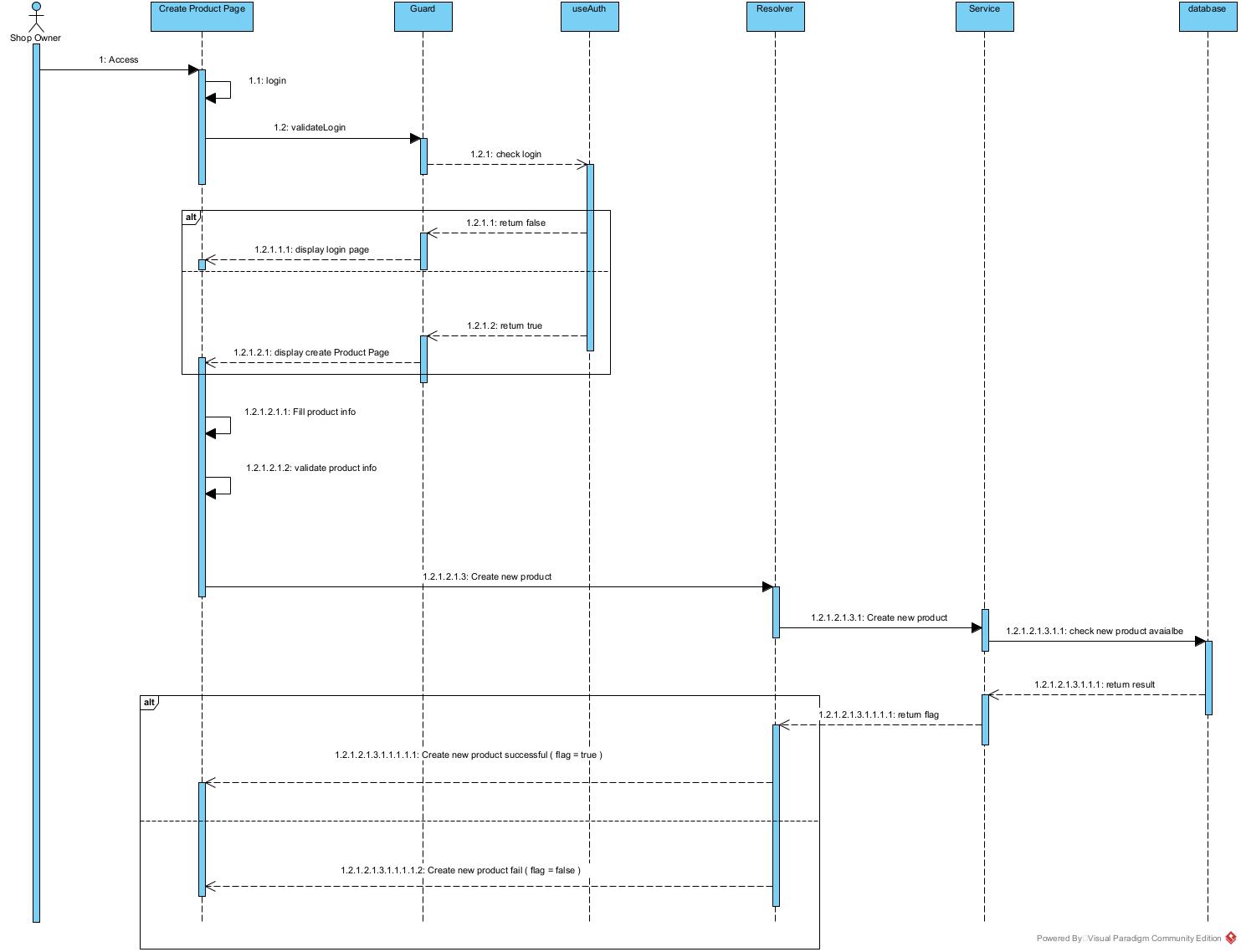
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**3.Sequence Diagram**

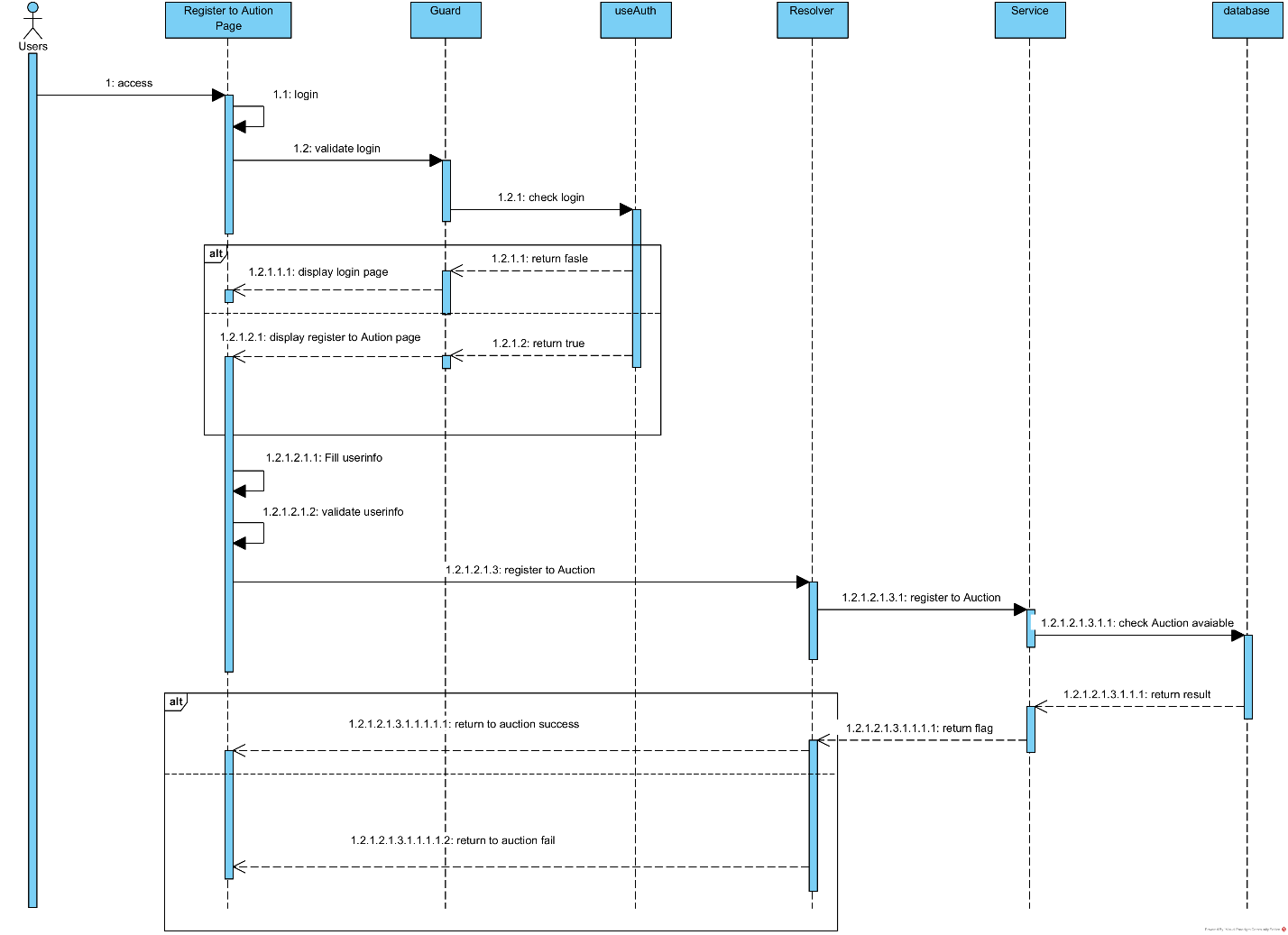
**3.1 Login**

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**3.2 Create Product**

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**3.3 Register to Participate in Auction**

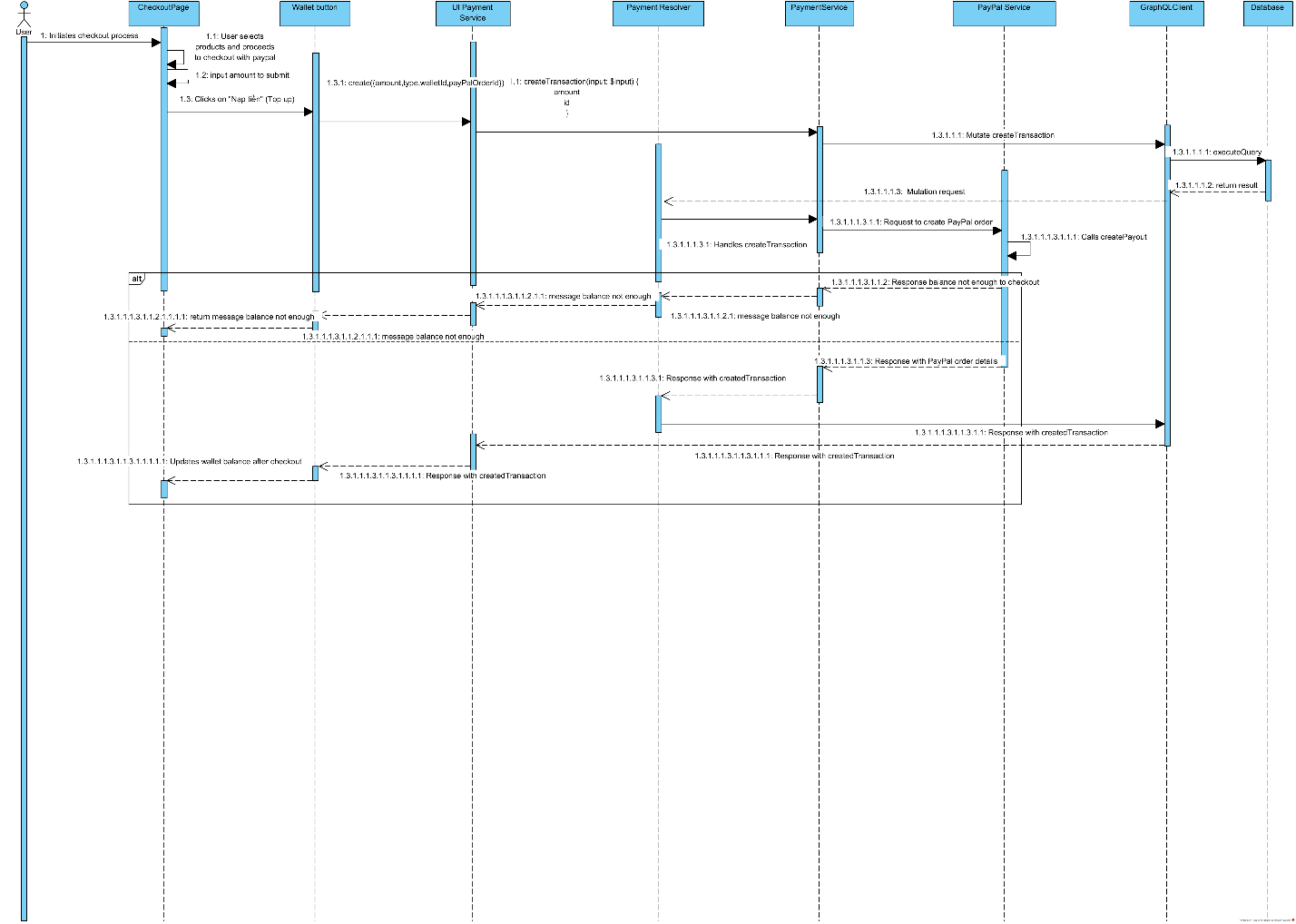
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**3.4 Bidding**

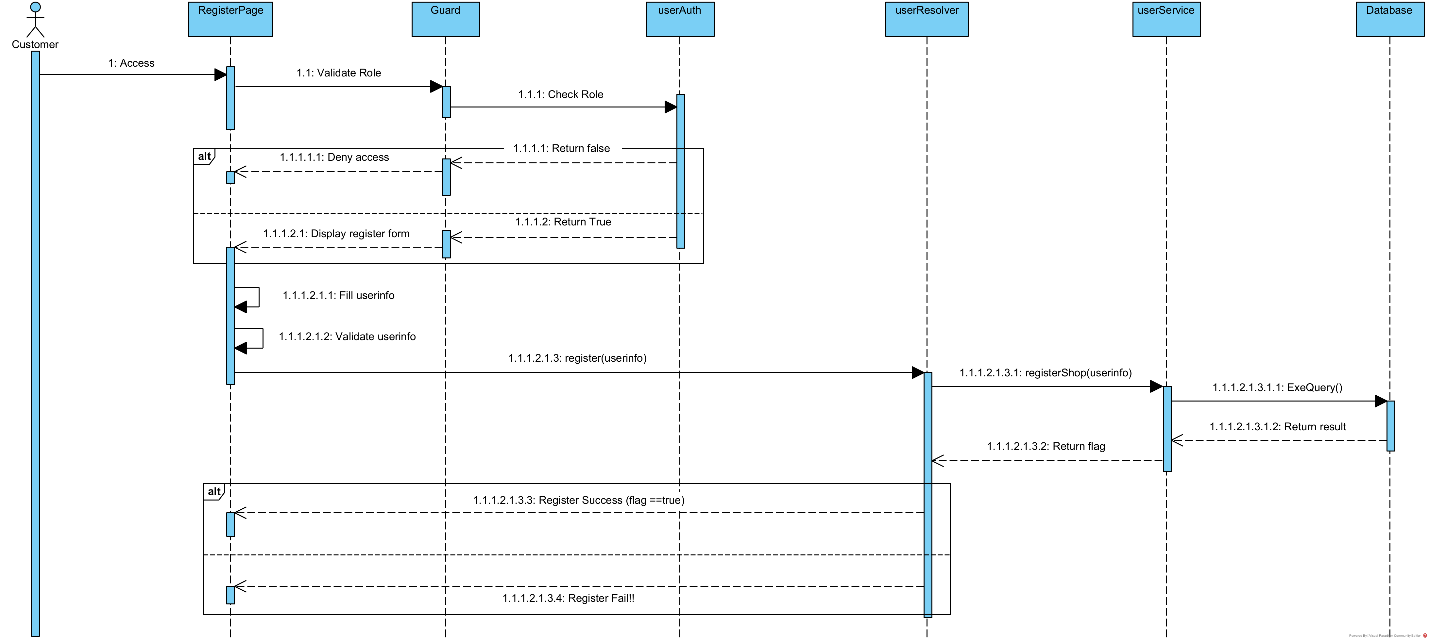
**A diagram of a diagram

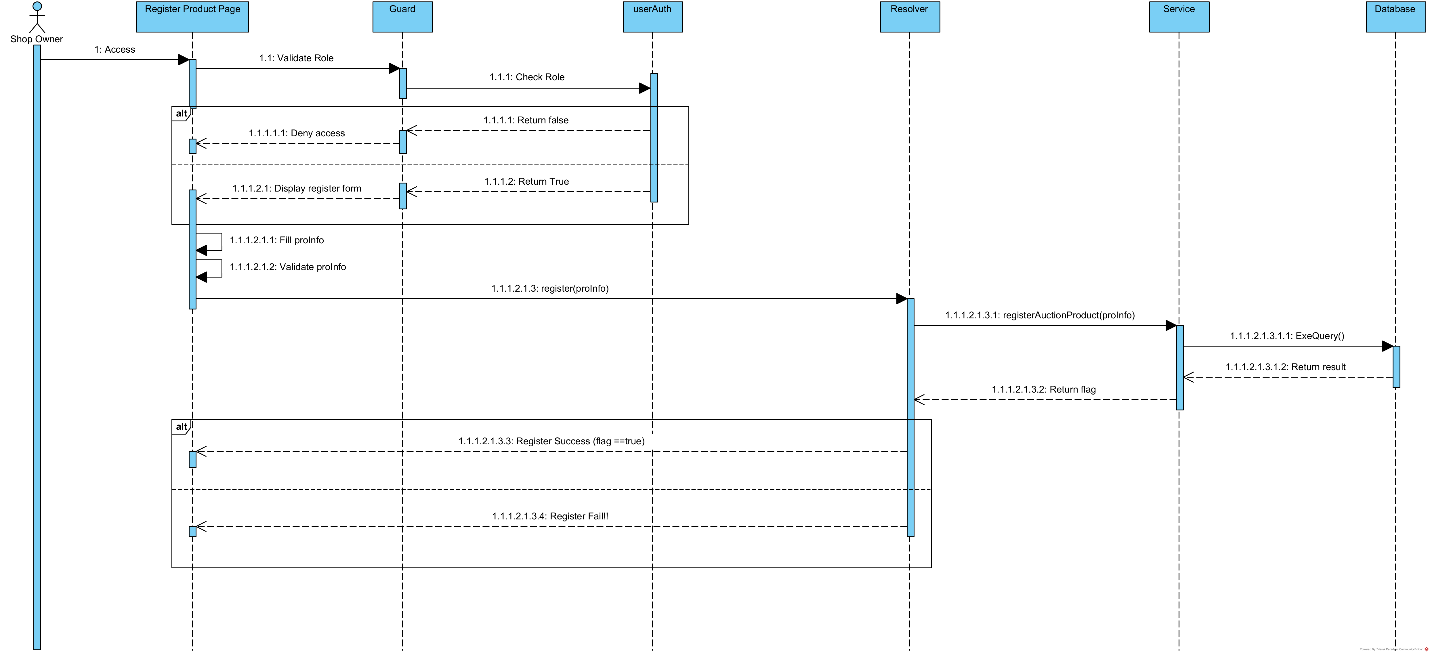
Description automatically generated with medium confidence**

**3.5 Buy Product**

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**3.6 Register as Shop Ownner**

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**3.7 Register Product to Auction**