Figure 1: System UML Diagram

```
                    ●

          ┌─────────────────────┐
          │ User logs in or creates an │
          │       account        │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
          │  User searches for NFTs  │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
          │ User browses NFT listings │
          │   and views details  │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
          │ User selects an NFT to │◄───────────────┐
          │      purchase        │                │
          └─────────────────────┘                │
                    │                            │
                    ▼                  ┌─────────────────────┐
          ┌─────────────────────┐      │ Transaction or ownership not │
          │ User completes the   │      │ verified, transaction cancelled │
          │ transaction using supported │   └─────────────────────┘
          │    cryptocurrency    │                ▲
          └─────────────────────┘                │
                    │                            │
                    ▼                            │
               ╱─────────╲                       │
              ╱ Platform verifies the ╲    no     │
             ╱  transaction and the    ╲─────────┘
             ╲    NFT ownership        ╱
              ╲─────────────────────╱
                    │ yes
                    ▼
          ┌─────────────────────┐
          │ Transaction and ownership │
          │  verified successfully │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
          │ Platform sends the NFT to the │
          │     user's wallet    │
          └─────────────────────┘
                    │
                    ▼
          ┌─────────────────────┐
          │ User can view and manage │
          │  their NFT collection │
          └─────────────────────┘
                    │
                    ▼
                   ◉
```