

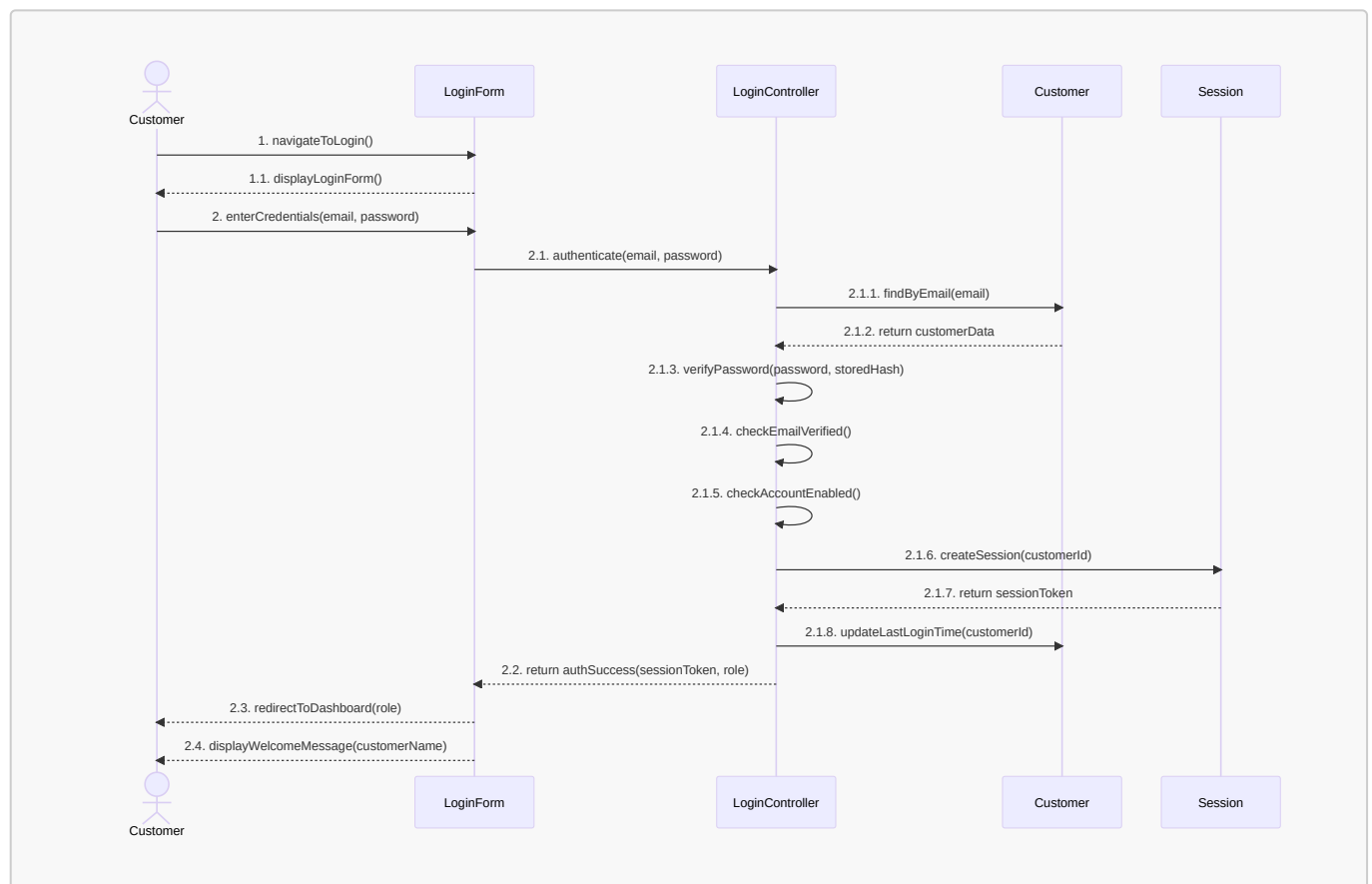
CardHub: Sequence Diagrams

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This guy in the lecture slides was so funny to me that I just had to include him here.

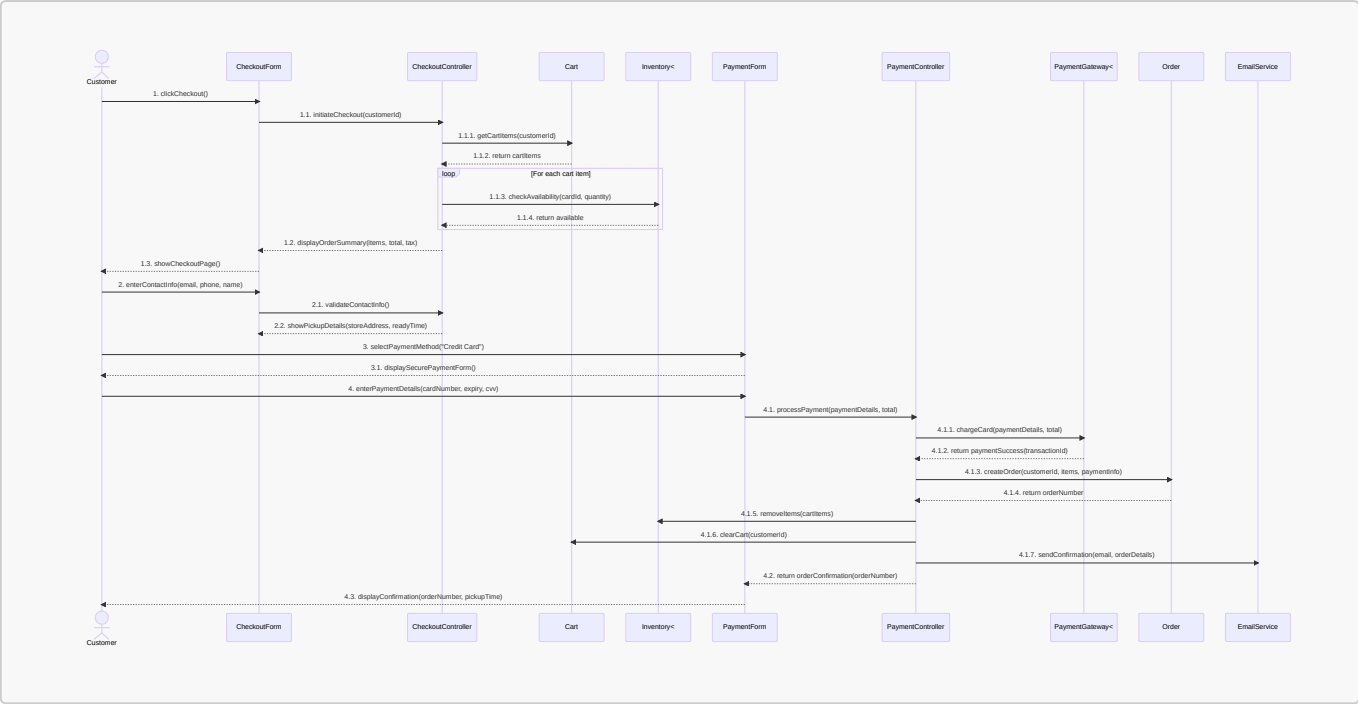


Customer Login



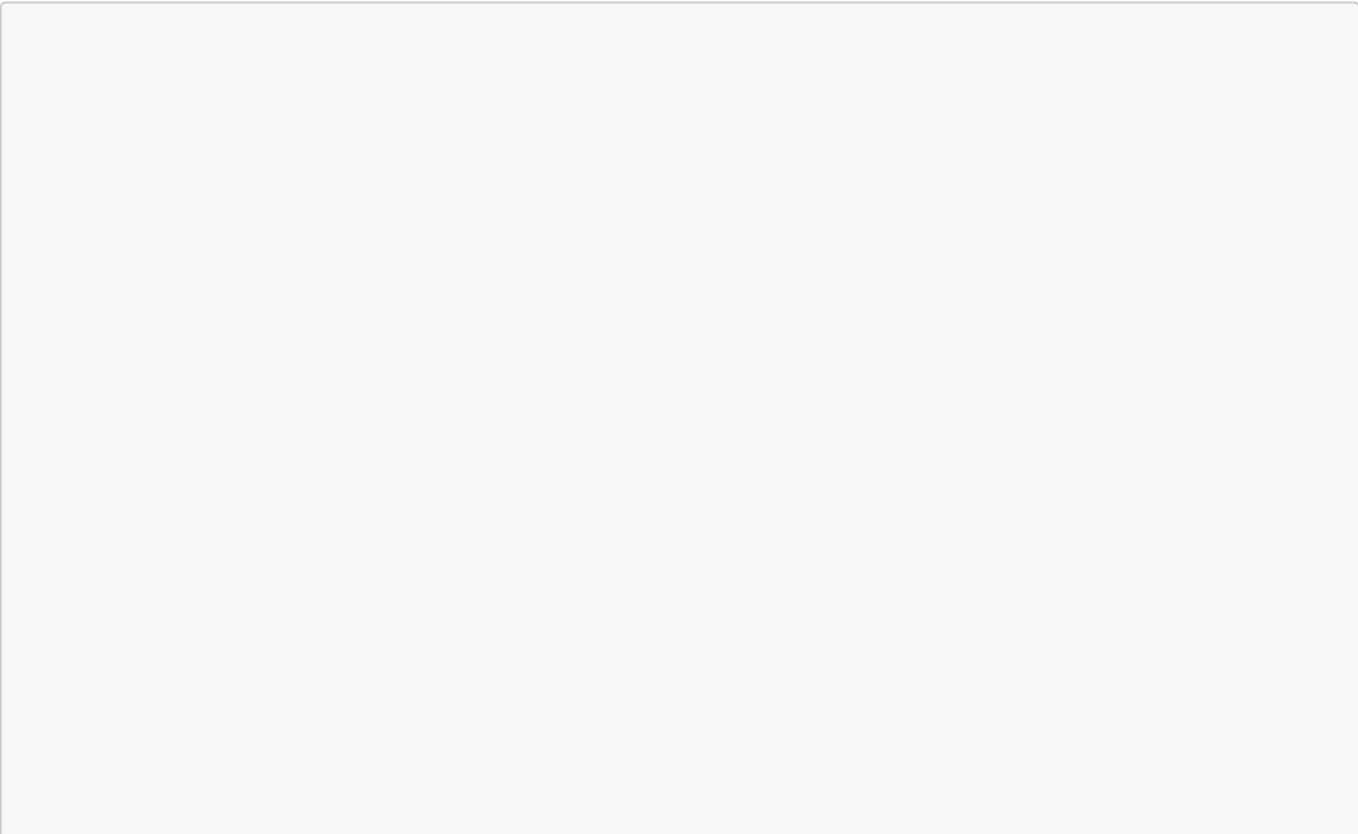
1. Customer navigates to the login page
2. Customer enters email and password
3. LoginController validates credentials against Customer entity
4. Session is created and stored
5. Customer is redirected to appropriate dashboard based on role

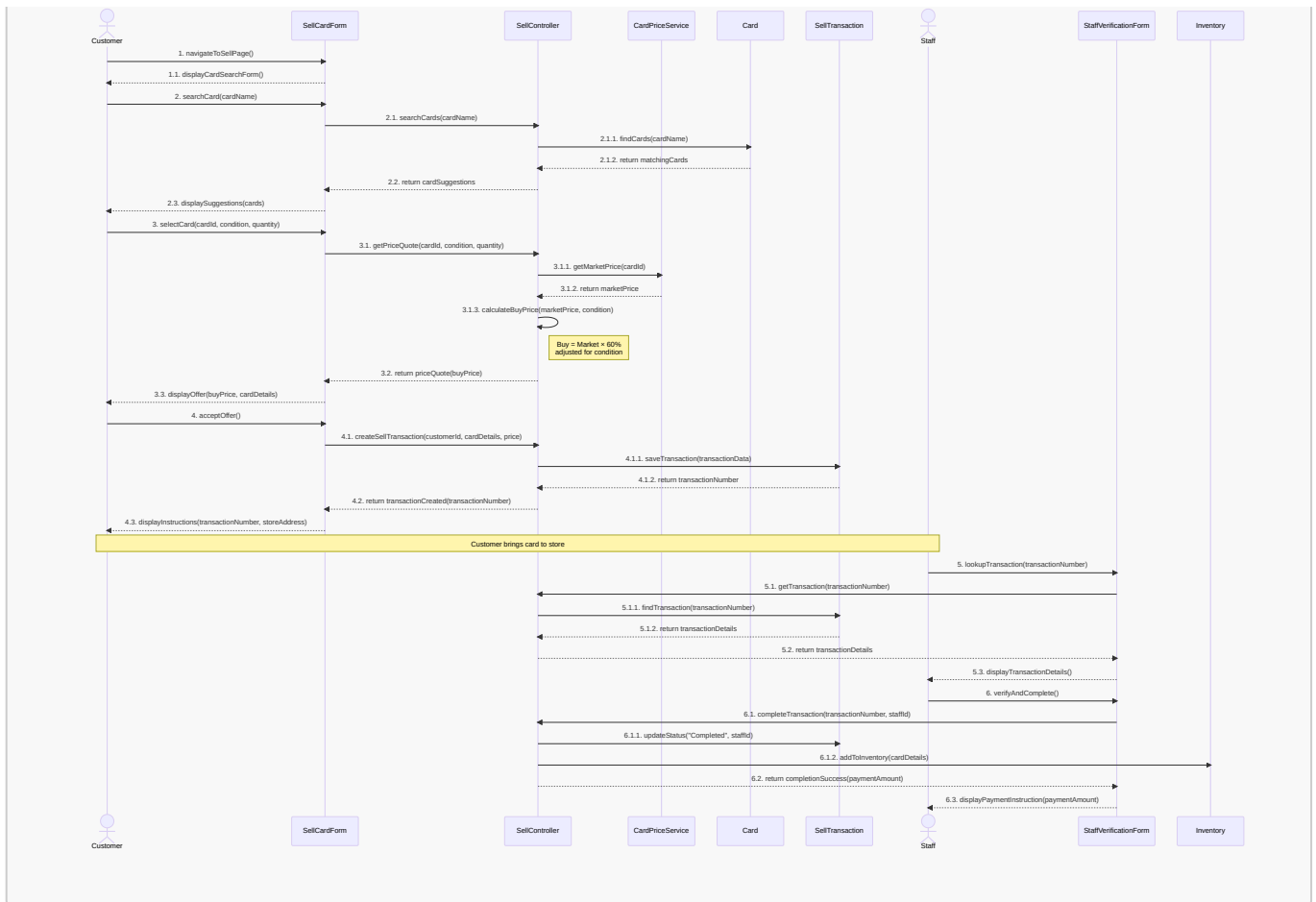
Customer Purchase Checkout



- 1. Customer initiates checkout, system verifies cart items are in stock
- 2. Customer enters contact information for pickup
- 3. Customer enters payment details in secure form
- 4. Payment is processed through external gateway
- 5. Order is created, inventory updated, cart cleared
- 6. Confirmation email sent and displayed to customer

Sell Card to Store





1. Customer searches for the card they want to sell
2. System looks up market price from external service
3. Buy price calculated (60% of market, adjusted for condition)
4. Customer accepts offer, transaction created with pending status
5. Customer brings card to store with transaction number
6. Staff verifies card condition and completes transaction
7. Card added to inventory, customer paid cash