





```

65 6. _fetch_from_api() - Simulate API fetch (placeholder)
66 """
67
68 def __init__(self, queue: Optional[queue.Queue] = None):
69     # TODO: Initialize service components
70     self.trade_queue = queue
71     self.thread = threading.Thread(10)
72
73     pass
74
75
76
77 def start(self):
78     """Start the ingestion service"""
79     # TODO: Start producer thread
80
81
82
83
84
85
86
87     pass
88
89 def stop(self):
90     """Gracefully stop the service"""
91     # TODO: Stop threads and cleanup
92     while not queue.empty():
93         trade = queue.pop()
94         valid = self._validate_trade(trade)
95         if valid:
96             publish_trade(trade)
97
98     pass
99
100
101 def _producer_loop(self):
102     """Main producer loop - fetch, validate, enqueue trades"""
103     # TODO: Implement producer-consumer logic
104     while True:
105         trades = sql_fetch_from_api()
106         for trade in trades:
107             is_valid_trade = self._validate_trade(trade)
108             if is_valid_trade:
109                 self.trade_queue.push(trade)
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119
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121
122
123
124
125
126
127
128
129     pass

```