Django Tea Shop — Sequence Diagram

Participants: Customer/Member, Django website, Shopping cart, Membership authentication, Inventory, 3rd party payment

- Customer/Member → Django website: Login Account
- Django website → Membership authentication: Verify Account

alt/ [if account login is valid]
- Membership authentication → Django website: Account is verified
- Django website → Customer/Member: Shop within website

alt/ [if account login is NOT valid]
- Membership authentication → Django website: NOT succeeded
- Django website → Customer/Member: Login failure
- Customer/Member → Django website: Select product
- Django website → Shopping cart: Add to cart
- Shopping cart → Django website: Refresh cart record
- Django website → Customer/Member: Confirm order?
- Customer/Member → Django website: Retry Login
- Django website → Membership authentication: Verify Account

alt/ [if account login is valid]
- Membership authentication → Django website: Account is verified
- Django website → Customer/Member: Allow confirm ordeer

alt/ [if order is declined]
- Customer/Member → Django website: No
- Django website → Customer/Member: Return message

alt/ [if order is confirmed]
- Customer/Member → Django website: Yes
- Django website → Shopping cart: Request checkout
- Shopping cart → Customer/Member: Request address details
- Customer/Member → Shopping cart: Provide address details
- Shopping cart → Inventory: Generate order form
- Inventory → 3rd party payment: Request payment API
- Inventory → Customer/Member: Send payment API
- Customer/Member → 3rd party payment: Proceed payment
- 3rd party payment → Customer/Member: Payment made
- 3rd party payment → Django website: Transaction record sent
- Django website → Customer/Member: Order status updated

Sequence Diagram describe interactions among classes in terms of an exchange of messages over time.