Customer : Cart Managment Activity UML Diagram
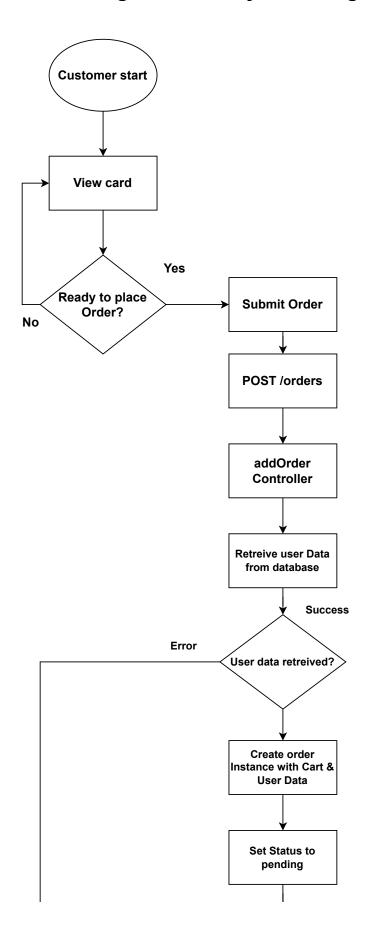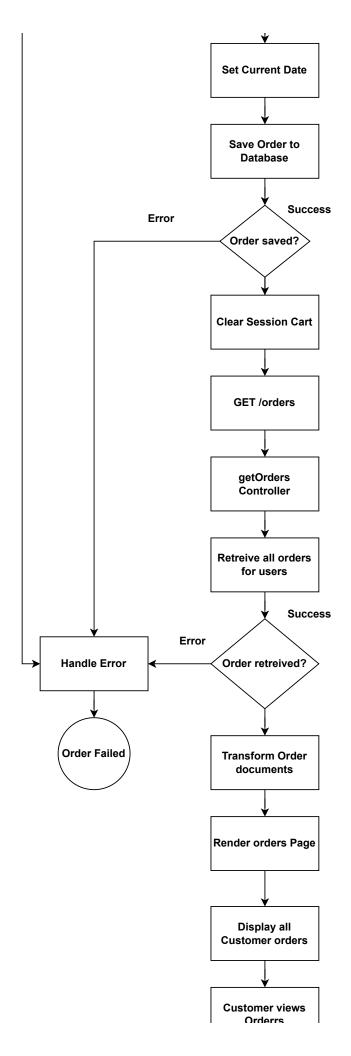
```
        ( Customer start )
                |
                v
         +--------------+
    +--->|  View card   |
    |    +--------------+
    |           |
    |           v
    |        /-------\
No  |       / Ready   \      Yes      +--------------+
    +------ ( to place  )----------->| Submit Order |
            \ Order?  /               +--------------+
             \-------/                       |
                                             v
                                      +--------------+
                                      | POST /orders |
                                      +--------------+
                                             |
                                             v
                                      +--------------+
                                      |   addOrder   |
                                      |  Controller  |
                                      +--------------+
                                             |
                                             v
                                      +----------------+
                                      | Retreive user  |
                                      | Data from      |
                                      | database       |
                                      +----------------+
                                             |
                                             v  Success
                          Error           /---------\
              +--------------------------( User data  )
              |                           \ retreived?/
              |                            \---------/
              |                                 |
              |                                 v
              |                         +----------------+
              |                         | Create order   |
              |                         | Instance with  |
              |                         | Cart & User    |
              |                         | Data           |
              |                         +----------------+
              |                                 |
              |                                 v
              |                         +----------------+
              |                         | Set Status to  |
              |                         | pending        |
              |                         +----------------+
              |                                 |
```

```
                                              Set Current Date

                                              Save Order to
                                              Database

                    Error                            Success
                              Order saved?

                                              Clear Session Cart

                                              GET /orders

                                              getOrders
                                              Controller

                                              Retreive all orders
                                              for users

                              Error                  Success
    Handle Error   ◄─────────    Order retreived?

                                              Transform Order
      Order Failed                            documents

                                              Render orders Page

                                              Display all
                                              Customer orders

                                              Customer views
                                              Orderrs
```

Orders