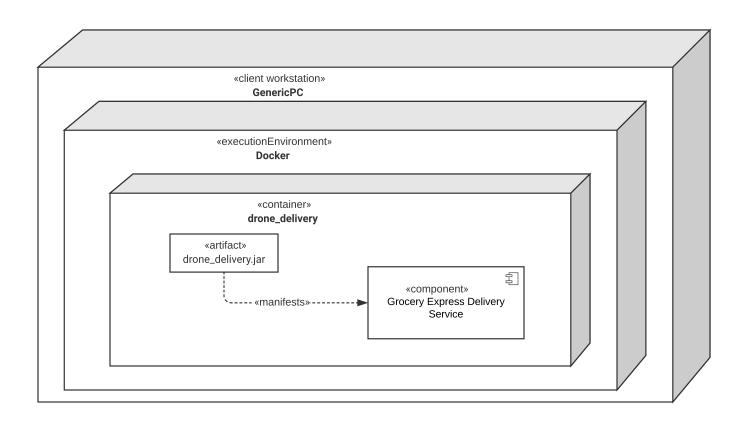
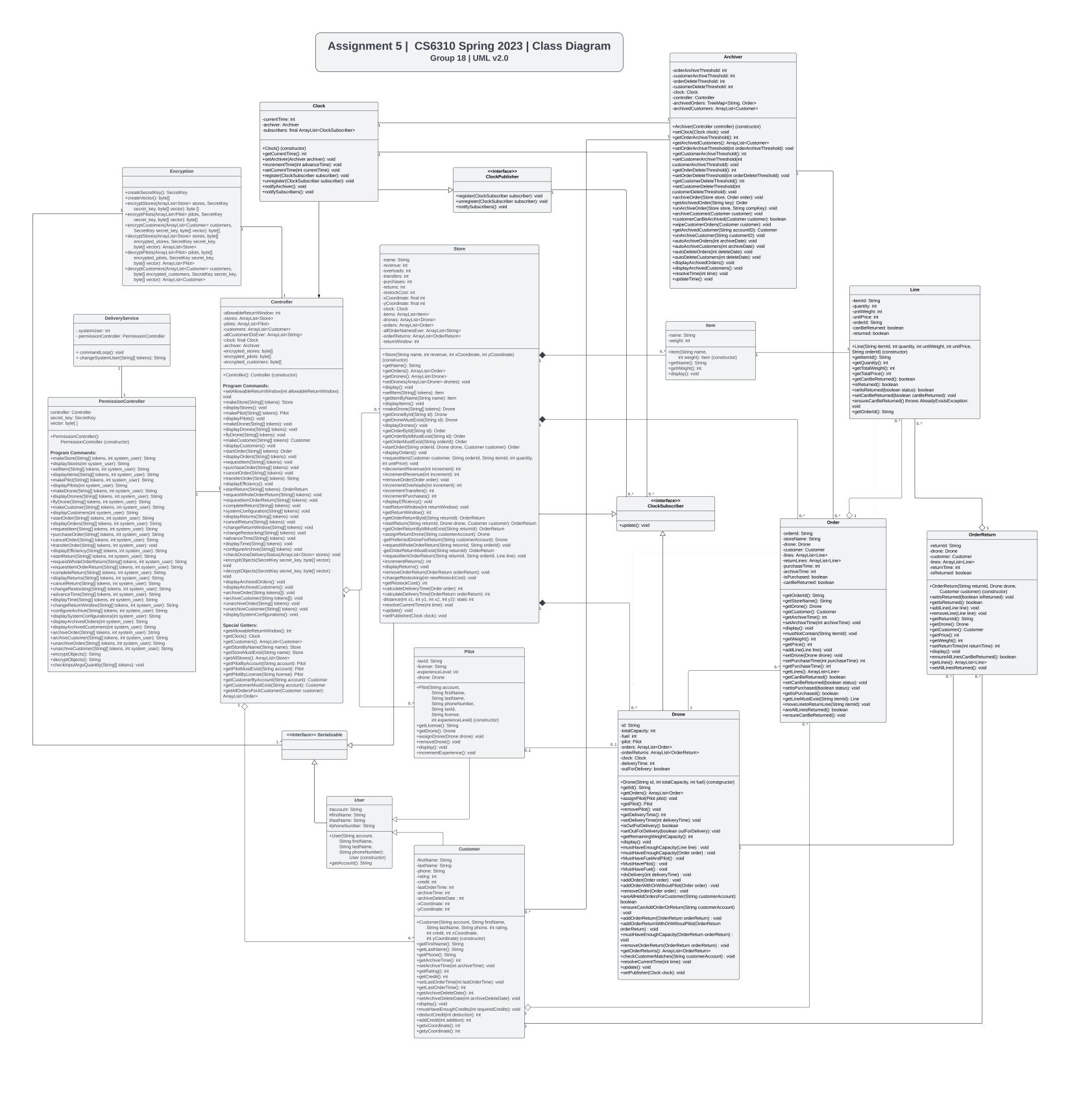
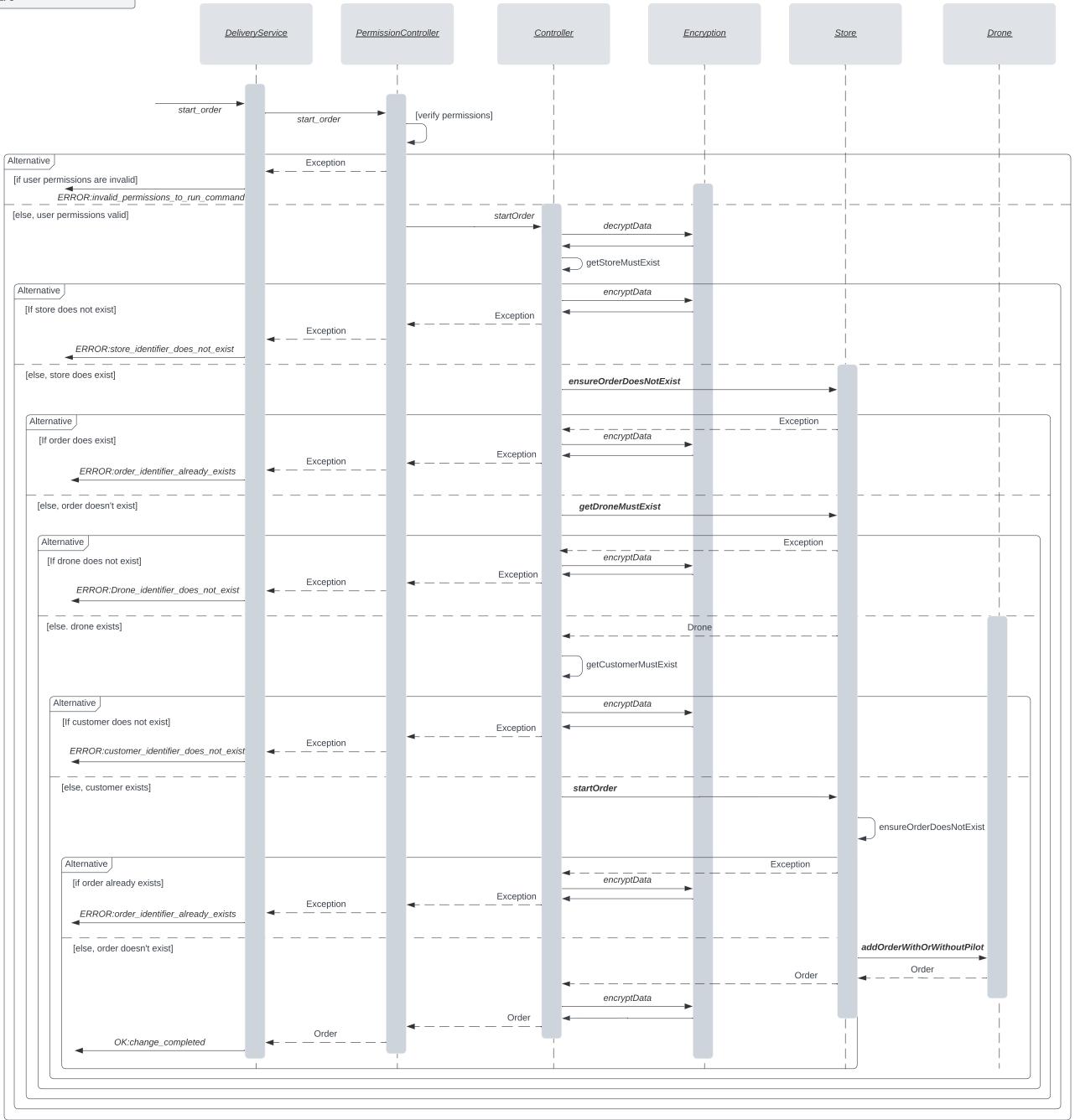
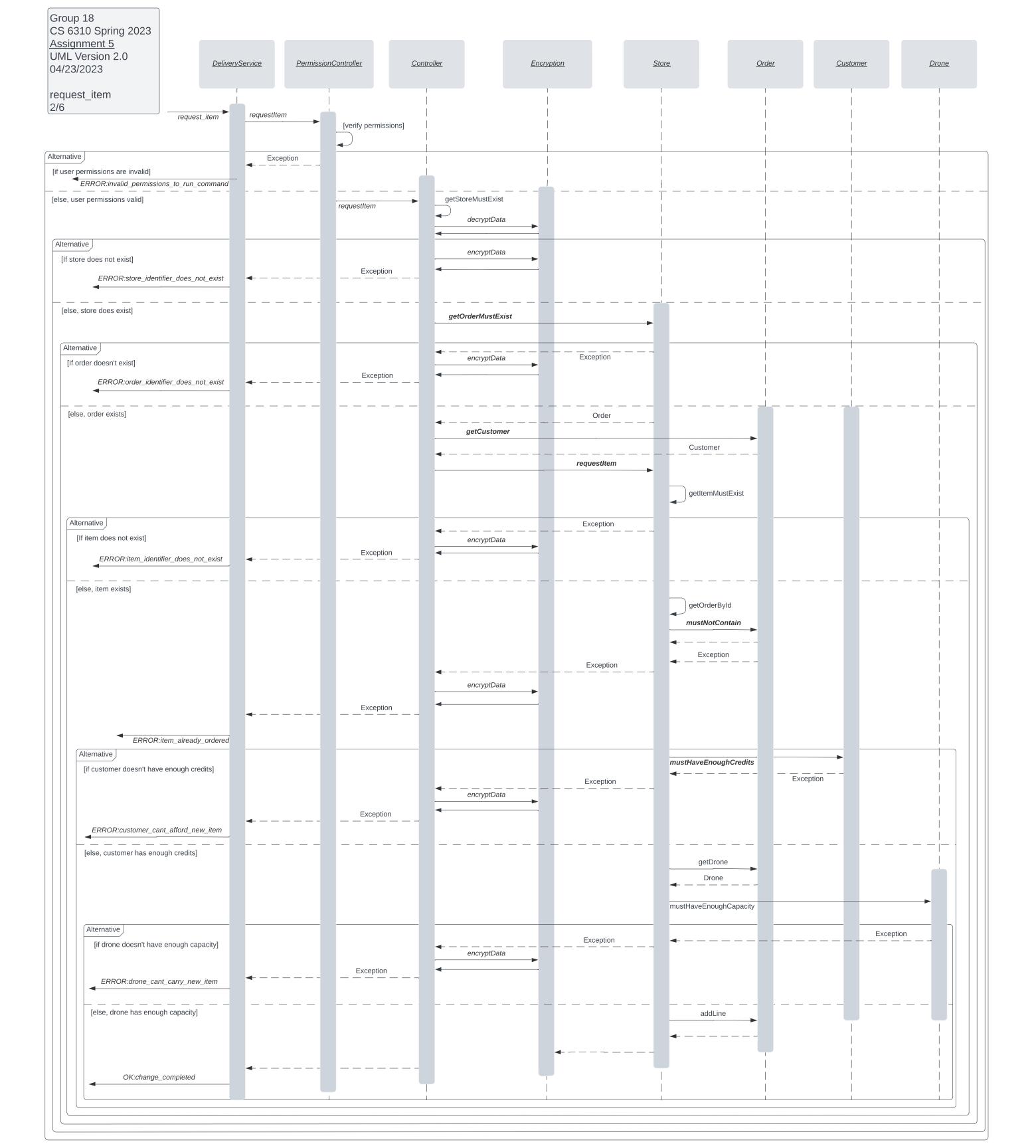
Assignment 5 | CS6310 Spring 2023 | Deployment Diagram Group 18 | UML v2.0







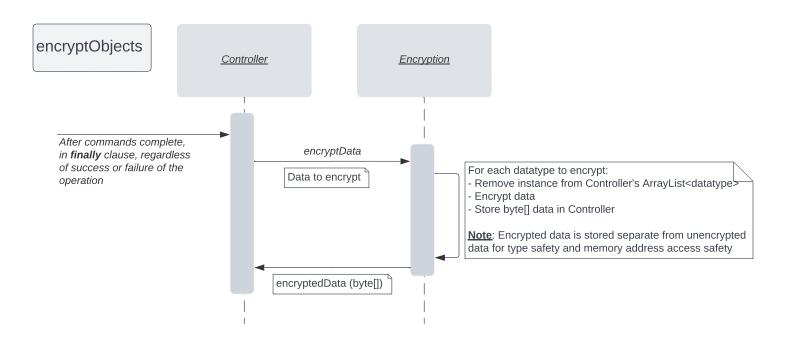


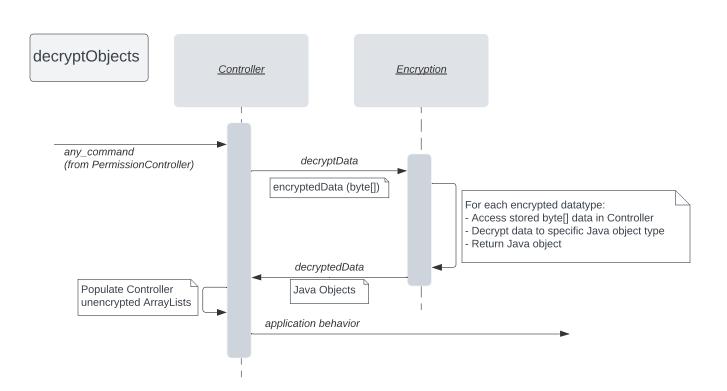
CS 6310 Spring 2023 Assignment 5 UML Version 2.0 04/23/2023 purchase_order 3/6 <u>DeliveryService</u> <u>PermissionController</u> <u>Controller</u> <u>Store</u> <u>Order</u> **Encryption** <u>Drone</u> <u>Customer</u> purchase_order purchaseOrder [verify permissions] Alternative Exception [if user permissions are invalid] ERROR:invalid_permissions_to_run_command [else, user permissions valid] decryptData purchaseOrder getStoreMustExist Alternative encryptData [If store does not exist] Exception ERROR:store_identifier_does_not_exist [else, store does exist] getOrderMustExist Alternative Exception [If order doesn't exist] encryptData Exception ERROR:order_identifier_does_not_exist [else, order exists] Order getDrone Drone mustHavePilotAndFuel Alternative encryptData Exception [If drone has no pilot] Exception ERROR:drone_needs_pilot [else if drone has no fuel] Exception Exception ERROR:drone_needs_fuel [else, drone has pilot and fuel] deductCredit incrementRevenue doDelivery removeOrder removeOrder getOverload incrementOverloads encryptData OK:change_completed

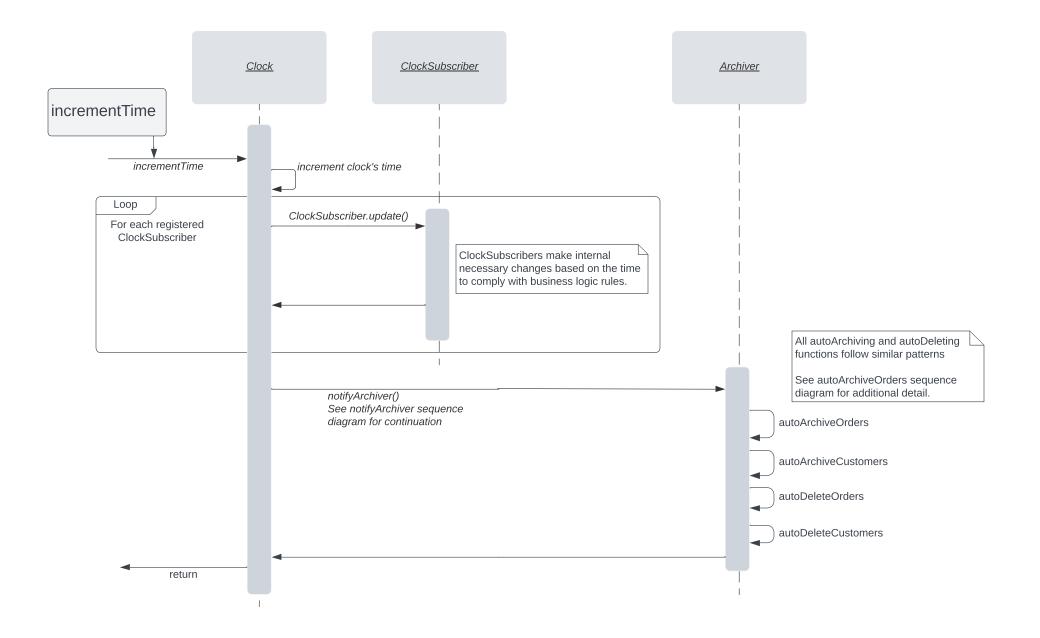
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Group 18 CS 6310 Spring 2023 Assignment 5 UML Version 2.0 04/23/2023 transfer_order <u>DeliveryService</u> Store <u>PermissionController</u> <u>Controller</u> <u>Order</u> <u>oldDrone</u> <u>newDrone</u> **Encryption** 4/6 transfer_order [verify permissions] transferOrder Alternative Exception [if user permissions are invalid] ERROR:invalid_permissions_to_run_command [else, user permissions valid] decryptData transferOrder getStoreMustExist Alternative encryptData [If store does not exist] Exception ERROR:store_identifier_does_not_exist [else, store does exist] getOrderMustExist Alternative Exception [If order doesn't exist] encryptData Exception ERROR:order_identifier_does_not_exist Order [else, order exists] getDrone oldDrone getDroneMustExist Alternative ◆ — — — — encryptData Exception [If drone doesn't exist] Exception ERROR:Drone_identifier_does_not_exist [else, drone exists] newDrone mustHaveEnoughCapacity encryptData Exception [If newDrone doesn't have enough capacity] Exception ERROR:new_drone_does_not_have_enough_capacity ◀ [else, newDrone has enough capacity] Alternative [if newDrone is the same as oldDrone] OK:new_drone_is_current_drone_no_change [else, newDrone is not addOrder the same as oldDrone] setDrone removeOrder incrementTransfers encryptData OK:change_completed

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encryptObjects,
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