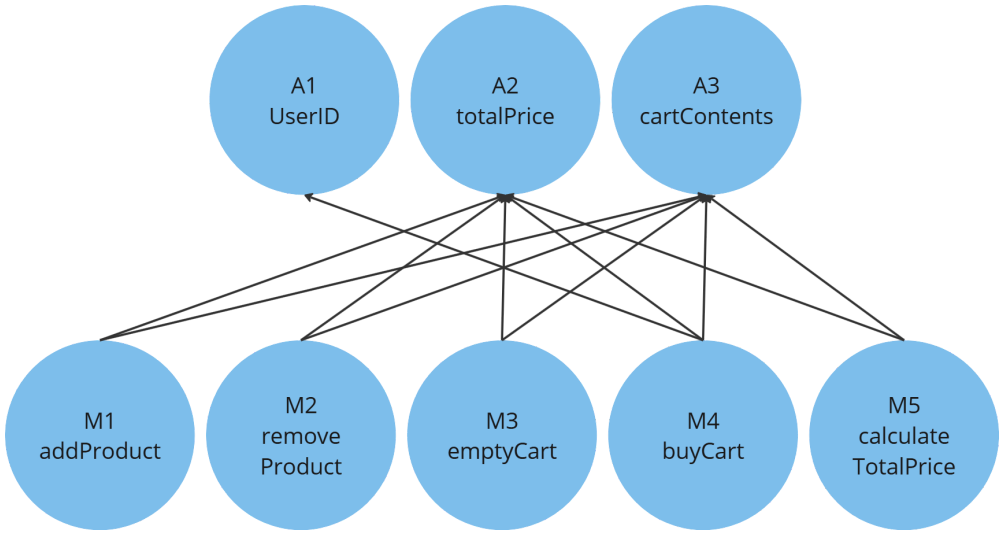
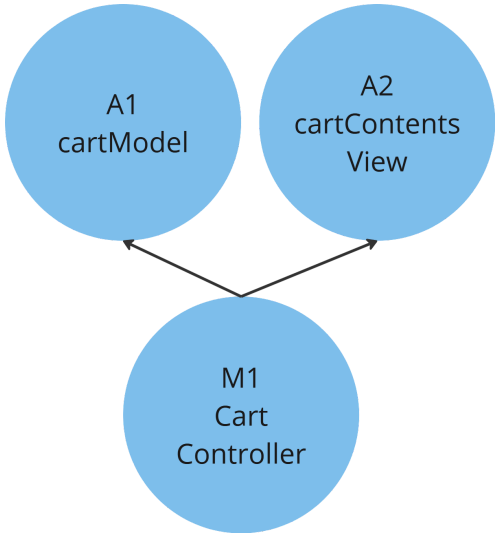
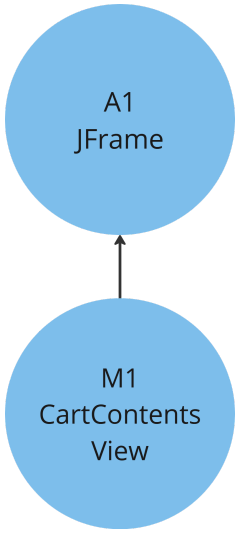
M02-A01 Project Module and API Design

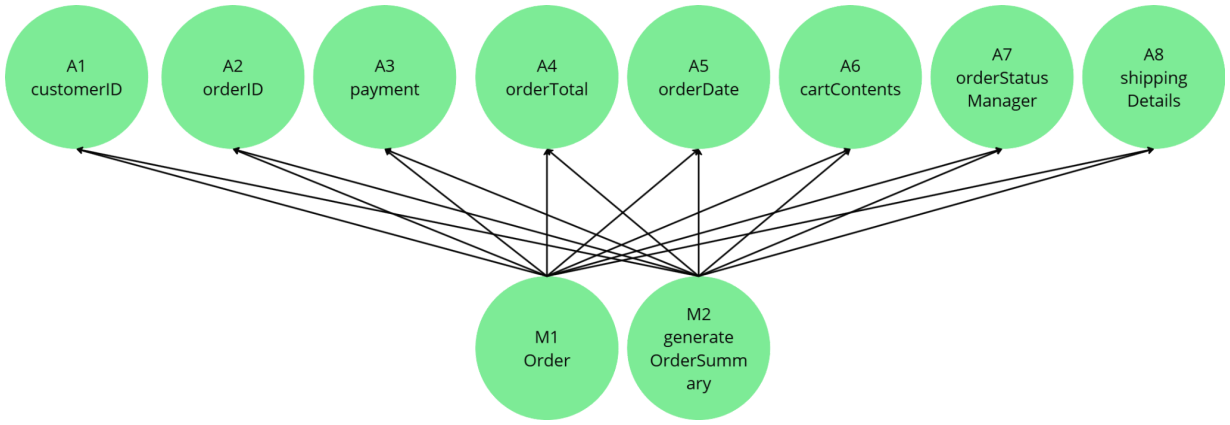
By: Haley Fitzgerald, Nicole Leon, Heaven Thomas, Emira Hanna Yahya
Project: Online Store Purchase

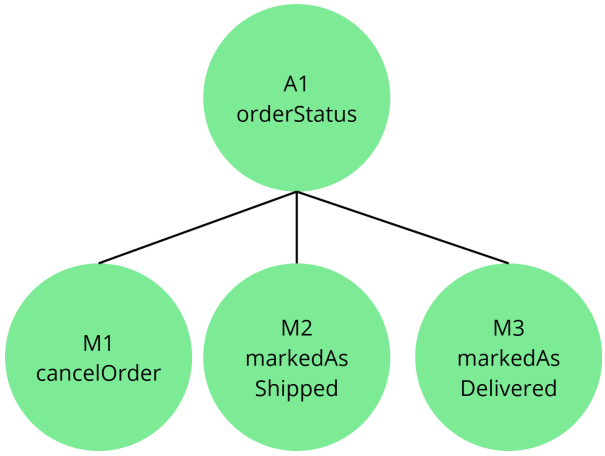
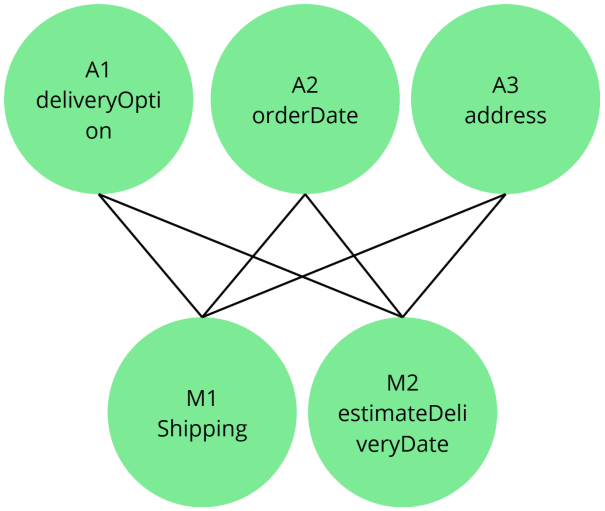
CartManagement

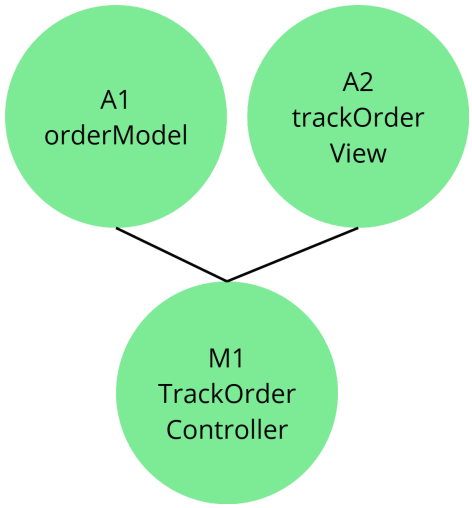
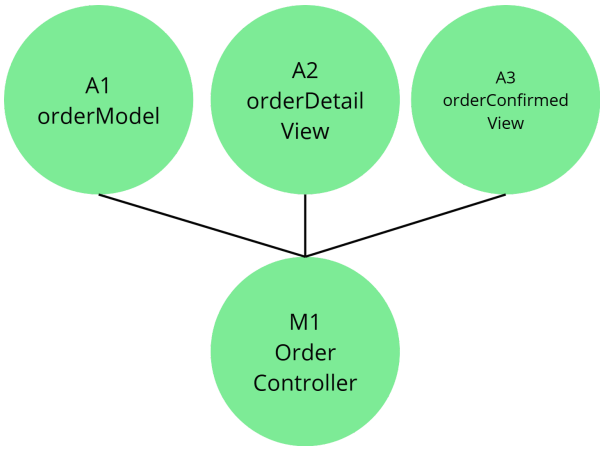
CartManagement.model.Cart

LCOM4 = 1
Most of the methods rely on A2 and A3, but M4 relies on A1.

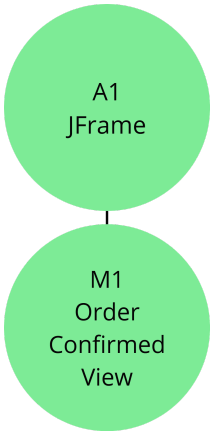
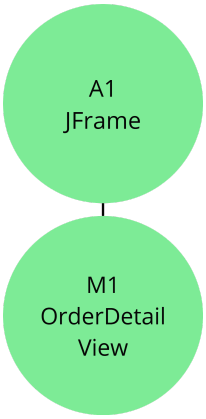
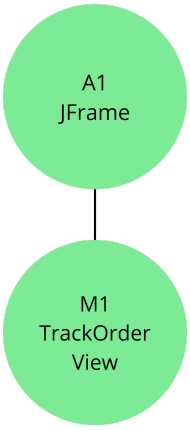
CartManagement.controller.CartController	CartManagement.view.CartContentsView
	
LCOM4 = 1	LCOM4 = 1
M1 requires A1 and A2 to work.	View requires JFrame and other swing components to work properly.

OrderManagement

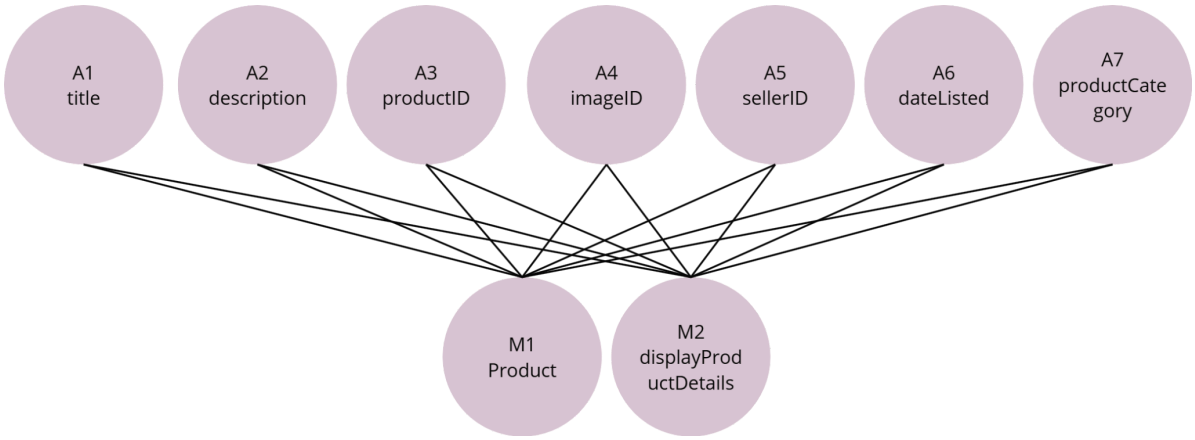
OrderManagement.model.Order

LCOM4 = 1
Both methods rely on all the fields to fulfill their functionality

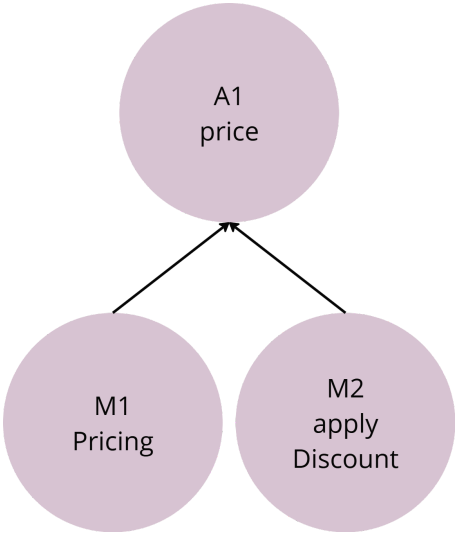
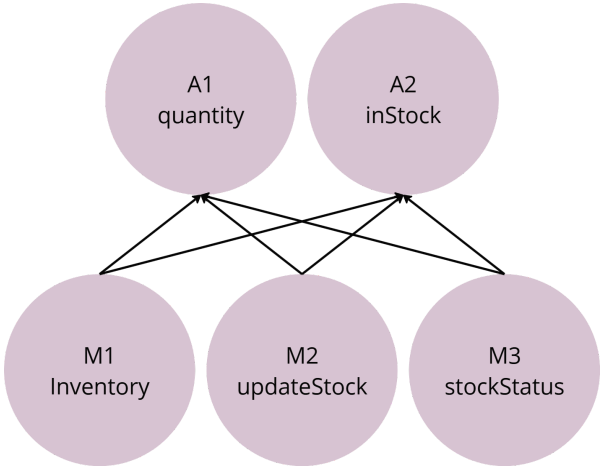
OrderManagement.model.OrderStatusManager	OrderManagement.model.Shipping
	
LCOM4 = 1	LCOM4 = 1
M1, M2 and M3 require A1 to work.	M1 and M2 require A1, A2 and A3 for its logic.

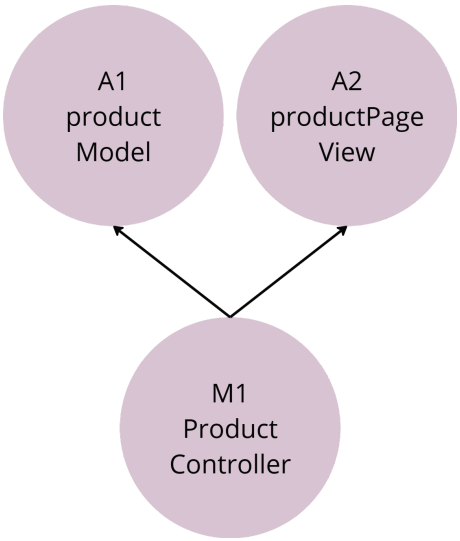
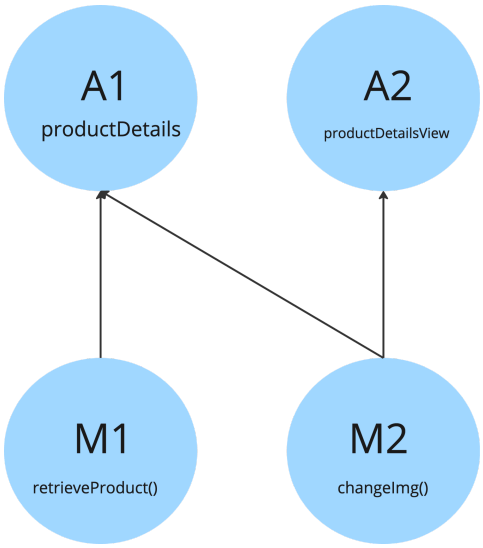
OrderManagement.controller.TrackOrderController	OrderManagement.controller.OrderController
	
LCOM4 = 1	LCOM4 = 1
M1 relies on A1 and A2 to work.	M1 requires A1 and A2 to work.

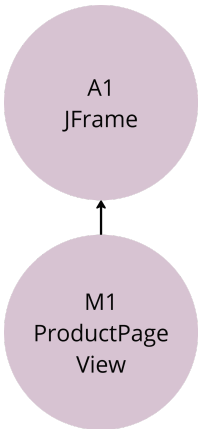
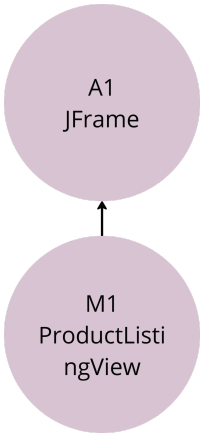
OrderManagement.view.OrderConfirmedView	OrderManagement.view.OrderDetailView	OrderManagement.view.TrackOrderView
		
LCOM4 = 1	LCOM4 = 1	LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.		

ProductManagement

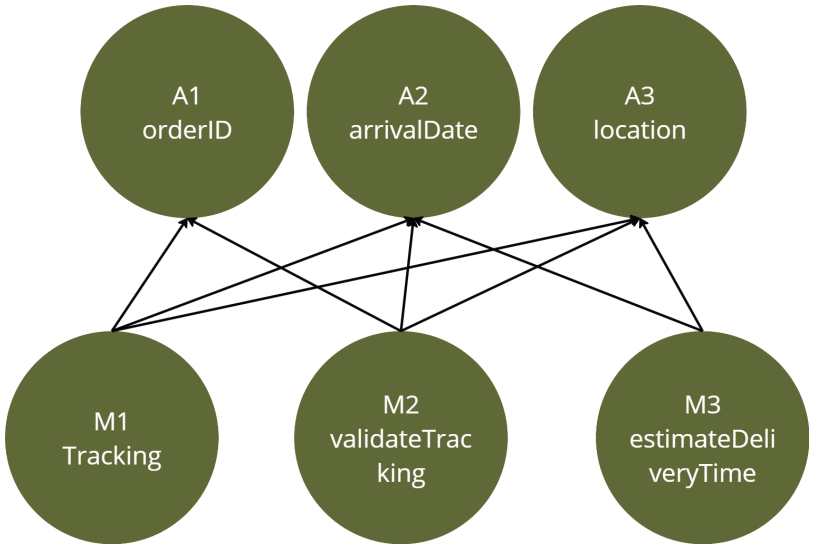
ProductManagement.model.Product

LCOM4 = 1
Both methods rely on all the fields to fulfill their functionality

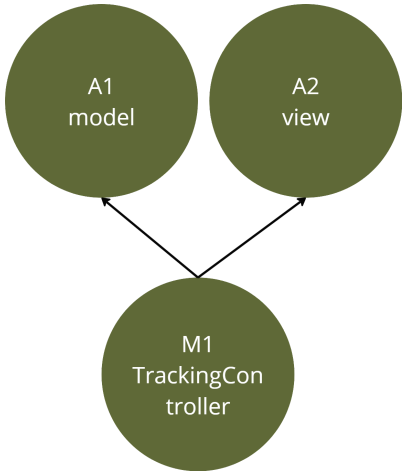
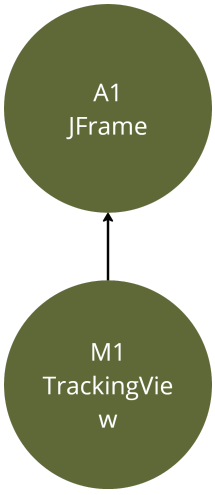
ProductManagement.model.Pricing	ProductManagement.model.Inventory
	
LCOM4 = 1	LCOM4 = 1
M1 & M2 require A1 to work.	M1, M2, & M3 rely on A1 and A2.

ProductManagement.controller.ProductController	ProductManagement.controller.ViewProductDetailsController
	
LCOM4 = 1	LCOM4 = 1
M1 relies on A1 and A2 to work.	M1 requires A1 and A2 to work.

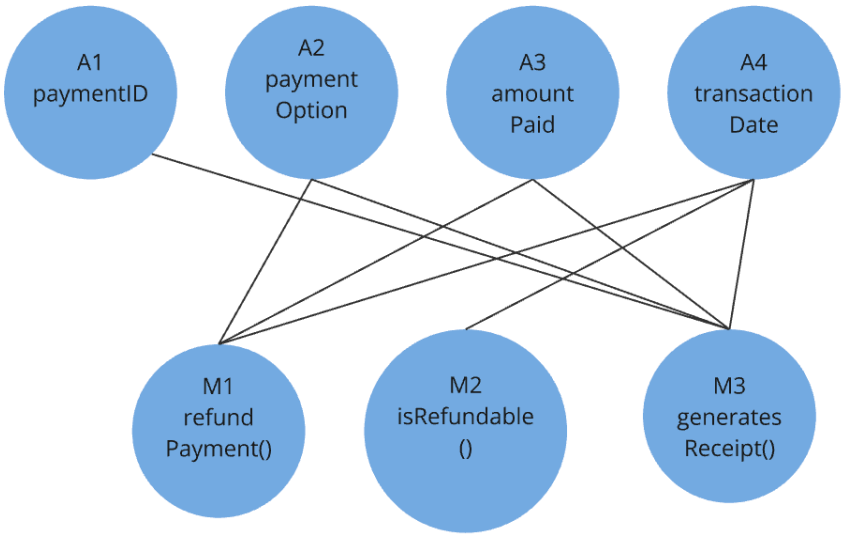
ProductManagement.view.ProductPageView	ProductManagement.view.ProductListingView
	
LCOM4 = 1	LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.	

TrackingManagement

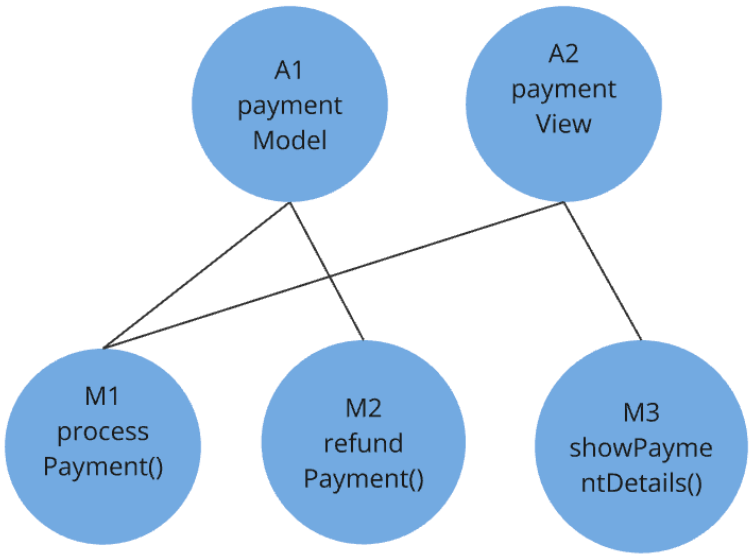
TrackingManagement.model.Tracking

LCOM4 = 1
M1 and M2 rely on A1, A2 and A3, and M3 relies on A2 and A3.

TrackingManagement.controller.TrackingController	TrackingManagement.view.TrackingView
	
LCOM4 = 1	LCOM4 = 1
M1 requires A1 and A2 to work.	View requires JFrame and other swing components to work properly.

PaymentManagement

Payment

LCOM4 = 1
Both M1 and M2 depend on amountPaid and paymentOption. Both M2 and M1 depend on transactionDate. M3 depends on all attributes.

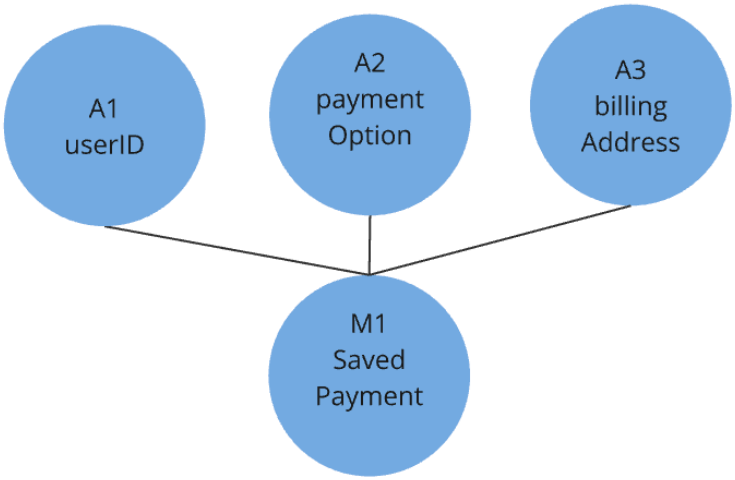
Payment Controller



LCOM4 = 1

Both M1 and M2 depend on paymentMode. Both M1 and M3 depend on paymentView.

Saved Payment

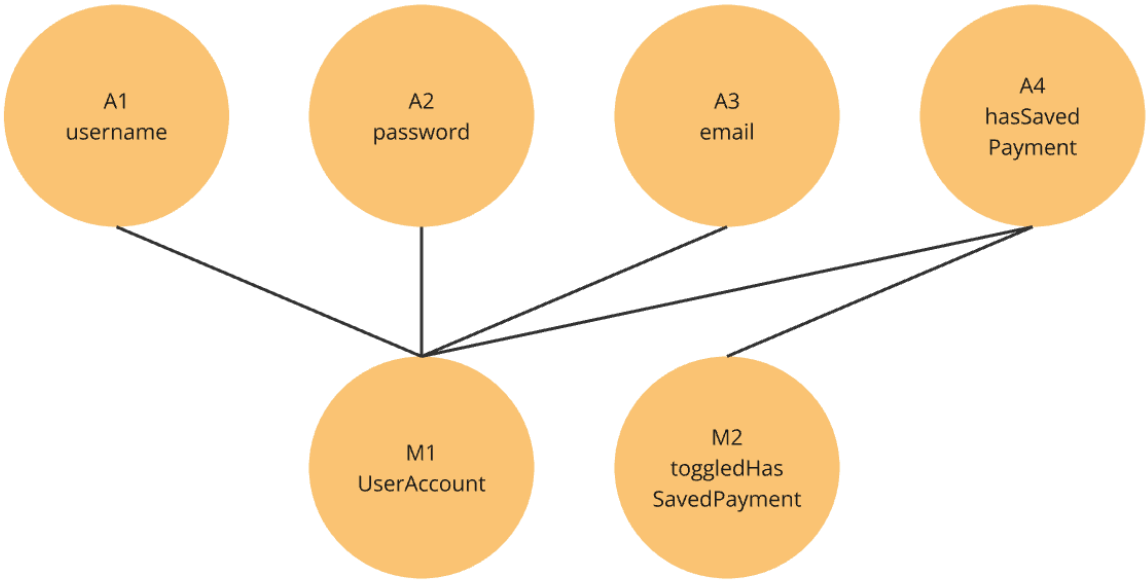


LCOM4 = 1

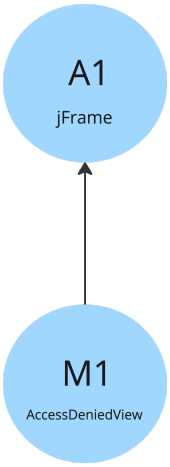
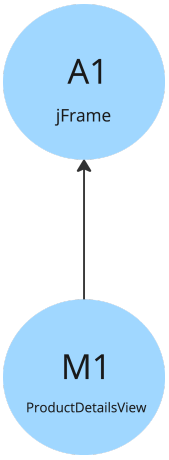
The constructor SavedPayment() depends on all attributes.

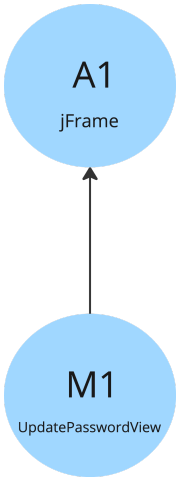
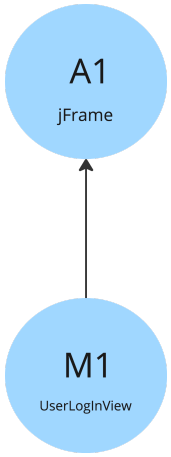
Payment View

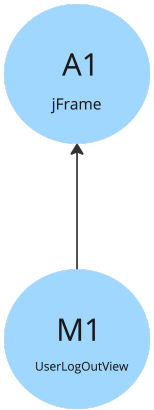
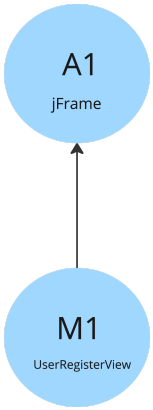
LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.

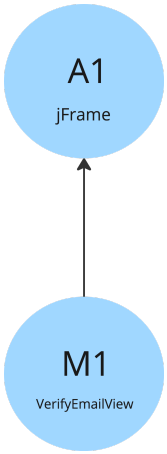
UserManagement.model.UserAccount

LCOM4 = 1
M1 requires A1, A2, A3 & A4 to work. M2 requires A4 to work.

UserManagement.controller.UpdatePasswordController	UserManagement.controller.UserSessionController
	
LCOM4 = 0	LCOM4 = 0
A1 has no methods.	A1 has no methods.

UserManagement.view.AccessDeniedView	UserManagement.view.ProductDetailsView
	
LCOM4 = 1	LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.	View requires JFrame and other swing components to work properly and do graphical displays.

UserManagement.view.UpdatePasswordView	UserManagement.view.UserLoginView
	
LCOM4 = 1	LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.	View requires JFrame and other swing components to work properly and do graphical displays.

UserManagement.view.UserLogoutView	UserManagement.view.UserRegisterView
	
LCOM4 = 1	LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.	View requires JFrame and other swing components to work properly and do graphical displays.

UserManagement.view.VerifyEmailView

LCOM4 = 1
View requires JFrame and other swing components to work properly and do graphical displays.

Team Lead:

Team Lead ID + Name	Contribution in The Particular Assignment
nvl5303 + Nicole Leon	Tackled shipping and tracking management tools for user orders by defining appropriate models, views, and controllers for each use case. Aided with UserManagement API Design diagrams and LCOM4 scoring.

Team Members:

Team Member ID + Name	Contribution in The Particular Assignment
hmf5339 + Haley Fitzgerald	Created set of API Specifications for the use case view product details. Created Package ProductDetailManagement, class ViewProductDetailsController, class Product, and class ProductDetailsView. Filled out LCOM4 tables and diagrams for ProductDetailsView,

	ViewProductDetailsController, and Product. Also created all of the diagrams and tables for the views under user management.
ezy5092 + Emira Hanna Yahya	Stubbed out the attributes and behaviours for all the classes in CartManagement, OrderManagement, and helped organize the UserManagement Structure. Also helped write the model classes in ProductManagement, and consolidated them to fit with Haley's work to reduce code redundancy. Created diagrams and tables for the classes in ProductManagement, CartManagement, OrderManagement, and TrackingManagement.
hlt5125 + Heaven Thomas	Aided in creation of MVC classes for purchasing products. Filled out LCOM4 tables and created diagrams for Payment Management (Payment, Payment Controller, Saved Payment, Payment View)