Marketplace class User class contains • Each item instance is contains a list of items created and managed methods to modify, The methods within the by marketplace add, and remove items Marketplace class Items have their from the marketplace allow for adding, attributes and methods class removing, and to update their details updating items Class: Marketplace Class: Item Class: User Attributes: name: String Attributes: Attributes: itemID: String 1..1 0..\* userID description: String itemList: List<Item> username stock: Integer email Category: String Methods: Methods: Methods: login() addItem(item: Item) modifyAttributes(newAttributes: logout() removeItem(itemID: String) Map<String, Any>) addItem(item: Item) updateItem(itemID: String, delete() modifyItem(item: Item) updatedItem: Item) deleteItem(itemID: String) User sends addItem request to Marketplace addItem(item: addItem(item: Marketplace Item) Item) creates a new Item and adds it to itemList • User selects an Item and sends modifyltem request updateItem(itemID: modifyltem(item: String, Marketplace modifyAttributes(newAttributes: Item) retrieves the item, updatedItem: Item) Map<String, Any>) updates the delete() attributes using Item.modifyAttributes User sends deleteltem request deleteltem(itemID: removeltem(itemID: Marketplace String) String) removes the Item from itemList delete(itemID: String)