

Seller	
Responsability	Collaboration
<ul style="list-style-type: none"> • Manage available products • Add Products • Retrieve and remove products 	<ul style="list-style-type: none"> • Product Factory • User (inherits attributes from User)

Buyer	
Responsability	Collaboration
<ul style="list-style-type: none"> • Perform purchases (checkout). 	<ul style="list-style-type: none"> • Payment • Seller (for products) • User (inherits attributes from User)

Product Factory	
Responsability	Collaboration
<ul style="list-style-type: none"> • Create and manage products. • Retrieve and set product details. 	<ul style="list-style-type: none"> • Purchase Handler • Seller • Buyer

Purchase Handler	
Responsability	Collaboration
<ul style="list-style-type: none"> • Manage the shopping cart (add and remove products). 	<ul style="list-style-type: none"> • ProductFactory • Buyer

Payment	
Responsability	Collaboration
<ul style="list-style-type: none"> • Process payments. • Retrieve payment details. 	<ul style="list-style-type: none"> • Buyer • Invoice

Invoice	
Responsability	Collaboration
<ul style="list-style-type: none"> • Generate invoices for purchases. 	<ul style="list-style-type: none"> • Buyer • Payment

User	
Responsability	Collaboration
<ul style="list-style-type: none"> • Store basic user information (name, email, balance, phone number). • Set user information. 	<ul style="list-style-type: none"> • Seller • Buyer

Used Products (inherits from ProductFactory)	
Responsability	Collaboration
<ul style="list-style-type: none"> • Manage used products, including condition and age. 	<ul style="list-style-type: none"> • Seller • Buyer

New Products (inherits from ProductFactory)	
Responsability	Collaboration
<ul style="list-style-type: none"> • Manage new products, including warranty and manufacturer. 	<ul style="list-style-type: none"> • Seller • Buyer

User Factory	
Responsability	Collaboration
<ul style="list-style-type: none"> • Create users of type "Seller" or "Buyer" (user factory). 	<ul style="list-style-type: none"> • Seller • Buyer