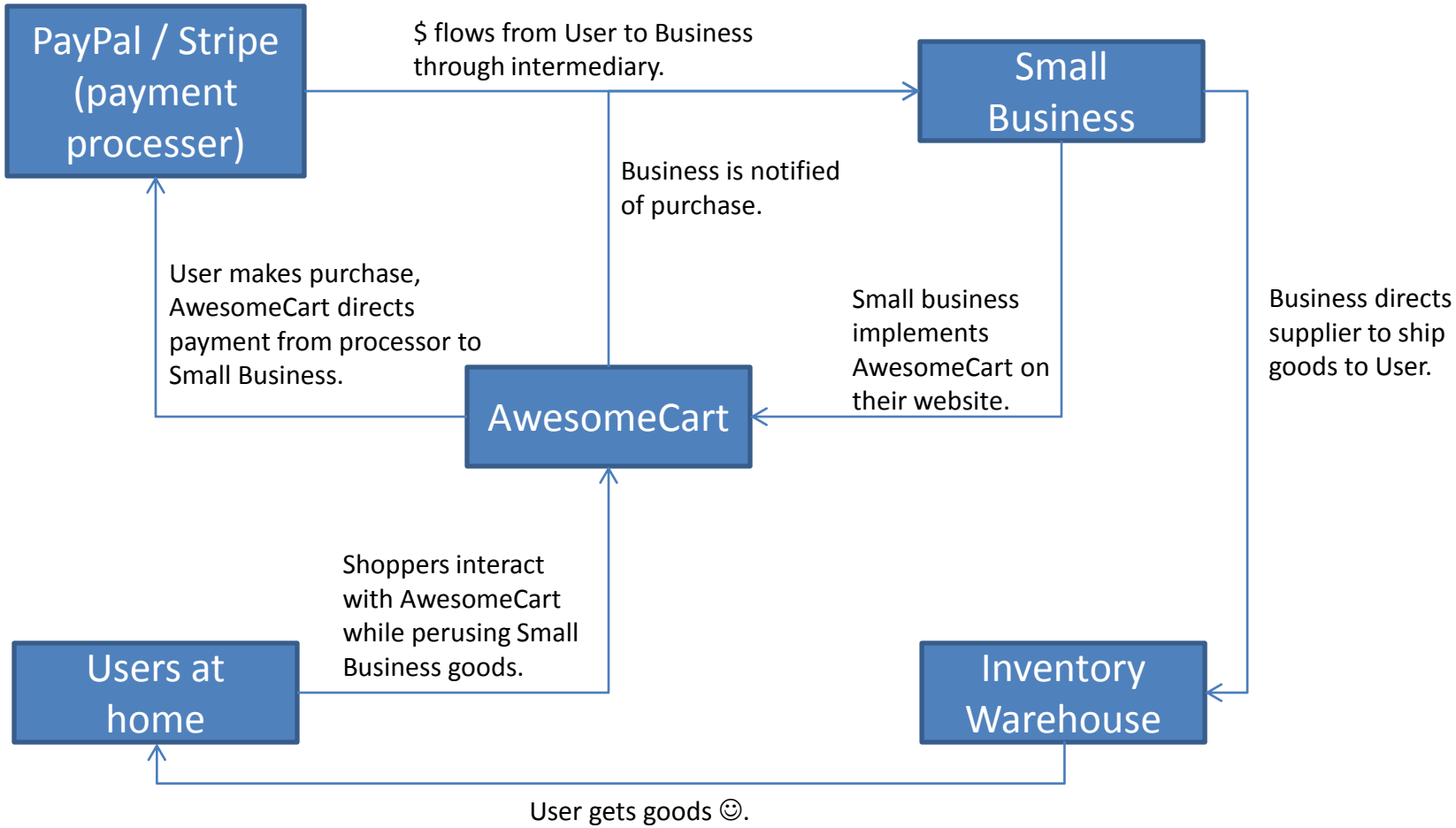
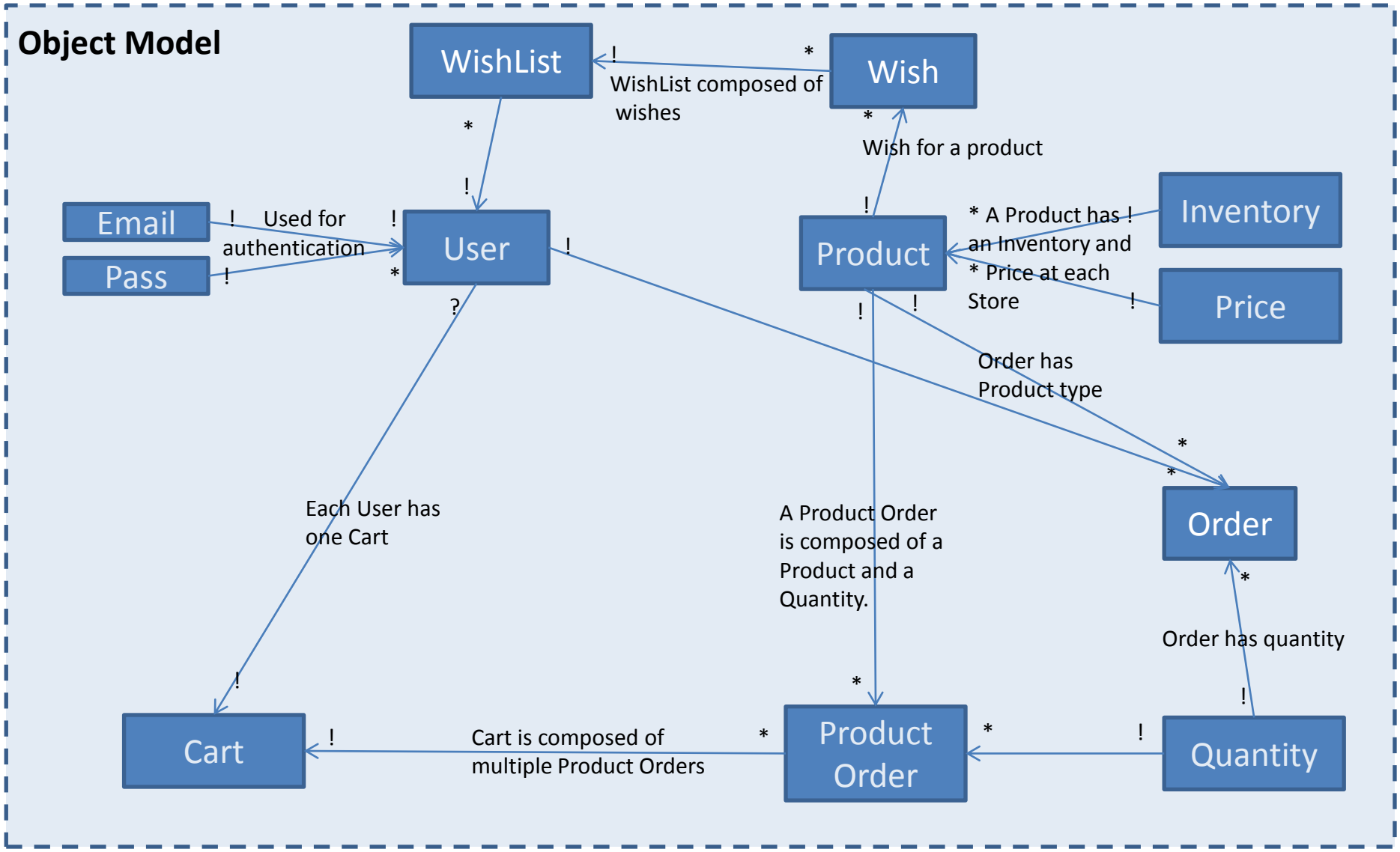
Context Diagram





Each Store has its own AwesomeCart server, so the above diagram is encapsulated by a single store. Each Cart is tied to a specific User for persistence between site visits. The Cart contains ProductOrders that are represented by a Product and Quantity. Order is used for placed orders (for admin use).

Event Model

User Events

- Change email: Allows the User to change his username for AwesomeCart at a business site.
- Change password: Allows the User to change his Password for authentication.
- Create / share a wishlist.
- Add / remove items from a wishlist.

Cart Events

- Add Product Order: Adds a purchase request (Product and Quantity) to the Cart.
- Change Product Order: Changes a purchase request (Product and Quantity) in the Cart.
- Remove Product Order: Removes a purchase request (Product and Quantity) from the Cart.

Store Events

- Add Product: Used by the business to add Products to the AwesomeCart inventory.
- Update Inventory: Used by the business to change the inventory amount of any Product.
- Update Price: Used by the business to change the purchasing price of any Product.
- Remove Product: Used by the business to indicate that a Product is no longer being sold.

Event Model: Regular Grammar

User::=((login | signup)(add | remove | change | checkout | change pword)* (leave | logout)

Admin::=(login (add | remove | view orders | change | change pword)* (leave | logout)

Cart::=(add | remove | change quantity)* (checkout)?

WishList :: (create)(share | add | remove)*(delete)?