New Functionality Name	AX Version In Which This Feature Was Introduced	AX Module Name	New Functionality Description
Style as a product dimension	2012 FP	Inventory and warehouse management	This feature adds support for an additional product dimension, style. You set up and use the new dimension just as you set up and use the existing product dimensions, color and size.
Moving average inventory valuation method	2012 FP	Inventory and warehouse management	You can now select moving average, a perpetual cost method, as the inventory valuation method for products. The moving average valuation method allows for backdated purchase orders and sales orders, valuation of produced products, negative inventory, proportional capitalization of variances after the product invoice has been posted, and updated inventory cost for each transaction that is posted. The calculations for the inventory close and recalculation processes do not include products that are valued by moving average.
Categorize retail products	2012 FP	Retail	Retail products can now be categorized through the category management feature in AX 2012. You can categorize products by using a category hierarchy that is n levels deep. Multiple category hierarchies are supported for special circumstances. You can more efficiently categorize your retail products. For example, you can create one main category hierarchy for all your retail products, and one or more supplemental category hierarchies for product promotions, vendor products, and so on. Attributes that are assigned at the category level can be applied to all products in the category. Values that are assigned to a parent category can be inherited by a child category.
Product assortments	2012 FP	Retail	You can use the enhancements to products, category hierarchies, and organization hierarchies to more efficiently create and maintain assortments. A status and effective date were added. A new batch job was added for periodic updates of changes that are made to an assortment. These enhancements let you centrally manage all retail products across legal entities. You can perform the following tasks: ○ Efficiently group the stores and channels that assortments are assigned to by using the organization model. ○ Create multiple assortments by using category hierarchies. ○ Exclude selected products from an assortment.
Retail channels	2012 FP	Retail	A retail channel includes the retail brick-and-mortar store, online store, and online marketplace. Retail channels are a subtype of operating units. Use the organization hierarchy to model your store relationships and retail channels.
Price groups	2012 FP	Retail	Pricing for stores is accomplished by using price groups. Trade agreements are configured by using price groups. Microsoft Dynamics AX for Retail POS uses trade agreements and the price groups that are assigned to the trade agreements to determine the base price for a product. Price groups provide more flexibility when you set up product pricing. You can configure multiple price groups to meet the requirements of your various products and retail channels, and then assign one or more price groups to your stores.
Periodic discounts	2012 FP	Retail	AX 2012 Feature Pack includes the following enhancements: ○ Concurrency rules let you apply multiple discounts, such as exclusive, best price, and compounded discounts. ○ You can define periodic discounts by category, product, or product variant. ○ You can use discount codes (coupons) for online promotions in campaigns.
Customer orders	2012 FP	Retail	Two types of customer orders, quotations and sales orders, are supported in the following scenarios: ○ An order is created at a store and picked up at the same store. ○ An order is created at a store and picked up at a different store. ○ An order is created at a store and shipped to the customer. ○ An order is created online and picked up at a store. ○ Picking and packing workflows are started and completed in Retail POS. ○ Order returns or cancellations are processed in Retail POS.
Inventory	2012 FP	Retail	The Add products form has been improved to support multiple product hierarchies and a new dialog box for selecting a variant matrix. You can also enter quantity and dimension values. Additionally, you can use a new "mass update worksheet" to make bulk updates to product properties.
Staff management	2012 FP	Retail	Retail staff in both the back office and the store are now integrated with the core Human resources module as workers. To simplify management of Retail POS permissions across the organization, jobs are associated with Retail POS permission groups. You can define a few standard jobs in your retail organization and have standard permissions for each job. All workers that you hire then automatically have the standard permissions. Additionally, you can associate workers with stores. Therefore, you can restrict a retail staff logon to a single store, a group of stores, or any store in the enterprise.
Store inventory	2012 FP	Retail	Retail store inventory has had major architectural changes to better suit native document support and to create a foundation for stronger retail store inventory functionality in the future. Retail store inventory (RSI) was originally a third-party handheld solution. The solution was then adapted into a module that was included in Microsoft Dynamics AX 2012 for Retail. RSI supported basic picking, receiving, and inventory counting, but was not optimized for Microsoft Dynamics AX. RSI required steps that made the solution less streamlined than other features of Retail. For AX 2012, RSI is no longer a stand-alone module. The solution is now more intuitive, efficient, and adaptable, and provides a stronger foundation for developing end-to-end store inventory management. Additionally, functional improvements that have been made in Enterprise Portal for Microsoft Dynamics AX and Retail POS make data entry more intuitive and faster.

End-of-day improvements	2012 FP	Retail	To help with auditing for loss prevention, retailers rely on a several different processes. Two of these will be addressed in this release: ○You can assign a specific till to a specific cashier, so that one person is responsible for the till. For example, if a cashier returns from a break and is now assigned to a different register, the cashier must physically move the till, and the cashier's shift must follow him or her. This scenario is known as floating till. ○ You can remove the till from the cash drawer without closing the shift, so that the money can be counted in a back room instead of on the sales floor. This scenario is known as blind close. In a blind close, multiple registers can be closed from one physical location. A single person can then count cash at the end of the day, and close all registers in a back room or another location that is away from the sales floor. In addition to these key processes, several other improvements are addressed in this release: ○ Important usability improvements have been made, such as an option to require starting and ending amounts before a shift can be closed. Additionally, there is an option to prompt for starting and ending amounts in Retail POS. ○ A ZZ-report has been added.
Global address book	2012 FP	Retail	Addresses and contact information for retail entities have been migrated to addresses and contact information for parties. The global address book significantly changes the data structures and relationships of the underlying data for addresses and contact information. For example, when a customer is created in Retail POS, the customer and party are both created, as are the associated addresses and contact information (party locations).
Reporting and analytics	2012 FP	Retail	Microsoft Dynamics AX includes a sales cube that provides insight into sales performance: Merchandizing analytics ○ Sales performance by retail category ○ Sales performance by product Retail channel analytics ○ Sales performance by retail channel Store analytics ○ Store sales by worker ○ Store sales by hour ○ Store sales performance report Operating unit analytics ○ Operating unit sales performance
Sites Services for Microsoft Dynamics ERP	2012 FP	Retail	Microsoft Dynamics AX includes five Sites Services solutions that can streamline and speed business processes: ○ Advertise promotions ○ Online case request ○ Human resources recruitment ○ Request for quotation ○ Unsolicited vendor registration
Store database	2012 FP	Retail	An offline feature has been added to the store database to support a central database in the retail store. An offline database can also be used locally to reduce downtime if a network failure occurs, and in scenarios where a register must be used offsite or in a sidewalk sale.
Commerce Services for Microsoft Dynamics ERP	2012 FP	Retail	Enhancements have been made to Commerce Services: ○ Retail channels ○ Assortments ○ Categories ○ Buy online and pick up in store ○ Sales tax on shipping ○ Retail security roles
Sales tax on shipping	2012 FP	Retail	The sales tax feature extends existing functionality to support sales tax on shipping charges.
Retail Store Connect	2012 FP	Retail	The operation and configuration of scheduler jobs have been separated. Therefore, it is easier to configure different batch schedules or multiple instances of Retail Store Connect for scalability. The scheduler configuration is now global and can be used for multiple legal entities. Performance has also been improved.
Role-based security	2012 FP	Retail	Role-based security has been added, and built-in roles that cover all functional aspects of the product have also been added. These built-in roles include the following roles: ○ Retail Merchandising Manager ○ Retail Operations Manager ○ Store Manager ○ Store Inventory Clerk
Intercompany timesheets	2012 FP	Project management and accounting	By enabling the Intercompany timesheets feature in Project management and accounting parameters, you add the following functionality: ○ Loaned workers can submit timesheet hours for project work that they perform for the legal entity that borrows them. ○ Project managers can review and approve timesheet submissions from borrowed workers. The loaning legal entity can track the amounts that are due from the borrowing legal entity.