

Audio equipment Management system

Description:

A management system for an audio equipment store, implemented in java. The management system will keep track of products in inventory. It will allow the audio store to manage their equipment with these features:

1. Storage of inventory
2. Adding and removing equipment
3. Displaying information

System structure:

The system will consist of the following classes:

1. Item - The items that will be in inventory. Will contain following variables:
 1. "itemName"
 2. "ItemBrand"
2. AMS - The management system. Will contain following functions:
 1. "addItem(item)"
 2. "removeItem(itemName)"
 3. "displayItems()"
3. Self test - For testing if everything works as intended

Class: Item

The class "Item" will have the following fields: `itemName` and `itemBrand`. This is for easy tracking of inventory.

Class: AMS

This class will be used as the management system for items. It will store all current items in inventory in an array and have methods to perform actions like displaying, adding and removing.

Class: SelfTest

This class will test all of the methods of AMS class to ensure proper function. It will create items, change their attributes, display them and remove them and display them again.