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| Class | Fields (Variables) | Methods |
| Shoe | 1. protected FINAL int productNumber; 2. protected FINAL String name; 3. protected ShoeSizeList shoeSizeList; 4. protected int totalQuantity | **This class will not have any methods, just the three-argument constructor so that data can be accessed directly instead of using getters or setters.** |
| ShoeSizeList | 1. float shoeSize; 2. int quantity; | 1. **boolean add(float shoeSize, int quantity)** 2. **boolean decrease(float shoeSize, int quantity)** 3. **List traversal()** |
| ShoeTable | 1. private HashTable shoeTable; | 1. void addShoe(Shoe shoe) 2. String getShoeName(Shoe shoe) 3. int getShoeSize(Shoe shoe) 4. int getProductNumber(Shoe shoe) |
| HashTable  (Implements HashTableADT) | 1. private int numItems; 2. private Shoe<generics>hashArray[]; | 1. public double getLoadFactorThreshold() 2. public double getLoadFactor() 3. public int getCapacity() 4. public int collisionResolution() 5. int hash(Shoe shoe) 6. int numItems() |
| Interfaces | Fields (Variables) | Methods |
| ShoeTableADT | 1. void addShoe(Shoe shoe, int quantity) 2. String getShoeName(int productNumber) 3. int getShoeSize(Shoe shoe) 4. int getProductNumber(Shoe shoe) | N/A |
| HashTableADT | 1. public double getLoadFactorThreshold() 2. public double getLoadFactor() 3. public int getCapacity() 4. public int collisionResolution() 5. int hash(Shoe shoe) 6. int numItems() | N/A |