**Design for** **Category Part**

The category design part has

**Class hierarchy**



**Class Diagram**



**Algorithm**

As described above the classes are category, fashion, electronics&computer, furniture, PostItem, RemoveItem, books, men’s, women’s, kid’s&baby’s, mobilePhones, tablets, computer, Tvs, compAccessory, novels, science, cloth, shoe.

Algorithm works as following.

When seller wants to put an item under a specific category list:

Algorithm 1:

* Select postItem –
  + The callerCategry method calls the category class which displays its first generation classes.
* Select one class among the classes displayed above.
  + One of the methods under category class calls the respective class.
  + Let, select fashion class
* A
  + A
* A