Eskisehir Osmangazi University

Electrical and Electronics Engineering

OBJECT ORIENTED PROGRAMMING I

PROJECT REPORT

151220164061 Hayrullah Uğur GÜVENEN

It is very important to keep track of the products in the inventory today. From time to time, the number of these products may change or a new product may arrive. This project was created to list the white goods in the inventory, to easily make changes in the number of product when necessary and to add a new product.

The program simply consists of 2 stages. The first is to add a new product and the second is to change the number of a product. When the user runs the program, the products in the inventory list are presented to the user first. Then the program comes up to user with 3 options. The user selects one of the options to add products, change the number of products, and exit. If one of the options to add products or make changes in the number of products is selected, this time the user will be asked which product is wanted to be added or the number of products to be changed. If adding product is selected, the user selects one of the 3 products. In this section, for the user refrigerator, respectively ID number, height, length, width, energy consumption class, minimum temperature, volume, number of doors, defrost property (T / F), engine power, engine rotation, engine cooling capacity, and number of refrigerator information; For Dishwasher, ID number, height, length, width, energy consumption class, water consumption, number of programs, capacity, number of racks, engine power, engine rotation, engine water spray capacity, and number of dishwasher; Similarly, for Washing Machine, the ID number, height, length, width, energy consumption class, water consumption, number of programs, capacity, squeeze speed, engine power, engine rotation, engine heating capacity, and number of washing machines informations should entered with the space between features.

The program simply consists of 4 classes. BaseFeature, the first of these classes, has been used to determine some properties common to all products. Other classes were created for refrigerators, dishwasher and washing machines and the properties of these products were determined in these classes. In addition, it has functions such as determining the features from each product list in the refrigerator, dishwasher and washing machine classes, reading the products from the list in the inventory, adding new products and making changes in the number of products. In this way, it is prevented from doing too much processing in the main function.