package PhoneBookIgorLanger;

import java.util.\*;

import static PhoneBookIgorLanger.SaveContactsToFile.saveContactsToFile;

/\*\*

\* His is a function that adds a new number.

\* At this stage, we check how many characters are in the name

\* In addition, a typed phone number is also checked

\*/

public class AddContactToFile {

public static void addContactToFile(Map<String, List<String>> contacts, Scanner input) {

System.out.println("You are about to add a new contact to the phone book.");

String name;

String number;

int counterOfName = 0;

int counterOfNumber = 0;

while (true) {

System.out.println("Enter contact name:");

name = input.nextLine().trim();

if (name.matches("^.{4,30}$")) {

break;

} else {

counterOfName++;

System.out.println("Name must be in range 4 - 30 symbols.");

if (counterOfName >= 3) {

System.out.println("You have tried to enter an incorrect name more than 3 times. Phone Book is terminated now");

System.exit(0);

}

}

}

while (true) {

System.out.println("Enter contact number:");

number = input.nextLine().trim();

if (number.matches("^\\+?[0-9 ]{8,15}$")) {

break;

} else {

counterOfNumber++;

System.out.println("Number may contain only '+', spaces and digits. Min length 8, max length 15.");

if (counterOfNumber >= 3) {

System.out.println("You have tried to enter an incorrect number more than 3 times. Phone Book is terminated now");

System.exit(0);

}

}

}

if (contacts.containsKey(name)) {

System.out.printf("'%s' already exists in the phone book!\n", name);

if (contacts.get(name).contains(number)) {

System.out.printf("Number %s already available for contact '%s'.\n", number, name);

} else {

contacts.get(name).add(number);

saveContactsToFile(contacts);

System.out.printf("Successfully added number %s for contact '%s'.\n", number, name);

}

} else {

List<String> numbers = new ArrayList<>(Collections.singleton(number));

contacts.put(name, numbers);

saveContactsToFile(contacts);

System.out.printf("Successfully added contact '%s' !\n", name);

}

System.out.println();

System.out.println("Type a command or 'exit' to quit. For a list of valid commands use 'help':");

}

}