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package com.cg.tms.ui;

import java.util.ArrayList;
import java.util.Collection;
import java.util.Date;
import java.util.HashMap;
import java.util.Iterator;
import java.util.List;
import java.util.Map;
import java.util.Scanner;

import com.cg.tms.dto.TicketBean;
import com.cg.tms.dto.TicketCategory;
import com.cg.tms.service.TicketService;
import com.cg.tms.service.TicketServiceImpl;
import com.cg.tms.util.Util;

public class MainUI {

    public static void main(String[] args) {

        Scanner s = new Scanner(System.in);
        String exit=null;
        do {
            System.out.println("Welcome to ITMD Help Desk");
            System.out.println("");
            System.out.println("1. Raise a Ticket");
            System.out.println("2. Exit from the System");
            int choice=s.nextInt();
            int n=1;
            switch(choice) {

                case 1:
                    System.out.println("Select Ticket Category from below List :");
                    Map<String,String> hm = Util.getTicketCategoryEntries();
                    Collection<String> c = hm.values();
                    List al = new ArrayList(c);

                    Iterator i = al.iterator();
                    while(i.hasNext()) {
                        System.out.print(n++);
                        System.out.println(" :"+i.next());
                    }

                    System.out.println(" ");

                    System.out.print("Enter Option : ");
                    int opt =s.nextInt();

                    TicketCategory tc= new TicketCategory();

                    double tcid =Math.random();

                    switch(opt){

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        case 1 : tc.setTicketCategoryId("tc1001");
                  tc.setCategoryName("software installation");
                  n=1;
                  break;

        case 2 : tc.setTicketCategoryId("tc002");
                  tc.setCategoryName("mailbox creation");
                  n=1;
                  break;

        case 3: tc.setTicketCategoryId("tc003");
                  tc.setCategoryName("mailbox issues");
                  n=1;
                  break;
    }

    TicketBean tb = new TicketBean();
    tb.setTicketNo(Math.random());
    tb.setTicketCategoryId(tc.getTicketCategoryId());

    System.out.print("Enter Description Related to issue : ");
    String des=s.next();
    tb.setTicketDescription(des);

    System.out.print("1.Low 2.medium 3. high : ");
    int prity=s.nextInt();
    switch(prity) {

        case 1:
            tb.setTicketPriority("low");
            break;
        case 2:
            tb.setTicketPriority("medium");
            break;
        case 3:
            tb.setTicketPriority("high");
            break;

    }

    tb.setTicketStatus("New");
    String d = new Date().toString();

    tb.setTlmdComments(d);

    TicketService ts = new TicketServiceImpl();

    boolean b = ts.raiseNewTicket(tb);
    if(b==true) {
        System.out.println("Ticket    Number    "+tb.getTicketNo()+"    logged
successfully at "+tb.getTlmdComments());
    }
    else {

        System.out.println("Ticket No not generated ");
    }

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        }  
        break;  
  
        case 2: System.out.println("Exit from Execution");  
                exit="Y";  
                break;  
  
    }  
  
    }while(exit!="Y");  
}  
}
```