package sistemperpustakaan.service;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import java.util.Scanner;

import sistemperpustakaan.DataPerpustakaan;

import sistemperpustakaan.model.Buku;

import sistemperpustakaan.model.Peminjam;

import sistemperpustakaan.model.User;

public class ProsesService extends ProsesServiceAbstract {

Scanner input = new Scanner(System.in);

@Override

public void initDataBuku() {

for (int i = 0; i < 10; i++) {

Buku buku = new Buku((i + 1), "Buku " + (i + 1), "Pengarang " + (i + 1), "200" + i);

DataPerpustakaan.BukuArr.add(buku);

}

}

@Override

public void register() {

System.out.println("----- Register User -----");

System.out.print("Nama : ");

String nama = input.next();

System.out.print("Username : ");

String username = input.next();

System.out.print("Password : ");

String password = input.next();

System.out.print("Alamat : ");

String alamat = input.next();

System.out.print("No Telp : ");

String noTelp = input.next();

User user = new User((DataPerpustakaan.UserArr.size() + 1), nama, username, password, alamat, noTelp);

DataPerpustakaan.UserArr.add(user);

System.out.println("Register User Berhasil !");

}

@Override

public boolean login(String username, String Password) {

boolean status = false;

for (int i = 0; i < DataPerpustakaan.UserArr.size(); i++) {

if (DataPerpustakaan.UserArr.get(i).getUsername().equals(username)) {

status = DataPerpustakaan.UserArr.get(i).getPassword().equals(Password);

} else {

status = false;

}

}

return status;

}

@Override

public void daftarBuku() {

for (int i = 0; i < DataPerpustakaan.BukuArr.size(); i++) {

DataPerpustakaan.BukuArr.get(i).detailBuku();

}

}

@Override

public void pinjamBuku(User user) {

System.out.print("Masukkan jumlah buku :");

int jumlahBuku = input.nextInt();

Buku[] bukuArr = new Buku[jumlahBuku];

for (int i = 0; i < jumlahBuku; i++) {

System.out.print("Masukkan ID Buku : ");

int bukuId = input.nextInt();

for (int j = 0; j < DataPerpustakaan.BukuArr.size(); j++) {

if (DataPerpustakaan.BukuArr.get(i).getIdBuku() == bukuId) {

bukuArr[i] = DataPerpustakaan.BukuArr.get(i);

}

}

}

SimpleDateFormat formatDate = new SimpleDateFormat("yyyy-mm-ddd");

Calendar date = Calendar.getInstance();

String datePinjam = formatDate.format(date.getTime());

date.add(Calendar.DAY\_OF\_MONTH, 7);

String dateKembali = formatDate.format(date.getTime());

Peminjam peminjam = new Peminjam(bukuArr, user, datePinjam, dateKembali);

DataPerpustakaan.PeminjamArr.add(peminjam);

System.out.println("Pinjam buku berhasil !");

}

@Override

public void daftarPinjam(String username) {

System.out.println("----- Detail Peminjam -----");

for (int i = 0; i < DataPerpustakaan.PeminjamArr.size(); i++) {

if (!username.equals("")) {

if (DataPerpustakaan.PeminjamArr.get(i).getUser().getUsername().equals(username)) {

DataPerpustakaan.PeminjamArr.get(i).detailPeminjam();

System.out.println("Tanggal Pinjam : "+DataPerpustakaan.PeminjamArr.get(i).getTglPinjam());

System.out.println("Tanggal Kembali : "+DataPerpustakaan.PeminjamArr.get(i).getTglKembali());

System.out.println("---- Detail Buku Pinjaman -----");

for (int j = 0; j < DataPerpustakaan.PeminjamArr.get(i).getBuku().length; j++) {

DataPerpustakaan.PeminjamArr.get(i).getBuku()[j].detailBuku();

}

}

} else {

DataPerpustakaan.PeminjamArr.get(i).detailPeminjam();

System.out.println("---- Detail Buku Pinjaman -----");

for (int j = 0; j < DataPerpustakaan.PeminjamArr.get(i).getBuku().length; j++) {

DataPerpustakaan.PeminjamArr.get(i).getBuku()[j].detailBuku();

}

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Peminjam peminjam = new Peminjam(bukuArr, user, datePinjam, dateKembali);

DataPerpustakaan.PeminjamArr.add(peminjam);

System.out.println("Pinjam buku berhasil !");

}

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System.out.println("----- Detail Peminjam -----");

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DataPerpustakaan.PeminjamArr.get(i).getBuku()[j].detailBuku();

}

}

} else {

DataPerpustakaan.PeminjamArr.get(i).detailPeminjam();

System.out.println("---- Detail Buku Pinjaman -----");

for (int j = 0; j < DataPerpustakaan.PeminjamArr.get(i).getBuku().length; j++) {

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}

}

}

}

}

Pinjaman -----");

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DataPerpustakaan.PeminjamArr.get(i).getBuku()[j].detailBuku();

}

}

}

}

}

Keterangan Source Code :

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