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Com.praktikum

Actions

```
package com.praktikum.actions;
```

```
public interface AdminActions {  
    void manageItems();  
    void manageUsers();  
    void displayAppMenu();  
}
```

MahasiswaActions

```
package com.praktikum.actions;
```

```
public interface MahasiswaActions {  
    void reportItem();  
    void viewReportedItems();  
    void displayAppMenu();  
  
}
```

Main

```
package com.praktikum.main;
```

```
import com.praktikum.actions.AdminActions;  
import com.praktikum.actions.MahasiswaActions;  
import com.praktikum.users.User;  
import com.praktikum.users.Mahasiswa;  
import com.praktikum.users.Admin;
```

```
public class LoginSystem {  
    public static void main(String[] args) {  
        // Gunakan tipe yang sesuai agar bisa akses method dari interface  
        Admin admin = new Admin("Akbar", 388, "akbar388", "qwerty");  
        Mahasiswa mahasiswa = new Mahasiswa("Mohamad Akbar", 388);
```

```

System.out.println("Pilihan Login");
System.out.println("1. Admin");
System.out.println("2. Mahasiswa");
System.out.print("Masukkan Pilihan (1/2): ");

int pilihan = User.input.nextInt();
User.input.nextLine();

if (pilihan == 1) {
    System.out.println("\n=== Login Admin ===");
    admin.login();
    admin.displayAppMenu();
    int menu = User.input.nextInt();
    User.input.nextLine();

    AdminActions action1 = admin;

    if(menu == 1) {
        action1.manageItems();
    } else if(menu == 2) {
        action1.manageUsers();
    } else {
        System.out.println("Pilihan Tidak Valid");
    }
} else if (pilihan == 2) {
    System.out.println("\n=== Login Mahasiswa ===");
    mahasiswa.login();
    MahasiswaActions actions = mahasiswa;
    mahasiswa.displayAppMenu();

    int menu = User.input.nextInt();
    User.input.nextLine();
    if (menu == 1) {
        actions.reportItem();
    } else if (menu == 2) {
        actions.viewReportedItems();
    } else {
        System.out.println("Pilihan Menu Tidak Valid");
    }
}

```

```

    } else {
        System.out.println("Pilihan Tidak Valid");
    }

    User.input.close();
}
}

Users
Admin

package com.praktikum.users;

import com.praktikum.actions.AdminActions;

public class Admin extends User implements AdminActions {
    protected String username;
    protected String password;

    public Admin(String name, int id, String username, String password) {
        this.name = name;
        this.id = id;
        this.username = username;
        this.password = password;
    }

    @Override
    public void login() {
        System.out.print("Masukkan Username: ");
        String inputUsername = input.nextLine();
        System.out.print("Masukkan Password: ");
        String inputPassword = input.nextLine();

        if (this.username.equals(inputUsername) && this.password.equals(inputPassword)) {
            System.out.println("Login Admin Berhasil. Selamat datang, " + this.name + "!");
        } else {
            System.out.println("Username atau Password salah.");
            System.exit(0);
        }
    }
}

@Override

```

```

public void manageltems(){
    System.out.println(">> Fitur Kelola Barang Belum Tersedia <<");
}
@Override
public void manageUsers(){
    System.out.println(">> Fitur Kelola Mahasiswa Belum Tersedia <<");
}
@Override
public void displayAppMenu() {
    System.out.println("\n--- Menu Admin ---");
    System.out.println("1. Kelola Barang");
    System.out.println("2. Kelola Pengguna");
    System.out.print("Pilih Menu: ");
}
}

```

Mahasiswa

```
package com.praktikum.users;
```

```
import com.praktikum.actions.MahasiswaActions;
```

```

public class Mahasiswa extends User implements MahasiswaActions {
    private String namaBarang;
    private String deskripsi;
    private String lokasi;

    public Mahasiswa(String name, int id) {
        this.name = name;
        this.id = id;
    }

    @Override
    public void login() {
        System.out.print("Masukkan Nama: ");
        String inputName = input.nextLine();
        System.out.print("Masukkan ID: ");
        int inputId = input.nextInt();
        input.nextLine();

        if (this.name.equals(inputName) && this.id == inputId) {
            System.out.println("Login Mahasiswa Berhasil. Selamat datang, " + this.name + "!");
        }
    }
}

```

```

    } else {
        System.out.println("Nama atau ID salah.");
        System.exit(0);
    }
}

@Override
public void reportItem(){
    System.out.println("===== Formulir Laporan Barang Hilang =====");

    System.out.print("Masukkan Nama Barang: ");
    namaBarang = input.nextLine();

    System.out.print("Masukkan Deskripsi Barang: ");
    deskripsi = input.nextLine();

    System.out.print("Masukkan Lokasi Terakhir/Ditemukan: ");
    lokasi = input.nextLine();

    System.out.println("\nLaporan berhasil dikirim!");
}

@Override
public void viewReportedItems(){
    if (namaBarang != null){
        System.out.println("Laporan Anda: ");
        System.out.println("Nama Barang : " + namaBarang);
        System.out.println("Deskripsi : " + deskripsi);
        System.out.println("Lokasi Terakhir : " + lokasi);
    } else {
        System.out.println(">> Belum ada laporan yang dikirim <<");
    }
}

@Override
public void displayAppMenu() {
    int menu;
    do {
        System.out.println("\n--- Menu Mahasiswa ---");
        System.out.println("1. Laporkan Barang Temuan/Hilang");
        System.out.println("2. Lihat Daftar Laporan");
        System.out.println("0. Logout");
        System.out.print("Pilih Menu: ");
    }
}

```

```

        menu = input.nextInt();
        input.nextLine();

        switch (menu) {
            case 1:
                reportItem();
                break;
            case 2:
                viewReportedItems();
                break;
            case 0:
                System.out.println("Logout...");
                break;
            default:
                System.out.println("Pilihan tidak valid.");
        }
    } while (menu != 0);
}
}

```

Users

```

package com.praktikum.users;

import com.praktikum.actions.UserActions;
import java.util.Scanner;

public abstract class User {
    protected String name;
    protected int id;
    public static Scanner input = new Scanner(System.in);

    @Override
    public abstract void login();
}

```

//Displayappmenu abstract class