CodeLabs UNIKOM

#./CodeLabs Java Training $echo "How To Create CRUD with SWING for GUI"

How to create GUI apps with mysql DBMS in java. How to use MVC (Model View Controller) design patern for CRUD in java desktop apps

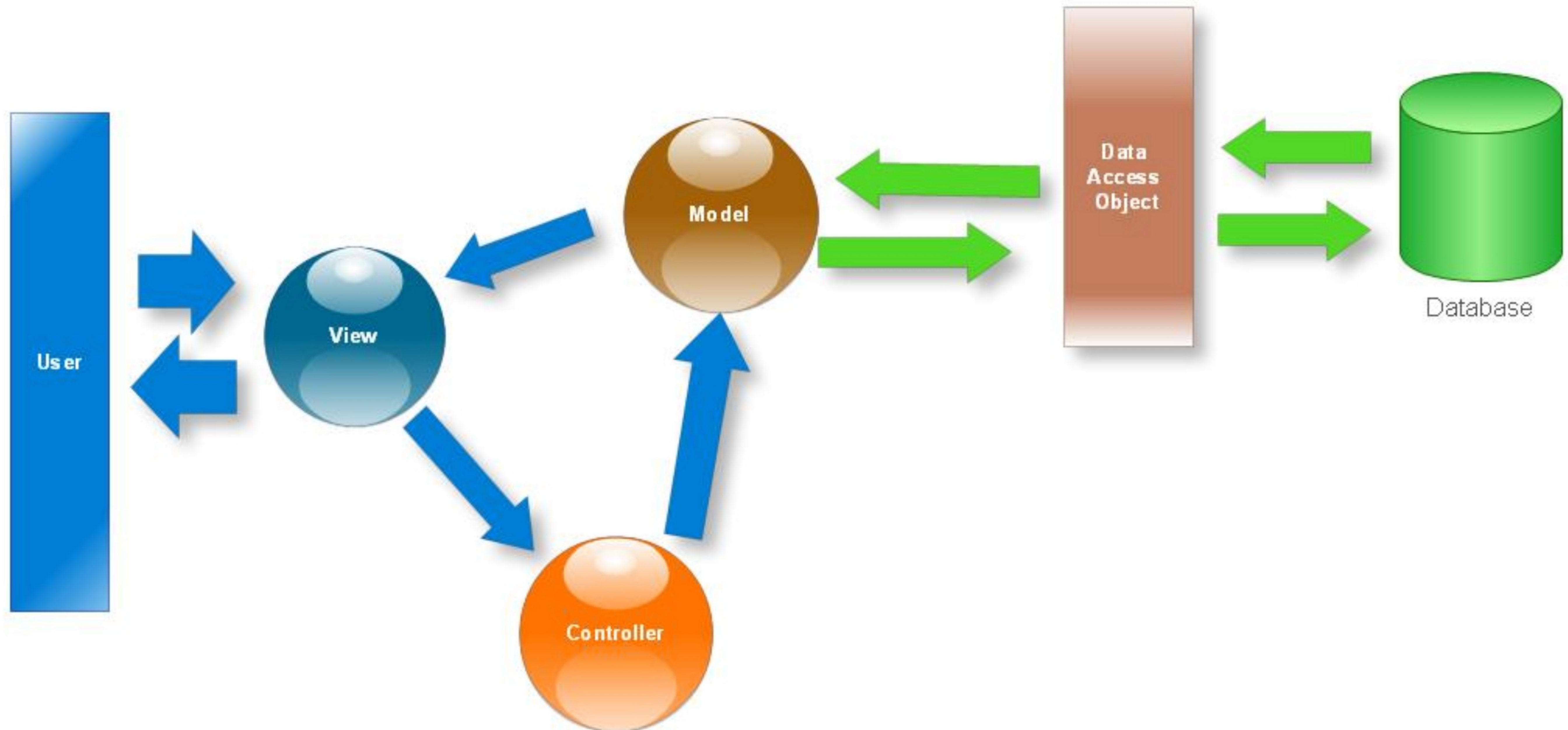Hendri Karisma

Teknik Infromatika

UNIKOM

2012

Prev Material

1. Encapsulation
2. Inheritance
3. Polimorphism
4. Generic Programming
5. Collection
6. Java Database

Components

1. java mysql driver
2. swing
3. mysql

Model View Contrller (MVC)

Class Diagram

pkg

<<interface>> MahasiswaListenerInt

+ tambahData() : void
+ editData() : void
+ hapusData() : void
+ simpanData() : void
+ cariData() : void

MahasiswaModel

- listener : MahasiswaListener
- nim : String
- nama : String
- alamat : String
- Entitiy : int

+ tambahDataMhs() : void
+ editDataMhs() : void
+ hapusDataMhs() : void
+ simpanDataMhs() : void
# fireOnTambah() : void
# fireOnHapus() : void
# fireOnEdit() : void
# fireOnCari() : void

MahasiswaEntity

- nim : String
- nama : String
- alamat : String

+ getNim() : void
+ getNama() : void
+ getAlamat() : void
+ setNim() : void
+ setNama() : void
+ setAlamat() : void

MahasiswaView

- textNim : JTextEdit
- textNama : JTextEdit
- textAlamat : JTextEdit
- textCari : JTextEdit
- buttonTambah : JButton
- buttonEdit : JButton
- buttonHapus : JButton
- buttonSimpan : JButton
- buttonCari : JButton

+ getTextNim() : JTextEdit
+ getTextNama() : JTextEdit
+ getTextAlamat() : JTextEdit

MahasiswaController

- view : MahasiswaView
- model : MahasiswaModel

+ tambahData() : void
+ hapusData() : void
+ cariData() : void
+ simpanData() : void
+ MahasiswaController() : void

MahasiswaDao

- conn : Connection
- insert : String
- update : String
- delete : String
- cari : String
- selectAll : String

+ insertData() : void
+ updateData() : void
+ deleteData() : void
+ cariData() : void
+ selectAllData() : void