**ONLINE AGRICULTURAL SYSTEM**

LOGIN.JAVA

package com.agri;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Login {

@Id

private String username;

private String password;

private String choice;

public Login() {

super();

}

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getChoice() {

return choice;

}

public void setChoice(String choice) {

this.choice = choice;

}

@Override

public String toString() {

return "Login [username=" + username + ", password=" + password + ", choice=" + choice + "]";

}

REGISTER.JAVA:

package com.agri;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Register {

@Id

private String name;

private String username;

private String password;

private String mailid;

public Register() {

super();

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getMailid() {

return mailid;

}

public void setMailid(String mailid) {

this.mailid = mailid;

}

@Override

public String toString() {

return "Register [name=" + name + ", username=" + username + ", password=" + password + ", mailid=" + mailid

+ "]";

}

}

FARMERLOG.JAVA:

**package** com.agri;

**public** **class** Farmerlog {

**private** String name;

**private** String mailid;

**private** String cropName;

**public** Farmerlog() {

**super**();

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getMailid() {

**return** mailid;

}

**public** **void** setMailid(String mailid) {

**this**.mailid = mailid;

}

**public** String getCropName() {

**return** cropName;

}

**public** **void** setCropName(String cropName) {

**this**.cropName = cropName;

}

@Override

**public** String toString() {

**return** "Farmerlog [name=" + name + ", mailid=" + mailid + ", cropName=" + cropName + "]";

}

}

VARIETALSELECTION.JAVA:

**package** com.agri;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** VarietalSelection {

@Id

**private** String seedName;

**private** String cropName;

**private** String cropType;

**private** String area;

**private** String typeOfMaturity;

**private** String grainType;

**public** VarietalSelection() {

**super**();

}

**public** String getSeedName() {

**return** seedName;

}

**public** **void** setSeedName(String seedName) {

**this**.seedName = seedName;

}

**public** String getCropName() {

**return** cropName;

}

**public** **void** setCropName(String cropName) {

**this**.cropName = cropName;

}

**public** String getCropType() {

**return** cropType;

}

**public** **void** setCropType(String cropType) {

**this**.cropType = cropType;

}

**public** String getArea() {

**return** area;

}

**public** **void** setArea(String area) {

**this**.area = area;

}

**public** String getTypeOfMaturity() {

**return** typeOfMaturity;

}

**public** **void** setTypeOfMaturity(String typeOfMaturity) {

**this**.typeOfMaturity = typeOfMaturity;

}

**public** String getGrainType() {

**return** grainType;

}

**public** **void** setGrainType(String grainType) {

**this**.grainType = grainType;

}

@Override

**public** String toString() {

**return** "VarietalSelection [seedName=" + seedName + ", cropName=" + cropName + ", cropType=" + cropType

+ ", area=" + area + ", typeOfMaturity=" + typeOfMaturity + ", grainType=" + grainType + "]";

}

}

PESTIDENTIFICATION:

**package** com.agri;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** PestIdentification {

@Id

**private** String cropName;

**private** String typeOfDisease;

**private** String pestName;

**private** String equipmentNeeded;

**public** PestIdentification() {

**super**();

}

**public** String getCropName() {

**return** cropName;

}

**public** **void** setCropName(String cropName) {

**this**.cropName = cropName;

}

**public** String getTypeOfDisease() {

**return** typeOfDisease;

}

**public** **void** setTypeOfDisease(String typeOfDisease) {

**this**.typeOfDisease = typeOfDisease;

}

**public** String getPestName() {

**return** pestName;

}

**public** **void** setPestName(String pestName) {

**this**.pestName = pestName;

}

**public** String getEquipmentNeeded() {

**return** equipmentNeeded;

}

**public** **void** setEquipmentNeeded(String equipmentNeeded) {

**this**.equipmentNeeded = equipmentNeeded;

}

@Override

**public** String toString() {

**return** "PestIdentification [cropName=" + cropName + ", typeOfDisease=" + typeOfDisease + ", pestName="

+ pestName + ", equipmentNeeded=" + equipmentNeeded + "]";

}

}

EQUIPMENT.JAVA:

**package** com.agri;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Equipment {

@Id

**private** String equipment;

**private** String equipmentType;

**private** Double cost;

**public** Equipment() {

**super**();

}

**public** String getEquipment() {

**return** equipment;

}

**public** **void** setEquipment(String equipment) {

**this**.equipment = equipment;

}

**public** String getEquipmentType() {

**return** equipmentType;

}

**public** **void** setEquipmentType(String equipmentType) {

**this**.equipmentType = equipmentType;

}

**public** Double getCost() {

**return** cost;

}

**public** **void** setCost(Double cost) {

**this**.cost = cost;

}

@Override

**public** String toString() {

**return** "Equipment [equipment=" + equipment + ", equipmentType=" + equipmentType + ", cost=" + cost + "]";

}

}

SELLERS.JAVA:

**package** com.agri;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Sellers {

@Id

**private** String Name;

**private** String address;

**private** Integer contact;

**private** String mailId;

**private** String userName;

**private** String password;

**public** Sellers() {

**super**();

}

**public** String getName() {

**return** Name;

}

**public** **void** setName(String name) {

Name = name;

}

**public** String getAddress() {

**return** address;

}

**public** **void** setAddress(String address) {

**this**.address = address;

}

**public** Integer getContact() {

**return** contact;

}

**public** **void** setContact(Integer contact) {

**this**.contact = contact;

}

**public** String getMailId() {

**return** mailId;

}

**public** **void** setMailId(String mailId) {

**this**.mailId = mailId;

}

**public** String getUserName() {

**return** userName;

}

**public** **void** setUserName(String userName) {

**this**.userName = userName;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

@Override

**public** String toString() {

**return** "Sellers [Name=" + Name + ", address=" + address + ", contact=" + contact + ", mailId=" + mailId

+ ", userName=" + userName + ", password=" + password + "]";

}

}

SEEDSELLER.JAVA:

**package** com.agri;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Seedsellers {

@Id

**private** String seedName;

**private** Integer quantity;

**private** Double cost;

**public** Seedsellers() {

**super**();

}

**public** String getSeedName() {

**return** seedName;

}

**public** **void** setSeedName(String seedName) {

**this**.seedName = seedName;

}

**public** Integer getQuantity() {

**return** quantity;

}

**public** **void** setQuantity(Integer quantity) {

**this**.quantity = quantity;

}

**public** Double getCost() {

**return** cost;

}

**public** **void** setCost(Double cost) {

**this**.cost = cost;

}

@Override

**public** String toString() {

**return** "Seedsellers [seedName=" + seedName + ", quantity=" + quantity + ", cost=" + cost + "]";

}

}

PESTICIDESELLER.JAVA:

package com.agri;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class PesticideSeller {

@Id

private String seedName;

private String landType;

private Integer usage;

private Boolean stock;

public PesticideSeller() {

super();

}

public String getSeedName() {

return seedName;

}

public void setSeedName(String seedName) {

this.seedName = seedName;

}

public String getLandType() {

return landType;

}

public void setLandType(String landType) {

this.landType = landType;

}

public Integer getUsage() {

return usage;

}

public void setUsage(Integer usage) {

this.usage = usage;

}

public Boolean getStock() {

return stock;

}

public void setStock(Boolean stock) {

this.stock = stock;

}

@Override

public String toString() {

return "PesticideSeller [seedName=" + seedName + ", landType=" + landType + ", usage=" + usage + ", stock="

+ stock + "]";

}

}

SQL QUERIES:

Create table login (username varchar(20),password varchar(20),choice varchar(10));

Alter table login add primary key(username);

Create table register (username varchar(20),name varchar(20),password varchar(20),choice varchar(10),mailid varchar(20));

Alter table register add primary key(username);

Create table farmerlog (name varchar(20),mailid varchar(20),cropname varchar(20));

Alter table farmerlog add primary key(mailid);

Create table varietalselection (seedname varchar(20),cropname varchar(20),croptype varchar(20),area varchar(20),typeofmaturity varchar(20),graintype varchar(20));

Create table pestidentification (cropname varchar(20),typeofdisease varchar(20),pestname varchar(20),equipmentneeded varchar(20));

Create table equipment (equipmentname varchar(20),equipmenttype varchar(20),cost int(10));

Create table sellers(name varchar(20),address varchar(50),contact int(10),emailid varchar(20),username varchar(20),password varchar(20));

Create table seedsellers(seedname varchar(20),quantity int(4),cost int(5));

Create table pesticideseller(seedname varchar(20),landtype varchar(20),usage int(5),stock varchar(20));