SPIN

Student Performance Information Network

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Information Overload

Nearly 500 students
4 branches
3 programs

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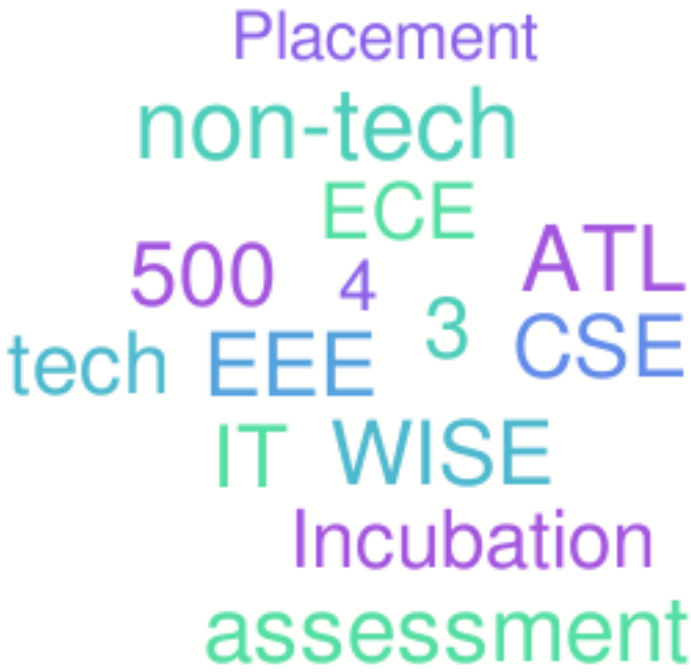
- What is happening?
- How are we doing?



Silver Bullet

SPIN - A common platform for students and management .

Purpose

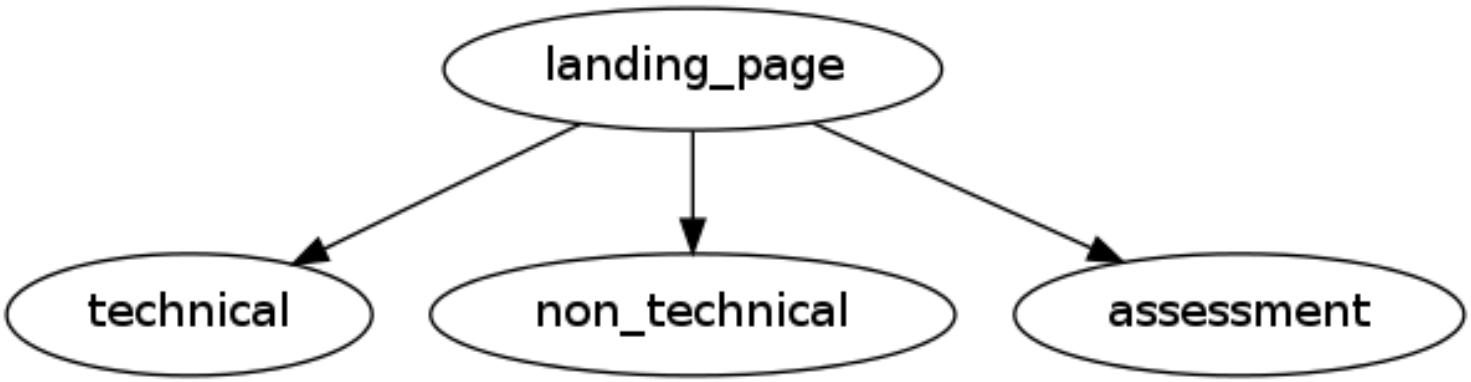
Student View

Get notified with technical and non-technical information.

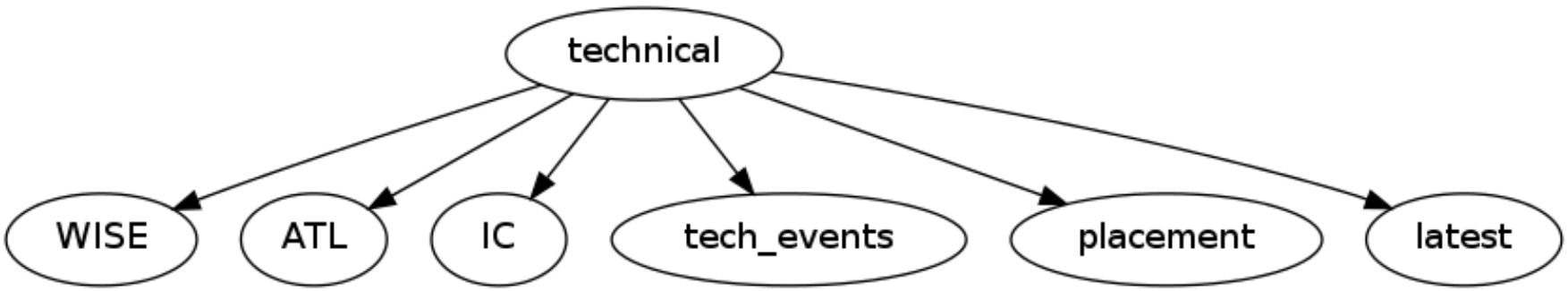
Management Perspective

- Analyse overall performance of students.
- Know details of the programs.
- Know the effectiveness of the programs being conducted.

Application Taxonomy



Application Taxonomy



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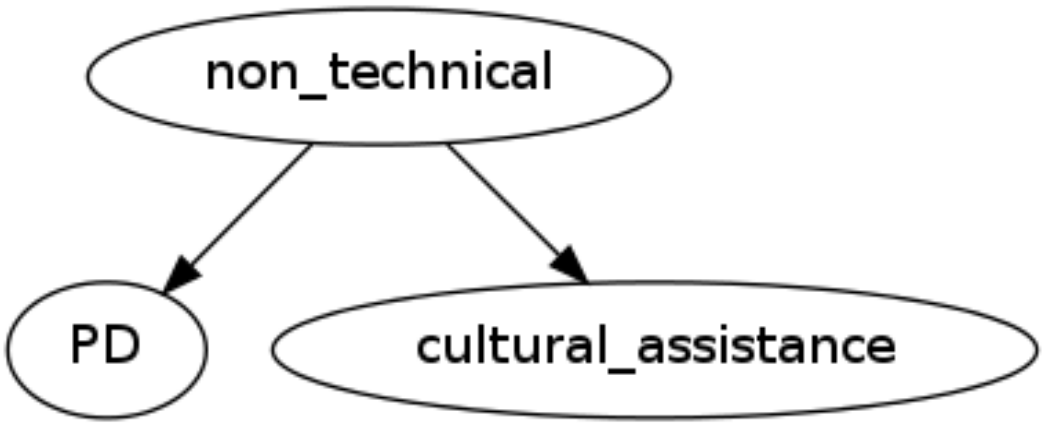

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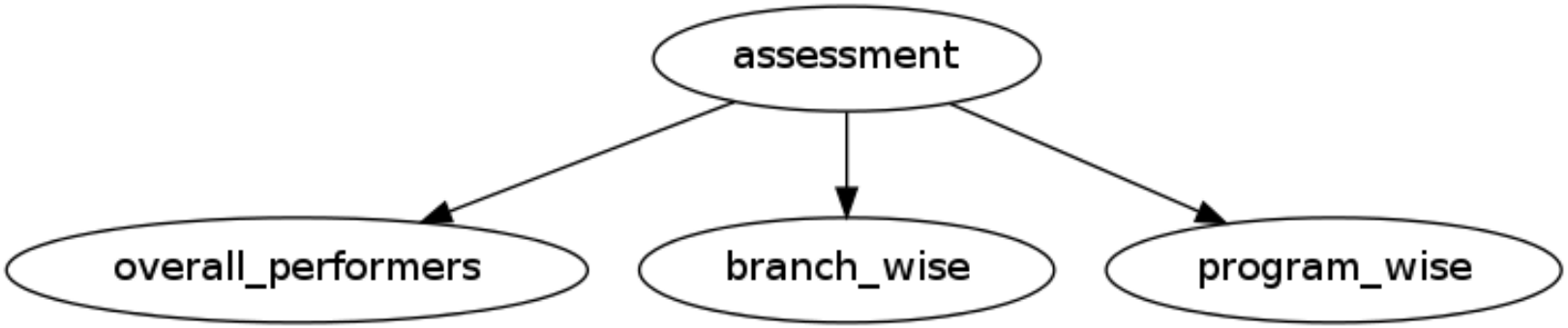


Modules

Notification Module

Notifications Delivered.

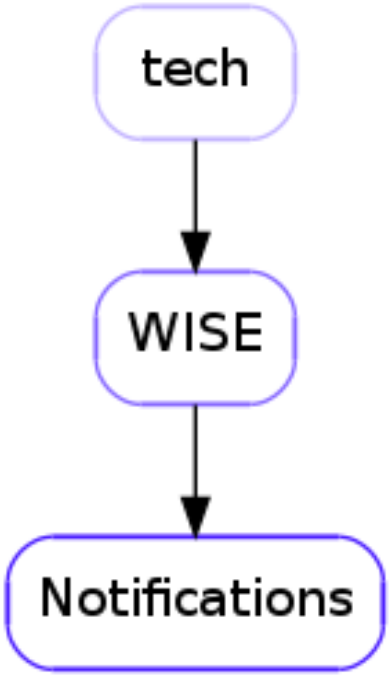
Assessment Module

Student Achievements showcased.

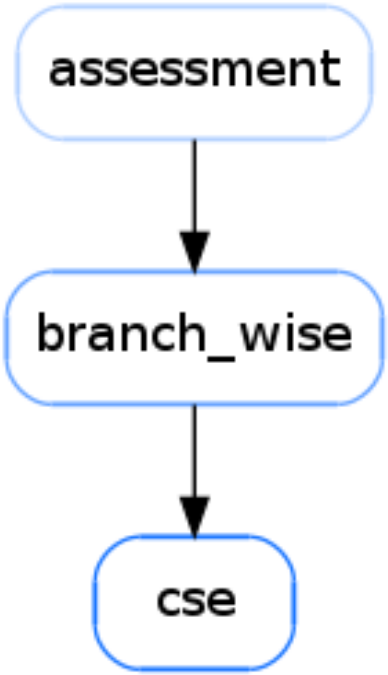
Admin Module

- Publish the content to be notified.
- Maintain database.

Flow



WISE Notifications



CSE Students Info

Learnt

- Project Development Cycle
- Design Database
- JDBC
- Servlets
- Inotify
- Graphviz
- Text Processing and Code Generation

```
COMMA = ','
SQ = "'"
for line in open("filename"):
        rollnumber , name , phonenum , bid = line.strip().split(COMMA)
        print "insert into table_name values(rollnumber = " + SQ + rollnumber +SQ + COMMA +"name = " +SQ+n
ame+SQ+ COMMA + "phonenum = "+phonenum+ COMMA +"bid = "+bid+")"
```

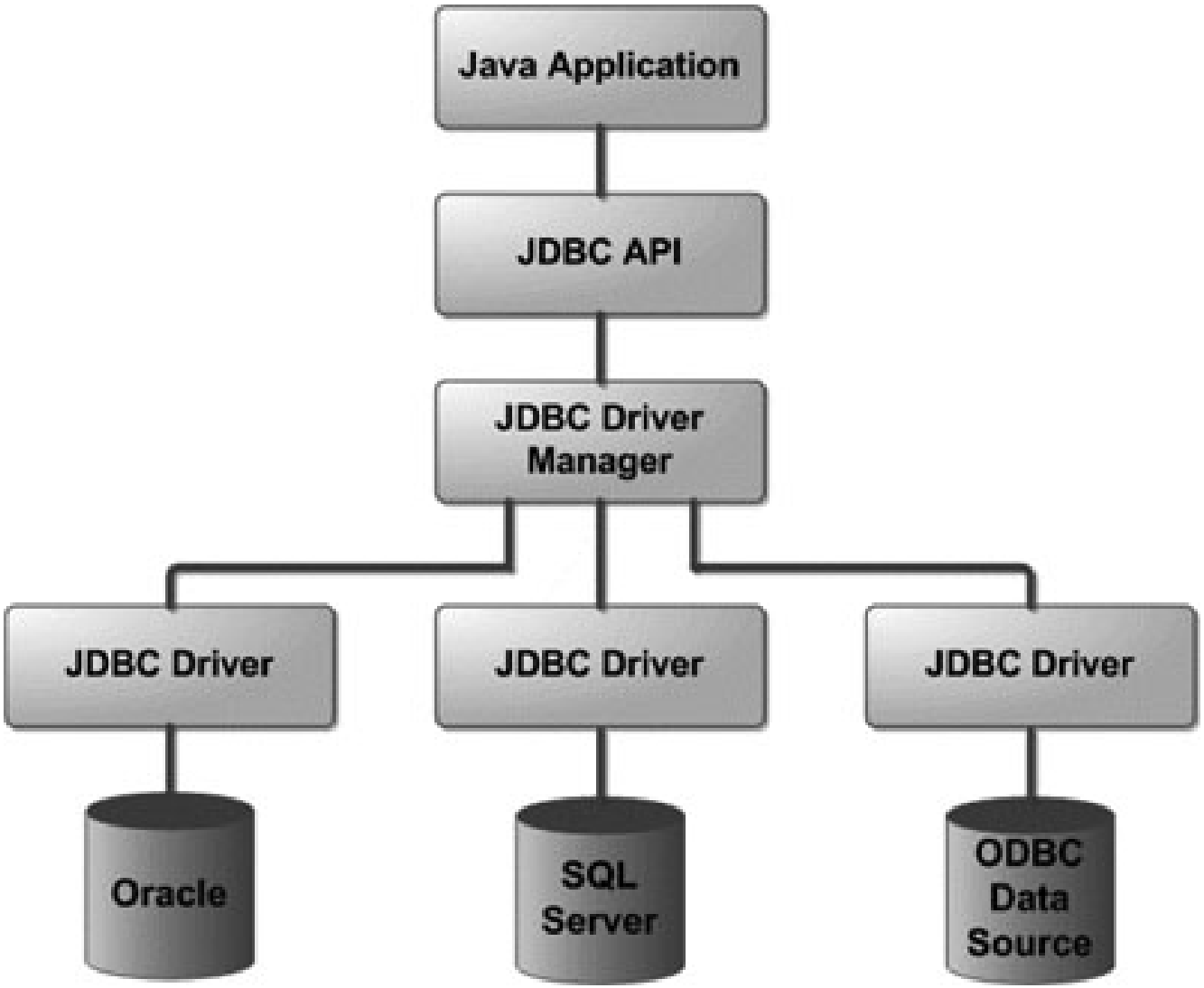
Tools

- HTML,CSS,JQuery
- J2SE 5.0
- Apache tomcat 7
- MySQL
- File Alteration Monitor

A quick look at the database

```
mysql> select * from wise_enrollment;
+------------+----------+--------+-------+
| rollno     | mod_code | status | marks |
+------------+----------+--------+-------+
| 12WH1A0201 | JSI      | PASSED |     6 |
| 12WH1A0202 | JSI      | PASSED |    11 |
| 12WH1A0203 | JSI      | PASSED |    15 |
| 12WH1A0204 | JSI      | PASSED |     4 |
| 12WH1A0205 | JSI      | PASSED |     2 |
| 12WH1A0206 | JSI      | PASSED |     4 |
| 12WH1A0207 | JSI      | PASSED |    20 |
| 12WH1A0208 | JSI      | PASSED |    12 |
| 12WH1A0209 | JSI      | PASSED |     9 |
| 12WH1A0210 | JSI      | FAILED |     0 |
| 12WH1A0211 | JSI      | PASSED |    19 |
| 12WH1A0212 | JSI      | PASSED |    11 |
| 12WH1A0213 | JSI      | PASSED |     8 |
| 12WH1A0214 | JSI      | PASSED |    21 |
| 12WH1A0215 | JSI      | PASSED |     9 |
| 12WH1A0216 | JSI      | PASSED |     6 |
| 12WH1A0217 | JSI      | PASSED |     5 |
| 12WH1A0218 | JSI      | PASSED |    17 |
| 12WH1A0219 | JSI      | PASSED |    11 |
```

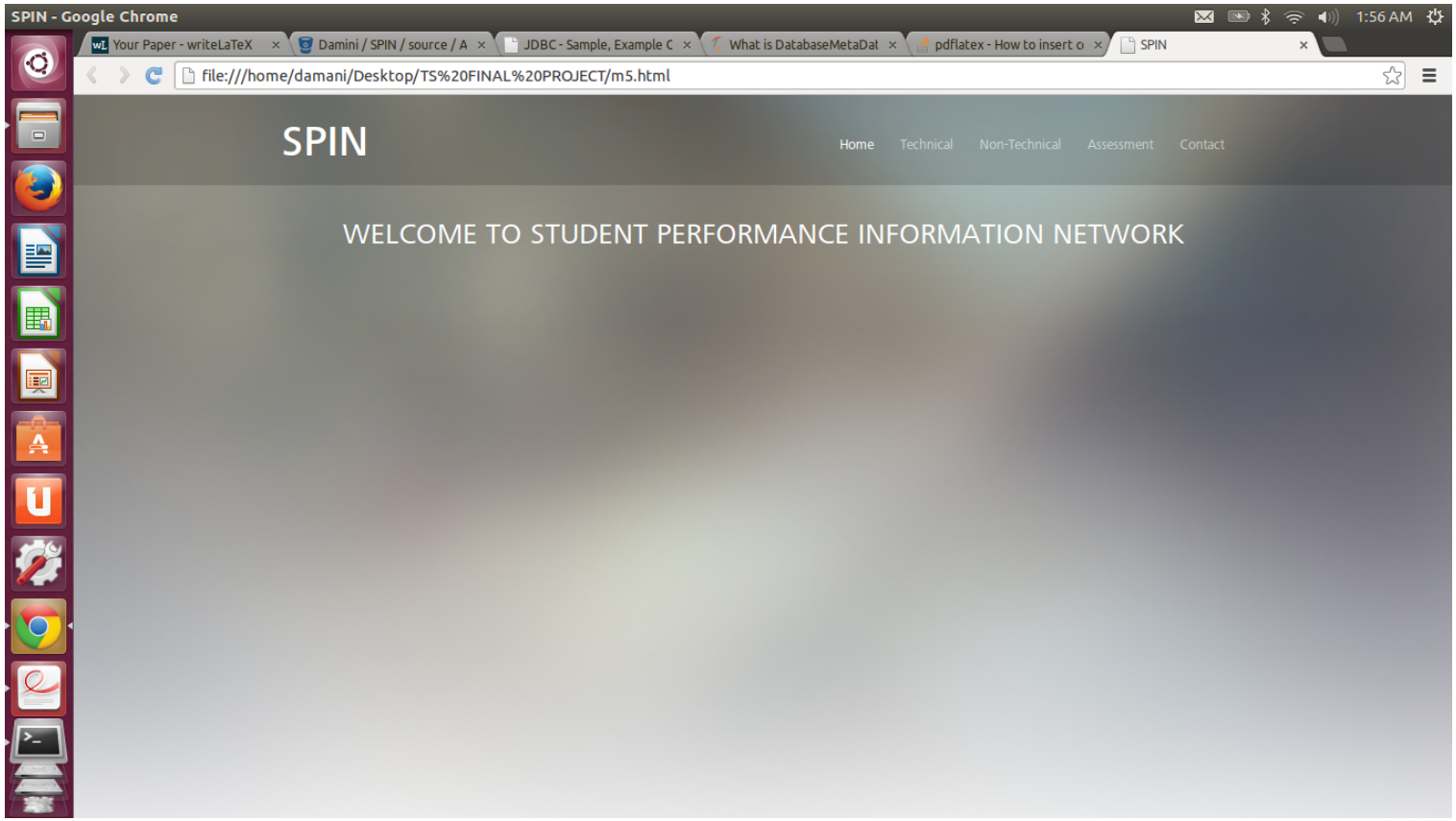
Java DataBase Connectivity



Admin Code

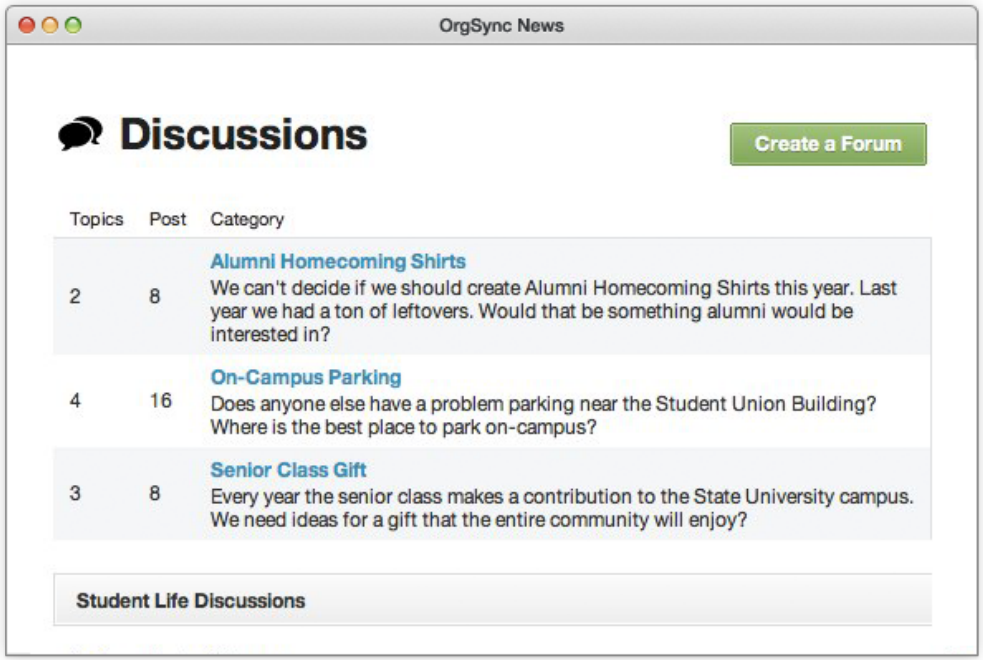
```
1  import java.sql.Connection;
2  import java.sql.DriverManager;
3  import java.sql.PreparedStatement;
4  import java.sql.ResultSet;
5  import java.sql.SQLException;
6  import java.sql.Statement;
7  import java.util.Date;
8
9  public class MySQLAccess {
10   private Connection connect = null;
11   private Statement statement = null;
12   private PreparedStatement preparedStatement = null;
13   private ResultSet resultSet = null;
14
15   public void readDataBase() throws Exception {
16     try {
17       Class.forName("com.mysql.jdbc.Driver"); //JDBC Driver for mySQL
18       connect = DriverManager
19           .getConnection("mysql -u root -p"
20               + "user=sqluser&password=sqluserpw"); // connecting to the database
21
22       statement = connect.createStatement(); // Allows to connect sql query to database
23
24       resultSet = statement
25           .executeQuery("select * from student_details"); // Result of the sql query
26       writeResultSet(resultSet);
27
28
29       preparedStatement = connect
30           .prepareStatement("insert into student_details values (?, ?, ?, ? , ?)");
31       preparedStatement.setString(1, "rollno");
32       preparedStatement.setString(2, "name");
33       preparedStatement.setString(3, "branch");
34       preparedStatement.setInt(4, "phno");
35       preparedStatement.setInt(5, "parent_phno");
36       preparedStatement.executeUpdate();
```

Outer Appearance



Coming Up

- Discussion Forum
- User Posting



conclusion

- SPIN is compelled to only our college.
- A special project since it is getting impletmented in our own college.

thank you
danke
謝謝
ngiyabonga
teşekkür ederim
gracias
merci
obrigado
dziękuję
bedankt
спасибо
go raibh maith agat
mochchakkeram
sukriya
kop khun krap
terima kasih
grazie
arigatô
dakujem
takk
tapadh leat
dank je
mauruuru
hvala
sagolun
taiku
감사합니다
ありがとう
ευχαριστώ
мерси
хвала
Баярлалаа
рахмат
mersi
barka
welalin
tack
spas
kia ora
vinaka
blagodaram
misaotra
matondo
paldies
grazzi
mahalo
faafetai lava
kiitos
dankie
dhanyavad
nanni
nandri
bayarlalaa
gràçie
köszönöm
enkosi
akun
dankon
aciù
djiere dieuf
tau
дякую
mamnun
murakoze
tenki
asante
manana
obrigada
chokrane
chnorakaloutioun
gratias ago
gràcies
sulpáy
sobodi
dēkuji
mèsi
didi madloba
najis tuke
kam sah hamnida
rahmat
tanemirt
rahmet
diolch
dhanyavadagalu
shukriya
mercé
trugarez
xièxie
তোমাকে ধন্যবাদ