Report for the course Enrollment system

SCS2104 - Take home

Assignment

PREPARED FOR

NSBM Green University

PREPARED BY

S.B.M.L.Madushan

16000838

Introduction

This report is about the course enrollment system for NSBM Green University.

With this system administrator can control the student enrollments of all faculties in NSBM.

The System not only manage course enrollment of students but also keep personal details of students, teachers and Instructors, Keep track of performances of each student in their exams, Payments made by students and many more .

1. Student Registration

➢ Register Undergraduate Students
➢ Register Postgraduate Students

2. Manage Students

➢ Manage Undergraduate Students
➢ Manage Postgraduate Students

3. Add and Manage Teachers

➢ Add Teacher
➢ Edit Teacher

# 4. Add and manage Instructors

➢ Add Instructor
➢ Edit Instructor

5. Manage Academics

➢ Add Result
➢ Send result as Email
➢ Make Payments
➢ Edit Payments
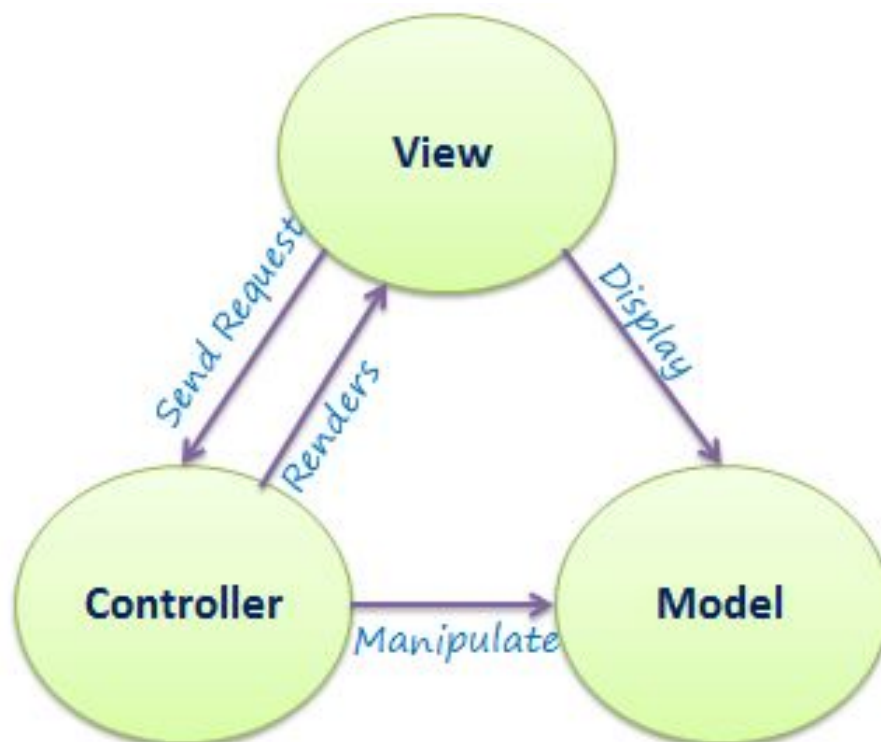➢ Add Courses
➢ Add Subjects
➢ Assign subjects to students

Assumptions

➢ One instructor can teach only one subject.
➢ One teacher can teach multiple subjects.
➢ Administrator assign teachers,instructors and venues for each subject manually.
➢ Payments are paid to casier in NSBM.

ER Diagram
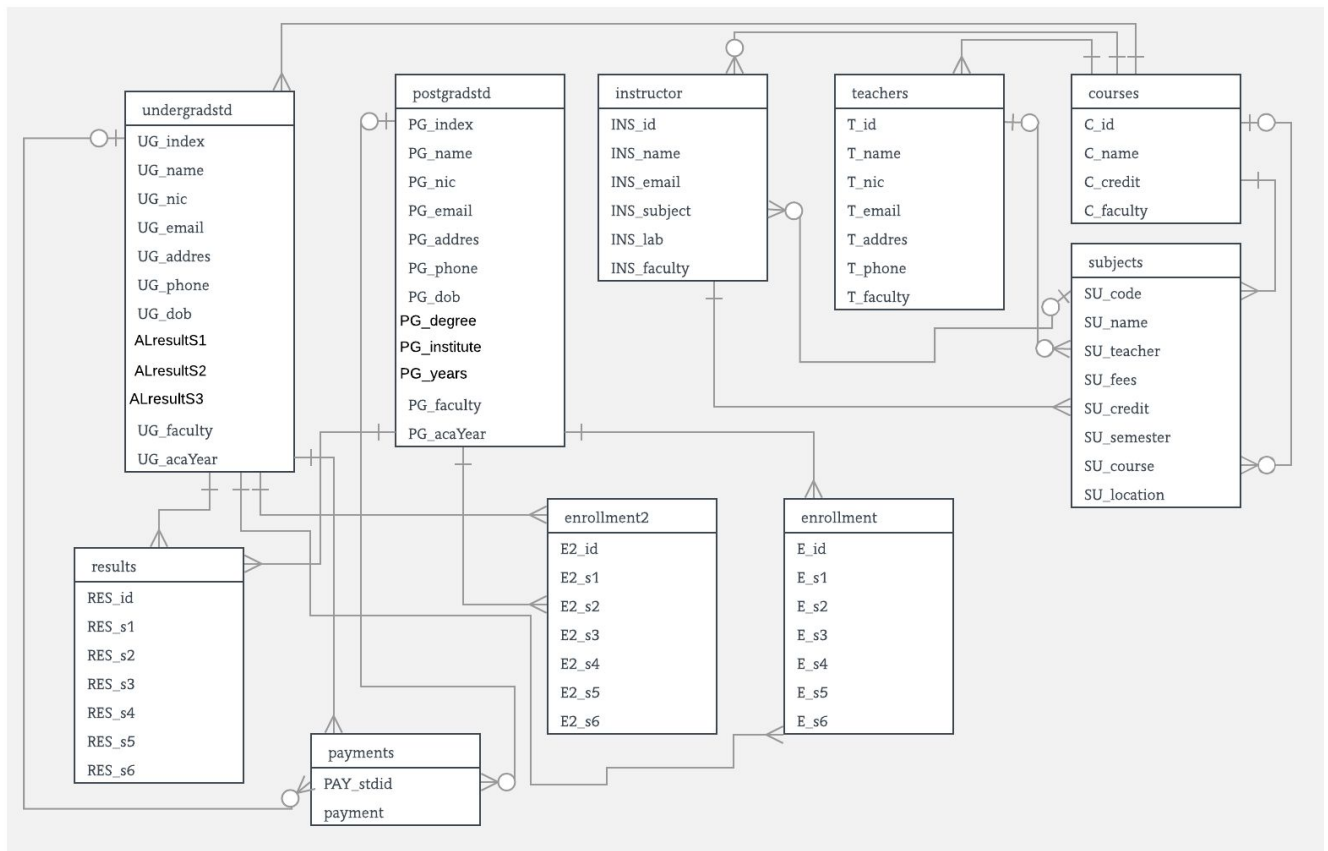
System Architecture

MVC Architecture

Used Libraries and Drivers

- ➢ MySQL JDBC Driver
- ➢ JDK 1.8
- ➢ Swing Layout Extensions
- ➢ Mail
- ➢ httpclient-4.0.1

Home Page

Student Teacher Course Subject Result Payment

Hi admin!!!

UG Student Count = 0

Subject = 0

PG Student Count = 2

Instructors = 0

Teachers = 0

Courses = 0

SOC UG Student Count = 0

SOE UG Student Count = 0

SOM UG Student Count = 0

SOC PG Student Count = 2

SOE PG Student Count = 0

SOM PG Student Count = 0

Activate Windows
Go to Settings to activate Windows

17:04
21/08/2018

Add Undergraduate students.

- Click "Add UG Student" In the dropdown menu in the taskbar.

- Fill the fields of "New Ug Student" Page.
- Then Click Submit Button.

Edit Details of Undergraduate Students and Remove.

- Enter Students' Name or index number in the Search field.
- Select the student from the table by clicking.
- Edit required field and submit to save.
- To remove student follow same procedure and click remove button.

Add post graduate students.

- Fill the fields and click submit to add new student.

Edit or Remove Post graduate students

- Enter Index number or name in the search field.
- Select correct one from the table by clicking.
- Edit required fields.
- Click Edit to save.
- To remove student select the student and Click Remove.

Add teacher

- Click "Add Teacher".

- Fill all Required field and click submit to Add new teacher.

Edit Teachers details or remove teacher.

- Enter the index number or Name in the search field.
- Select correct one from table.
- Edit required fields and click Edit button to save changes.
- To remove a teacher Select the teacher and Click Remove.

Add, Edit, Remove Instructors.

- Select Add new Instructor from taskbar.
- Fill all required fields of the page and Click submit to save.

- Enter index or name in the search field And select correct one from the table.
- Edit Required fields and click Edit to save.
- Select the teacher that wanted to remove and click remove.

Add, Edit and Remove Courses

Add course

- Fill Fields in the page and click Add to add a new Course.

Edit course

- Enter Course ID or course name.
- Select the course from the table.
- Edit Required fields and click edit to save.

Remove course

- Enter Course ID or course name.
- Select the course from table.

- Click Remove to delete the course.

Add, Edit and Remove Subjects.

Add course

- Fill Fields in the page and click Add to add a new Subject.

Edit course

- Enter Subject code or subject name.
- Select the subject from the table.
- Edit Required fields and click edit to save.

Remove course

- Enter Subject code or subject name.
- Select the subject from table.
- Click Remove to delete the subject.

Add, Edit and Remove Enrollments.

Add Enrollment

- Fill Fields in the page and click Add to add a new Enrollment.

Edit Enrollment

- Enter Student ID or student name.
- Select the Enrollment from the table.
- Edit Required fields and click edit to save.

Remove Enrollment

- Enter Student ID or student name.
- Select the Enrollment from table.

- Click Remove to delete the Enrollment .

Add, Edit and Remove Results.

Add Result

- Fill Fields in the page and click Add to add a new **Result**.

Edit Result

- Enter Student ID or student name.
- Select the Result from the table.
- Edit Required fields and click edit to save.

Remove Result

- Enter Student ID or student name.
- Select the Result from table.
- Click Remove to delete the Result.

Edit Payments
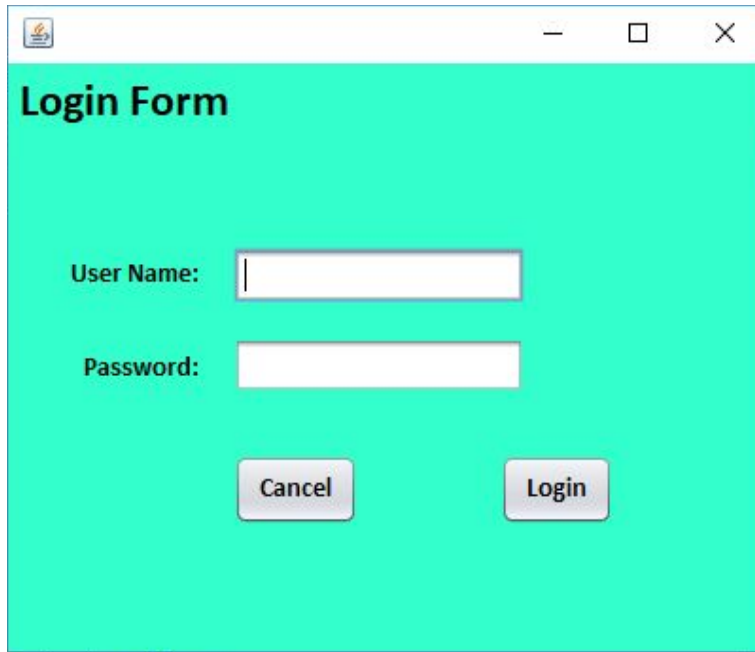

Edit Result

- Enter Student ID or student name.
- Select the payment from the table.
- Edit Required fields and click edit to save.

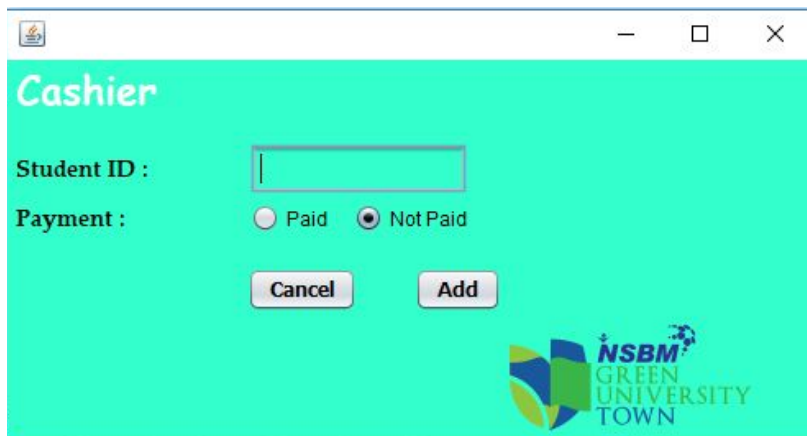**Login to the System**

- To login to the system should enter matching set of Username and password.
- If matching set of Username and password for the system admin is entered it will continue to the home page.
- If matching set of Username and password for the cashier is entered it will continue to the cashiers page(window).

Cashier page

Send result by Email

- Enter the Index number of the student.
- Click on the table.
- Click Send to send email.