SCS2104 PROGRAMMING 3
TAKE HOME ASSIGNMENT REPORT.

D.D.Tharaka

16001443(2016/cs/144)

USERNAME

PASSWORD

LOGIN

This is the user login page. User enters username and password and system validates them both and if they are correct then it will load the home page otherwise it gives an error message to the user.

HOME

NSBM GREEN UNIVERSITY TOWN

- HOME
- STUDENT
- REGISTRATION
- SEMESTER
- LECTURER
- SUBJECTS
- COURSE WORK
- INSTRUCTOR
- RESULTS

FACULTY OF COMPUTING

Total Number Of Students	1
Total Number Of Lecturers	2
Total Number Of Subjects	3

This is the home page it shows current number of students, lecturers and subjects according to the faculty that has selected by the user. This window will load when user clicks on the 'HOME'.

NSBM GREEN UNIVERSITY TOWN

DATE 22-08-2018
TIME 04:30:01 PM

STUDENT DETAILS

HOME

STUDENT

REGISTRATION

SEMESTER

LECTURER

SUBJECTS

COURSE WORK

INSTRUCTOR

RESULTS

STUDENT ID   S

FIRST NAME

LAST NAME

E-MAIL

ADDRESS

BIRTHDAY
(YYYY-MM-DD)

TELEPHONE
(xxx-xxxxxxx)

GENDER   MALE

| Save | Update | Delete |

Student ID	First Name	Last Name	Address	Date Of Birth	Email	Telephone
S2	Udari	Vimansana	Gampaha	1989-10-17	udari@gmail.com	077-7609476
S3	Charini	Wickramathilake	Matara	1995-02-05	charini@gmail.com	076-5467832
S4	Nirmani	Gunathilaka	Galle	1997-01-01	nirmani@gmail.com	097-8654321
S5	Lasitha	Wijethilaka	Hapugala	1994-05-10	lasitha@gmail.com	097-1234567

When user clicks 'STUDENT' label on the left panel it loads student details panel. Here user keep the basic details of a student. If a student wants to complete both Bsc and Msc degree he or she has the same student id for both degrees. If we want to save a student first have to fill all the fields. System checks validity of the email address, Birthday, Telephone number. After user clicks on the save button if successfully saved, then system shows student details in a table .Otherwise it shows an error message. If we want to delete or update a student ,first user should select the row from the table. Then system loads data to the fields automatically. After user can delete or update an existing student. If it is not successfully deleted or updated system shows an error message.

NSBM GREEN UNIVERSITY TOWN

STUDENT REGISTRATION

- HOME
- STUDENT
- REGISTRATION
- SEMESTER
- LECTURER
- SUBJECTS
- COURSE WORK
- INSTRUCTOR
- RESULTS

FACULTY   FACULTY OF COMPUTING

STUDENT ID   S

SCHOOL

Z-SCORE

YEAR OF A/L

COURSE (DEGREE)   BSc   INTAKE   FEBRUARY

REGISTRATION ID

A/L RESULTS

Registration ID	Student Name	Degree	Date
UCO3	Charini Wickramathilake	BSc	2018-08-17

SAVE   UPDATE   DELETE

NSBM GREEN UNIVERSITY TOWN

STUDENT REGISTRATION

- HOME
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FACULTY   FACULTY OF ENGINEERING

STUDENT ID   S 5

SCHOOL

Z-SCORE

YEAR OF A/L

COURSE (DEGREE)   BSc   INTAKE   JULY

REGISTRATION ID   UEN5

A/L RESULTS

Registration ID	Student Name	Degree	Date

SAVE   UPDATE   DELETE

STUDENT REGISTRATION

DATE 22-08-2018
TIME 10:54:04 PM

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FACULTY: FACULTY OF ENGINEERING

COURSE (DEGREE): MSc

INTAKE: FEBRUARY

STUDENT ID: S 5

REGISTRATION ID: PEN5

INSTITUTE:

QUALIFICATION:

YEAR:

Registration ID	Student Name	Degree	Date

SAVE UPDATE DELETE

When user clicks 'REGISTRATION' label on the left panel it loads student registration panel. This registers a student according to the degree. For a new student first user should select the faculty and degree ,after type the student ID then System automatically generates a registration ID using student ID ,degree name and faculty name. Undergraduate panel and Postgraduate Panel will load according to the selected course type(Degree). The table will load all registered students which are relevant to the selected faculty and degree. If user wants to delete or update a registered student ,first select a row from the table then system loads data to the fields automatically. Whenever the user types student id system searches whether that student is already registered.

LECTURER DETAILS

FACULTY FACULTY OF COMPUTING

LECTURER ID

ADDRESS

LECTURER NAME

EMAIL

GENDER FEMALE

MOBILE NUMBER

(xxx-xxxxxxx)

[SAVE] [DELETE] [UPDATE] [ADD SUBJECTS]

Lecturer ID	Lecturer Name	Address	Email	Mobile Number	Gender	Faculty
L001	Dimuthi	Galle	dimuthi@gmail.com	077-6094767	FEMALE	FACULTY OF COMPUTING
L007	Chathuri Weerasinghe	Kottawa	chweer@yahoo.com	071-9843098	FEMALE	FACULTY OF COMPUTING

Subject Code	Subject Name	Credits

Left panel navigation: HOME, STUDENT, REGISTRATION, SEMESTER, LECTURER, SUBJECTS, COURSE WORK, INSTRUCTOR, RESULTS

When user clicks 'LECTURER' label on the left panel it loads lecturer details panel. When user selects a faculty , system shows lecturers relevant to the selected faculty in a table (table in below). If user wants to add a new lecturer user should fill all fields . system checks validity of the email address and the telephone number. After user clicks on the save button system adds the lecturer in to the table. If it does not saved successfully system shows an error message to the user. And also system searches lecturers when user types lecturer id. If user wants to update or delete lecturer ,first user should click on a row in the table. Then system automatically loads data to fields. Subjects can assign to a lecturer, for that first select a row from the lecturer table, then click on the 'add subject' button . After that system will load the subject panel.

Already assigned subjects will load to the subject table in lecturer panel by select a row from the lecturer table.

LECTURER DETAILS

FACULTY	FACULTY OF COMPUTING	**LECTURER ID**	L001
ADDRESS	Galle	**LECTURER NAME**	Dimuthi
EMAIL	dimuthi@gmail.com	**GENDER**	FEMALE
MOBILE NUMBER	077-6094767		

(xxx-xxxxxxx)

SAVE	DELETE	UPDATE	ADD SUBJECTS

Lecturer ID	Lecturer Name	Address	Email	Mobile Number	Gender	Faculty
L001	Dimuthi	Galle	dimuthi@gmail.com	077-6094767	FEMALE	FACULTY OF COMPUTING
L007	Chathuri Weerasinghe	Kottawa	chweer@yahoo.com	071-9843098	FEMALE	FACULTY OF COMPUTING

Subject Code	Subject Name	Credits
IT1	Information Technology 1	3
MAT 113	Mathematics	2

HOME

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SUBJECTS

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FACULTY	FACULTY OF COMPUTING	LECTURER ID	L007
SEMESTER	Year 1 Semester 1	LECTURER NAME	Chathuri Weerasinghe
SUBJECT CODE		DEGREE	BSc
CREDITS		SUBJECT NAME	
FEE			

SAVE **DELETE** **UPDATE**

Sub Code	Degree	Subject Name	Lecturer	Credits	Fee
MAT 113	BSc	Mathematics	Dimuthi	2	2300.0
MAT114	BSc	Maths 4	Chathuri Weerasinghe	3	3000.0

Subject panel loads with details of the lecturer (faculty of the lecturer, lecturer id and name) Subject table will show subjects which are relevant to the faculty, selected semester, selected degree. User have to select semester, degree, type subject code , subject name , type credits ,type fee of the subject before save. If it does not saved successfully system shows an error message to the user. One or more subjects can assigned to a lecturer at the same time. User can update or delete an entry before that user should click on a row in the table.

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INSTRUCTOR DETAILS

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FACULTY — FACULTY OF ENGINEERING

INSTRUCTOR ID

FIRST NAME

LAST NAME

ADDRESS

TELEPHONE
(xxx-xxxxxxx)

EMAIL

GENDER — MALE

SUBJECT CODE — CS2

SUBJECT NAME — Computer Systems

SAVE   UPDATE   DELETE

Instructor ID	First Name	Last Name	Address	Telephone	Gender	Email
I001	Pushpa	Damayanthi	Galle	077-7609476	MALE	p@gmail.com

This panel loads when user clicks on 'INSTRUCTOR' label in left panel. The table will shows instructors which are relevant to the selected faculty and the selected subject code. When subject code selects, system automatically loads subject name to a label. And system checks validity of the telephone number and email . After saving an instructor system shows it in the table .if it does not successfully saved it shows an error message and does not load to the table. Before update or delete an instructor ,user should clicks on the relevant instructor details row in the table .When clicking on the row, row data is loaded to the fields.

SEMESTER REGISTRATION

SEMESTER REGISTRATION ID   UCO5Y1S1

Register only for second semester

FACULTY   FACULTY OF ENGINEERING

SEMESTER   Year 1 Semester 1

REGISTRATION ID   UCO5

STUDENT NAME   Lasitha Wijethilaka

SUBJECT CODE   PHY 183

SUBJECT NAME   Physics

[Add Subject]   [Remove Subject]   [Save]   [Delete]   [To Payments]

Semester Registration ID	Registration ID	Student Name	Date
UCO2Y1S1	UCO2	Udari Vimansana	2018-08-16
UCO4Y1S1	UCO4	Nirmani Gunathilaka	2018-08-22
UCO5Y1S1	UCO5	Lasitha Wijethilaka	2018-08-22

Subject Code	Subject Name	Credits	Fee
CS2	Computer Systems	2	3000.0
MAT2	Mathematical Methods 2	3	4000.0
PHY 183	Physics	4	53.0

TOTAL CREDITS   9   **TOTAL FEE**   7053.0

Left panel: HOME, STUDENT, REGISTRATION, SEMESTER, LECTURER, SUBJECTS, COURSE WORK, INSTRUCTOR, RESULTS

Each registered student have to register for each semester. This loads when clicks on the 'SEMESTER' in left panel. First user should select the semester from the combo box. Then types the registration ID. System automatically generates a semester registration ID using both registration id and the semester name and loads student name. System loads all subjects relevant to the faculty in to the combo box. When select a subject code system automatically generates subject name to a label. User can add subjects to a student .Can remove subjects that has already added ,by selecting the row of the subject table below and click remove subject button. After all subjects are added student can save with subjects   .total credits and total fee calculate automatically when adding subjects .User can search subjects that has selected by a student by select the row of student table in the panel.

After a student has selected all subjects student can make payments.(they can pay in installments). For that first select the row(Student details) from student table(first table) then click 'to payment' button. System will load payment panel. System automatically sets Semester registration ID, Total fee , and student name in payment panel.

PAYMENT DETAILS

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PAYMENT ID	PUCO5Y1S1	1
SEMESTER REGISTRATION ID	UCO5Y1S1	
STUDENT NAME	Lasitha Wijethilaka	
TOTAL FEE	7053.0	
AMOUNT TO PAY	3053.0	
PAYING AMOUNT	4000	

Save   Update   Delete

Payment ID	Total Fee	Paid	Date
PUCO5Y1S11	7053.0	4000.0	2018-08-22

User have to enter payment ID, paying amount before save. System automatically calculates amount to pay. If a student pays in installments : to pay for the rest , again should go to the semester panel and do the same process. If Successfully saved details are showed in a table otherwise gives an error message . Before update or delete an payment details user should clicks on the relevant payment details row in the table.

COURSE WORK DETAILS

DATE 22-08-2018
TIME 10:56:08 PM

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FACULTY   FACULTY OF COMPUTING   COURSE WORK TYPE   Assignment

SUBJECT CODE   IT1   SEMESTER   Year 1 Semester 1

SUBJECT NAME   Information Technology 1   COURSE WORK NAME

Save   Update   Delete

Course Work

This UI loads when click on the 'COURSE WORK' label in the left panel .When user selects a faculty , all subjects relevant to that faculty will load and when select subject code subject name display automatically. Here coursework type is either exam or assignment . coursework name means names of assignments and exams .

EXAMINATION RESULTS

DATE 22-08-2018
TIME 11:13:45 PM

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RESULTS

SEMESTER REGISTRATION ID   UCO3Y1S1

COURSE WORK TYPE   Assignment

MARKS

COURSE WORK   Assignment1

SUBJECT CODE   MAT 113

SUBJECT NAME   Mathematics

STUDENT NAME   Charini Wickramathilake

SAVE   UPDATE   DELETE

| Subject Code	Subject	Course Work	Marks
MAT 113	Mathematics	Assignment1	80
MAT 113	Mathematics	Assignment 2	90
MAT 113	Mathematics	Online Quiz	60

AVERAGE MARKS   76.0   AVERAGE   SEND MAIL

This UI loads when clicks on 'RESULTS' in left panel . This keeps results of students of their each subjects. When user enters semester registration ID system automatically fill student name field .Subjects codes have loaded to the combo box according to the faculty of the student . Subject name will display automatically when selects subject codes. After save a result if it is success results details are loaded to the table in below. Otherwise it shows an error message . . Before update or delete a result details ,user should clicks on the relevant result details row in the table. Average button gives the average of all assignments and exams for a particular subject of a student . User can send emails to students informing their average marks.

Message   ✕

Email Sent!!!

OK
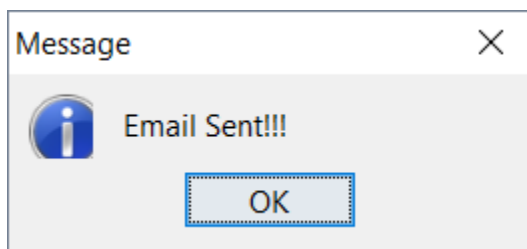
plpdesilva@gmail.com

to me ▾

⦁⦁⦁

Your exam results of subject- Mathematics

Resut is76.0

↩ Reply   ➡ Forward