

Attendance Monitoring Of Students

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School of Computing

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Appendices

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B. Meeting Minutes

Date: 6/10/05

Time: 1pm ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Talk About Project Brief (D1)
2. Talk About Project Requirements

List of decision(s) made at this meeting:

1. Complete draft Project Brief (D1)
2. Meet with Niccolo on Friday 7th at 1pm to discuss draft D1
3. Brainstorm about what project will include and not include

List of task(s) to be done for the next meeting:

Tasks
Complete draft Project Brief D1

Next meeting arrangements: Friday 7th Oct @ 1pm in C35

Date: 7/10/05

Time: 1pm ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Finalise Project Brief (D1)
2. Set time for weekly meetings

List of decision(s) made at this meeting:

1. Submit completed Project Brief (D1) by 4pm today
2. Meet with Niccolo Wednesday mornings at 10am
3. Start thinking about Project Plan

List of task(s) to be done for the next meeting:

Tasks

Set out list of all possible features in system that can be thought off.

Find out submission dates for project, other module coursework hand-in dates and exam dates to include in project plan.

Next meeting arrangements: Wednesday 12th Oct @ 10am in C35

Date: 12/10/05

Time: 1pm ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss Project Plan

List of decision(s) made at this meeting:

1. Start Initial Plan of Project
2. Arrange a meeting with Marie Duncan

List of task(s) to be done for the next meeting:

Tasks
Arrange a meeting with Marie to discuss the current attendance system. Start writing up Initial Project Plan.

Next meeting arrangements: Wednesday 19th Oct @ 10am in C35

Date: 18/10/05

Time: 2pm ~ Venue: School Office

Present: Paul Mowat
Marie Duncan

Agenda:

1. Talk about current attendance system
2. Questions
3. Any other comments

List of decision(s) made at this meeting:

1. None

List of task(s) to be done for the next meeting:

Tasks
Email Marie & Thank her for her time, and to request template documents of those shown

Next meeting arrangements: None as of today

Date: 19/10/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss Project Plan
2. Discuss Meeting with Marie

List of decision(s) made at this meeting:

1. Continue on Initial Project Plan (D1)

List of task(s) to be done for the next meeting:

Tasks
Complete Initial Project Plan
Edit Ms Project File and amend any errors and omissions

Next meeting arrangements: Wednesday 26th Oct @ 10am in C35

Date: 26/10/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Get Final Initial Project Plan Approved
2. Discuss Possible Requirements

List of decision(s) made at this meeting:

1. Start following project plan
2. Start researching Current Attendance System
3. Start researching Similar Systems

List of task(s) to be done for the next meeting:

Tasks

Hand in Initial Project Plan (D2)
Email copy of D2 to Niccolo
Current Attendance System Research to be started
Similar Attendance System Research to be stared

Next meeting arrangements: Wednesday 2nd Nov @ 10am in C35

Date: 2/11/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Talk about research
2. Possible Future developments

List of decision(s) made at this meeting:

1. Continue Research

List of task(s) to be done for the next meeting:

Tasks
Complete Background Research
Find out about progression vs. attendance

Next meeting arrangements: Wednesday 26th Nov @ 10am in C35

Date: 9/11/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss Research findings
2. Discuss Requirements analysis (functional and non-functional)
3. Discuss Database design/development

List of decision(s) made at this meeting:

1. Finish functional and non-functional requirements
2. Start developing database

List of task(s) to be done for the next meeting:

Tasks
Functional and non-functional requirements

Next meeting arrangements: Wednesday 16th Nov @ 10am in C35

Date: 16/11/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss database ideas

List of decision(s) made at this meeting:

1. Continue with database design

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 23rd Nov @ 10am in C35

Date: 23/11/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss database

List of decision(s) made at this meeting:

1. Continue with database design and try simplify design

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 30th Nov @ 10am in C35

Date: 30/11/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss database ideas

List of decision(s) made at this meeting:

1. Continue with database design
2. Next meeting will be on Wednesday 7th as Niccolo is busy next week

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 7th Dec @ 10am in C35

Date: 7/12/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss database

List of decision(s) made at this meeting:

1. Start implementing database

List of task(s) to be done for the next meeting:

Tasks
Implement Database

Next meeting arrangements: Wednesday 14th Dec @ 10am in C35

Date: 14/12/05

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss database implementation so far

List of decision(s) made at this meeting:

1. Continue with project plan over holidays and exam period

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 2nd Feb @ 10am in C35

Date: 2/2/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss Prototype Interfaces
2. Discuss D3 hand-in due for Friday

List of decision(s) made at this meeting:

1. Continue developing interfaces
2. Complete D3 and hand it in

List of task(s) to be done for the next meeting:

Tasks
Complete D3 and hand it in

Next meeting arrangements: Wednesday 2nd Feb @ 10am in C35

Date: 9/2/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss Login System for Admin section
2. Discuss possible changes to interface
3. Talk about a server that is required to test the project within RGU

List of decision(s) made at this meeting:

1. Continue coding system
2. Change some interface elements to increase consistency
3. Talk to Ian Bell about obtaining a Server
4. Install required software on Server

List of task(s) to be done for the next meeting:

Tasks
Talk to Ian Bell and Install Required software on server

Next meeting arrangements: Wednesday 15nd Feb @ 10am in C35

Date: 15/2/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Discuss searching methods to enable administrator/staff to find students by matric number or name
2. Show Niccolo server, and how it's set up.

List of decision(s) made at this meeting:

1. Continue coding system

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 22nd Feb @ 10am in C35

Date: 22/2/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Show Niccolo implemented search features of administration interface.
2. Discuss student interface and automatically generated HTA's

List of decision(s) made at this meeting:

1. Develop automated Java HTA generator
2. Continue coding

List of task(s) to be done for the next meeting:

Tasks
Automated HTA generator in Java

Next meeting arrangements: Friday 3rd March @ 10am in C35

Date: 3/3/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Show Niccolo HTA Generator
2. Discuss problems with HTA Generator

List of decision(s) made at this meeting:

1. Finish HTA Generator, and determine best way to automatically delete created HTA's
2. Automatically retrieve users login name when they login

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 8th March @ 10am in C35

Date: 8/3/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Show Niccolo HTA communicating with server
2. Discuss problems in finding current week of semester

List of decision(s) made at this meeting:

1. Include table in database/file that contains a link between the dates and the current week of the semester
2. Document previous problems with HTA opening new Browser instead of refreshing itself.

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 15th March @ 10am in C35

Date: 15/3/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Show Niccolo solution to linking dates with weeks
2. Discuss testing the system

List of decision(s) made at this meeting:

1. Start testing system as soon as it's complete.

List of task(s) to be done for the next meeting:

Tasks
None

Next meeting arrangements: Wednesday 29th March @ 10am in C35

Date: 29/3/06

Time: 10am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Talk about project report and what is required

List of decision(s) made at this meeting:

1. Finish coding changes to system
2. Finish draft report

List of task(s) to be done for the next meeting:

Tasks
Coding Completed
Draft Report

Next meeting arrangements: Wednesday 12th April @ 10am in C35

Date: 12/4/06

Time: 10:30am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Talk about draft project report
2. Show Niccolo completed system

List of decision(s) made at this meeting:

1. Make some small changes to report

List of task(s) to be done for the next meeting:

Tasks
Make some small changes to report

Next meeting arrangements: Wednesday 19th April @ 10.30am in C35

Date: 19/4/06

Time: 10:30am ~ Venue: C35

Present: Paul Mowat
Niccolo Capanni

Agenda:

1. Talk about draft project report
2. Talk about project presentation

List of decision(s) made at this meeting:

1. Finish Report & Send to Niccolo
2. Make changes to presentation slides & prepare diagrams

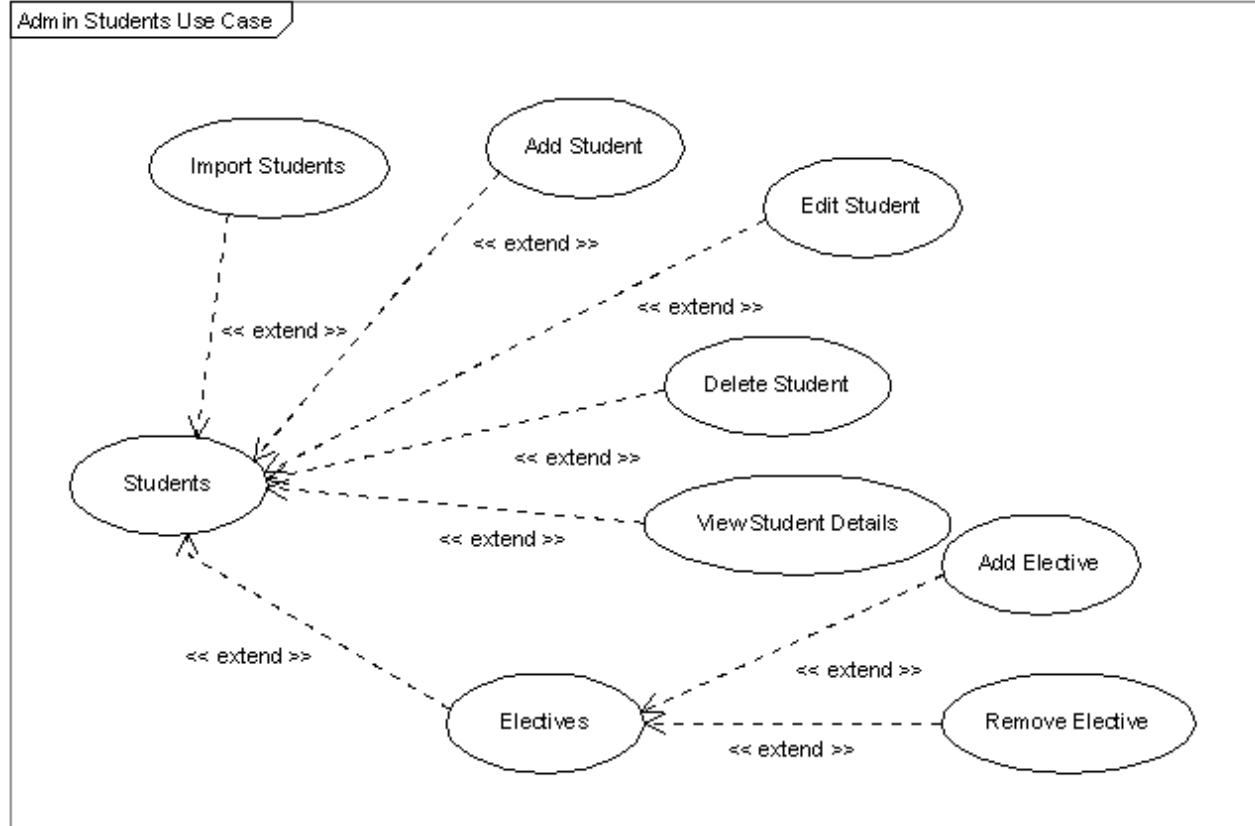
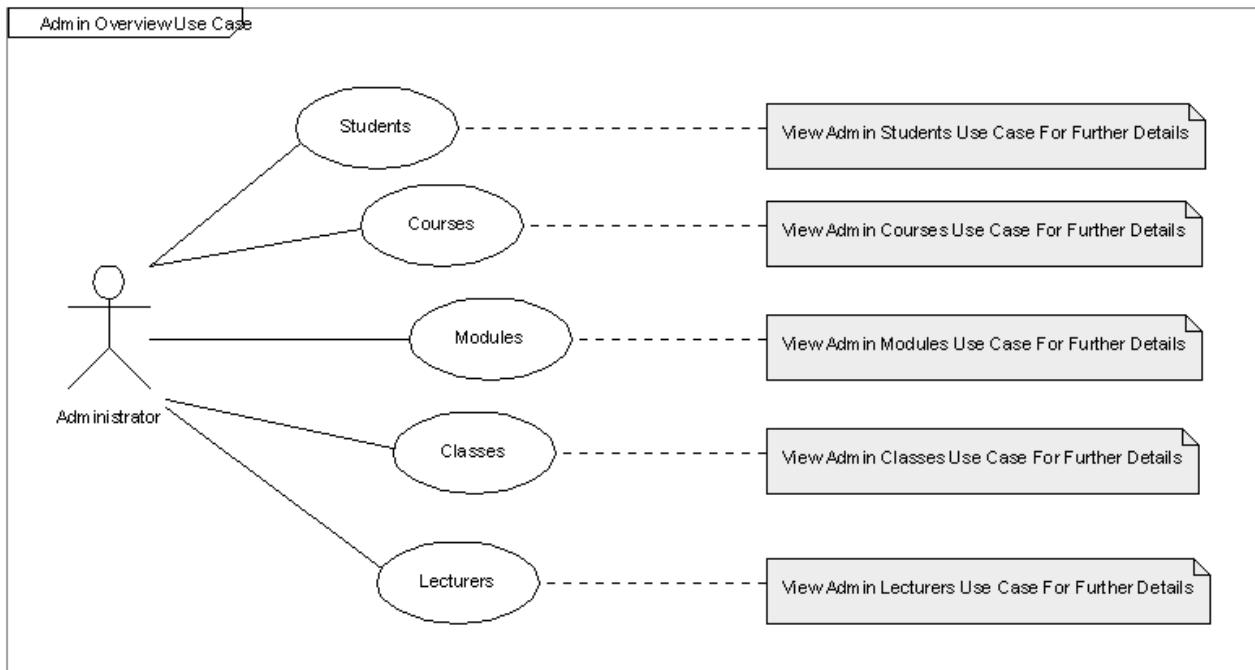
List of task(s) to be done for the next meeting:

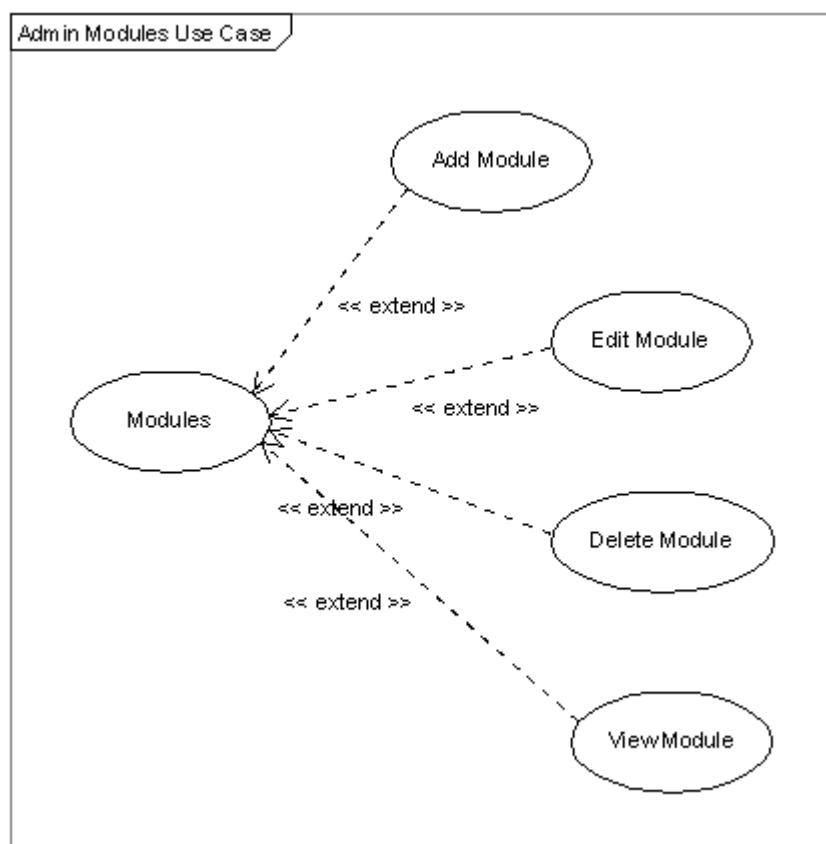
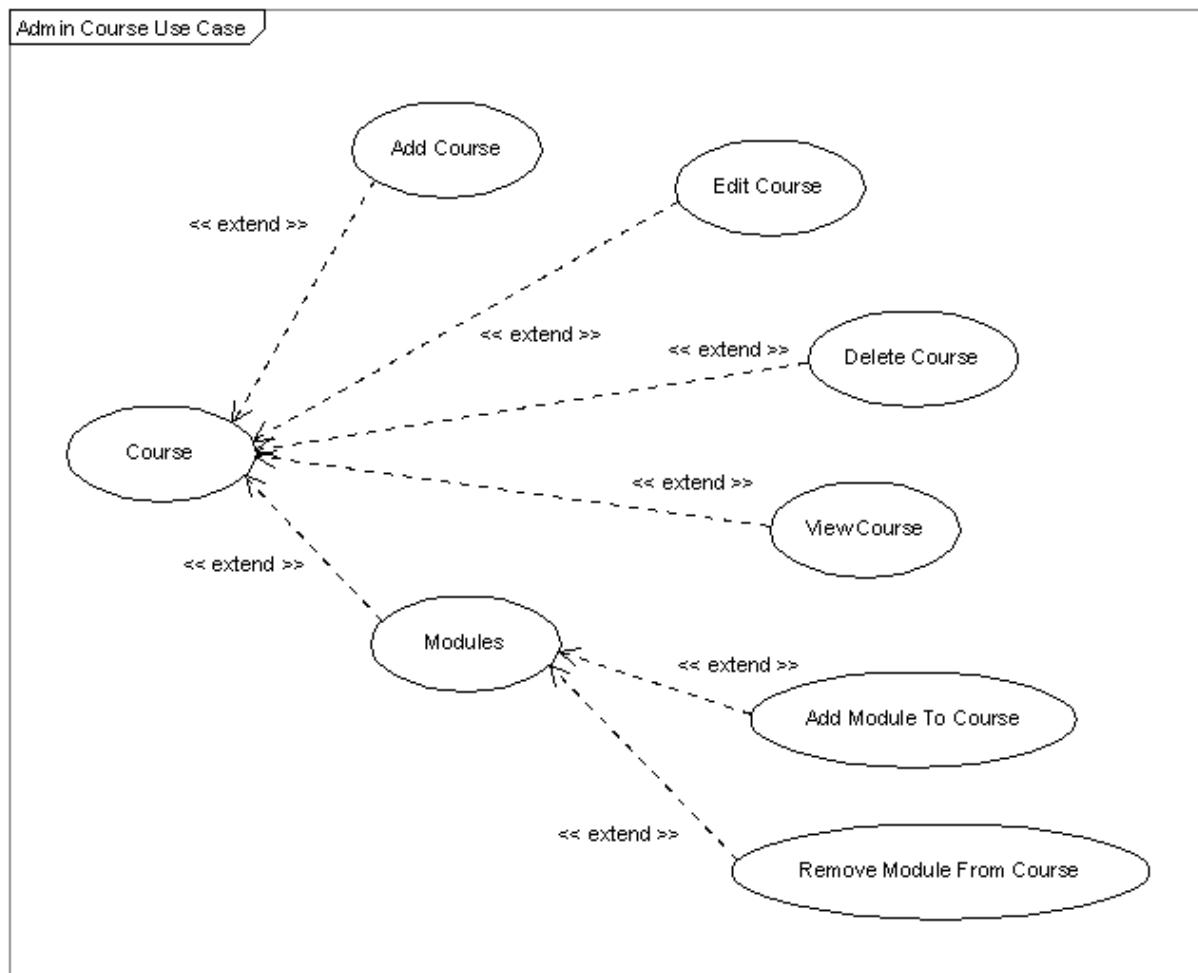
Tasks
Finish Report
Prepare for Presentation

Next meeting arrangements: Tuesday 25th April @ 2.00pm in C35

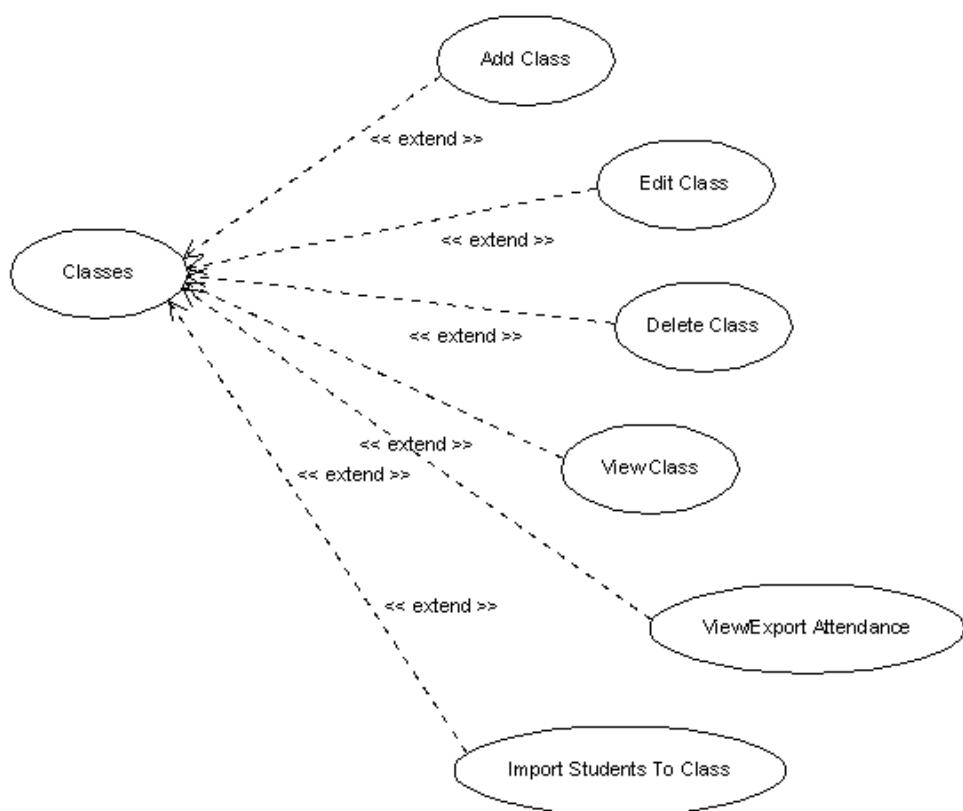
C. System Designs

Administrator Use Case

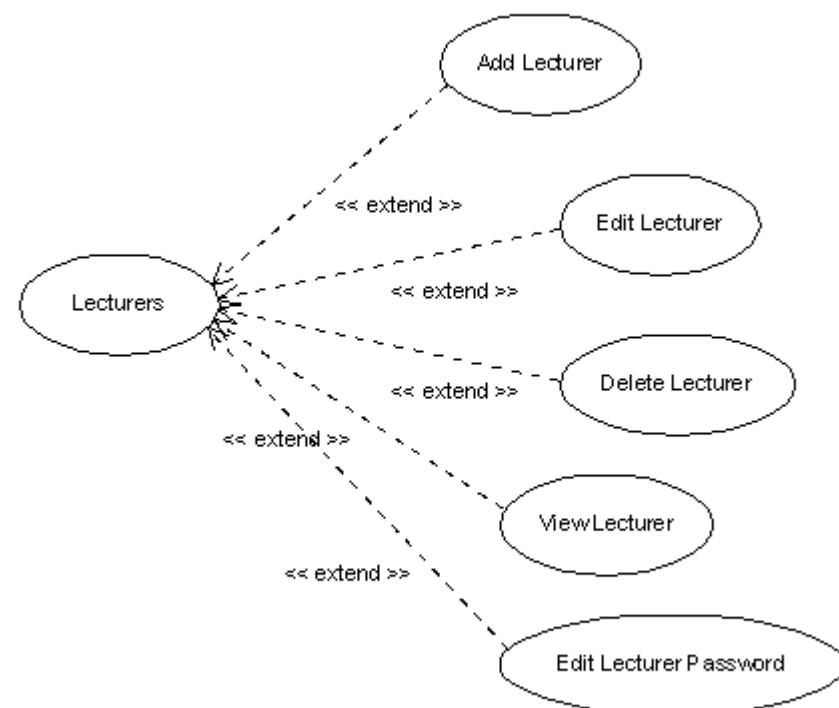




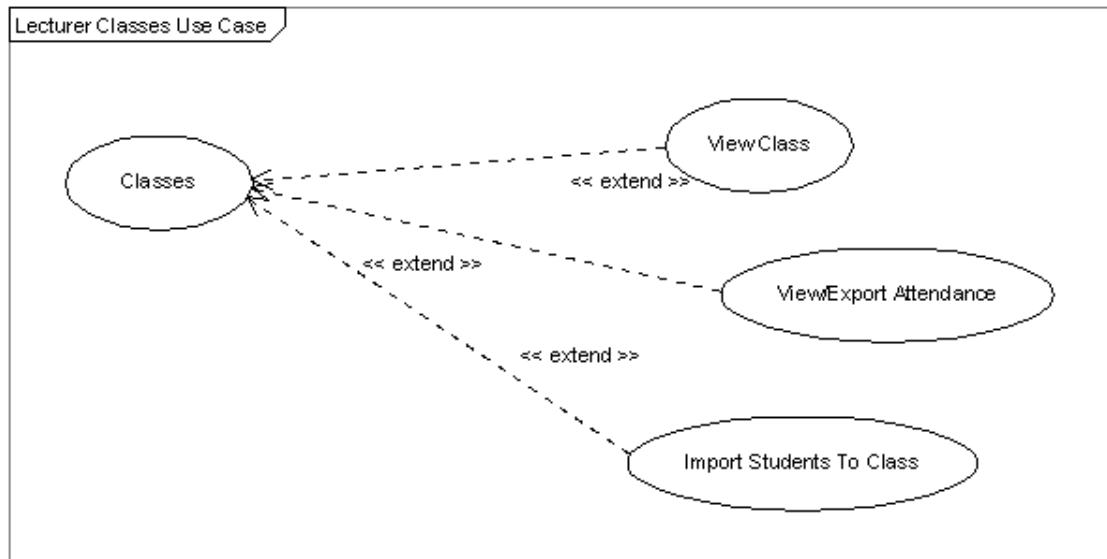
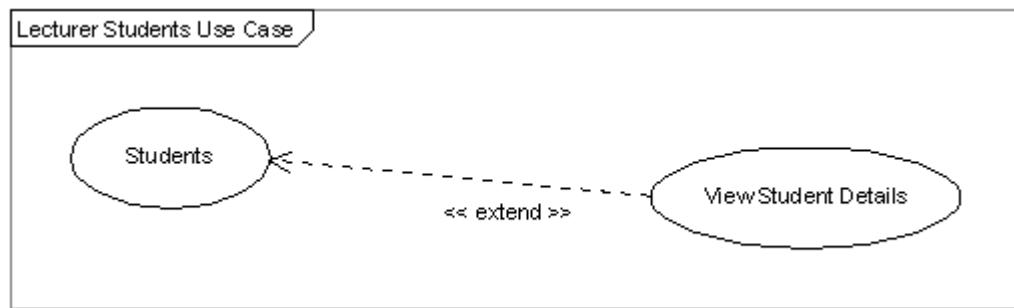
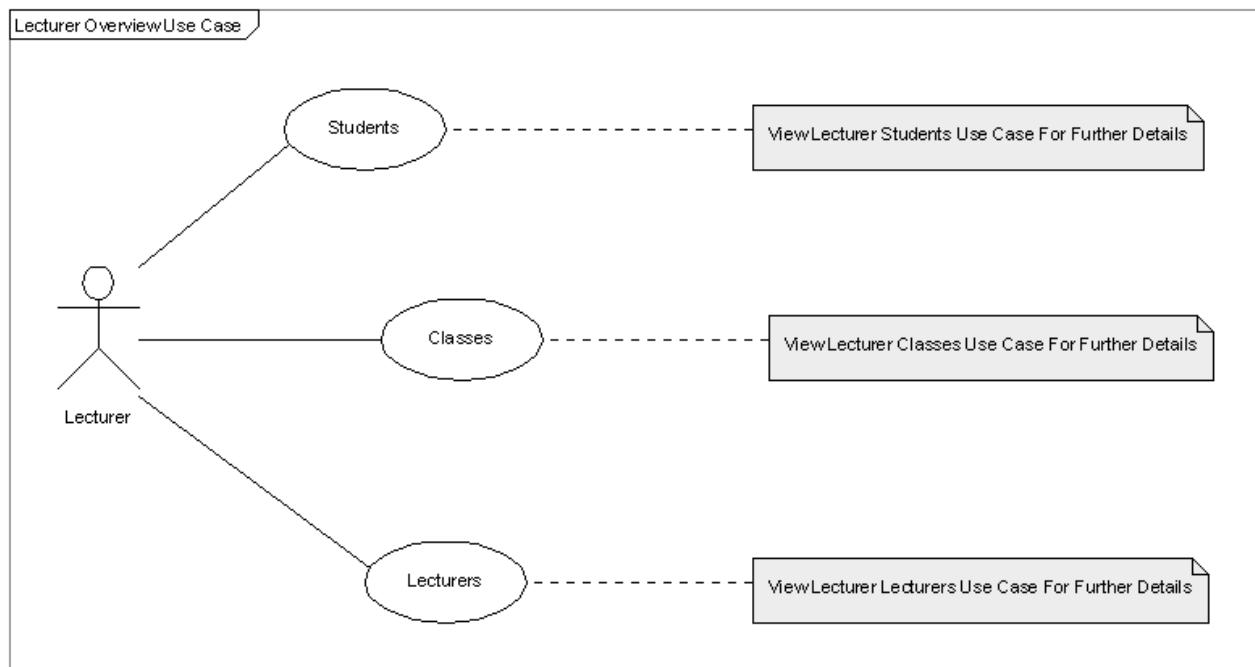
Adm in Classes Use Case

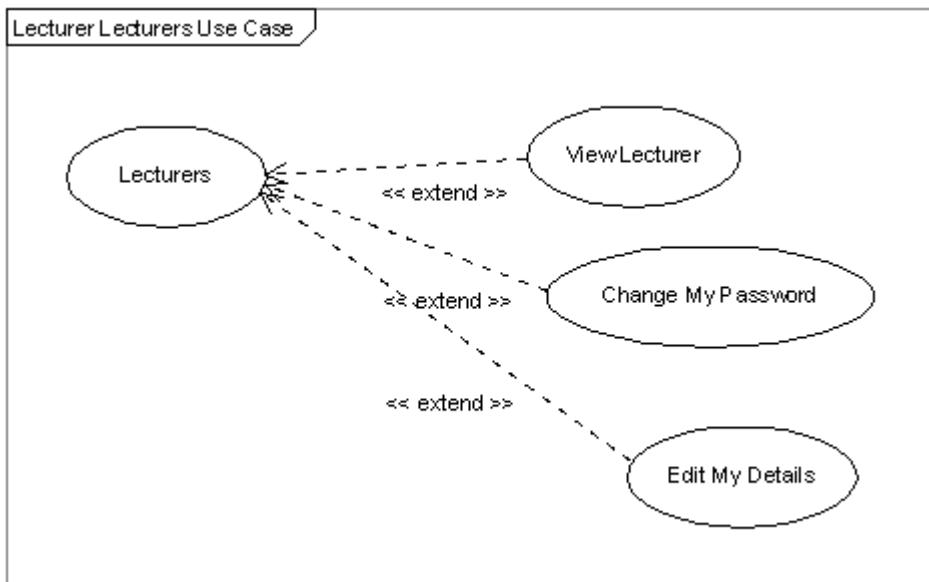


Adm in Lecturers Use Case

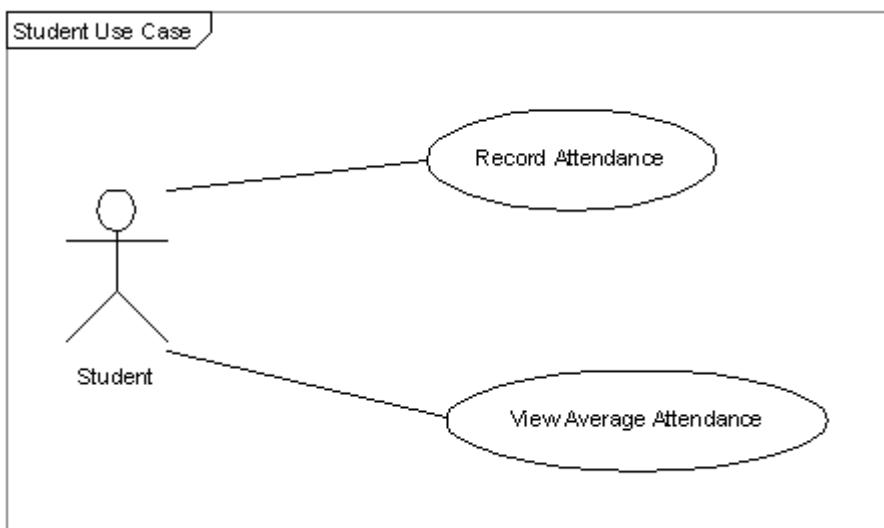


Lecturer Use Case





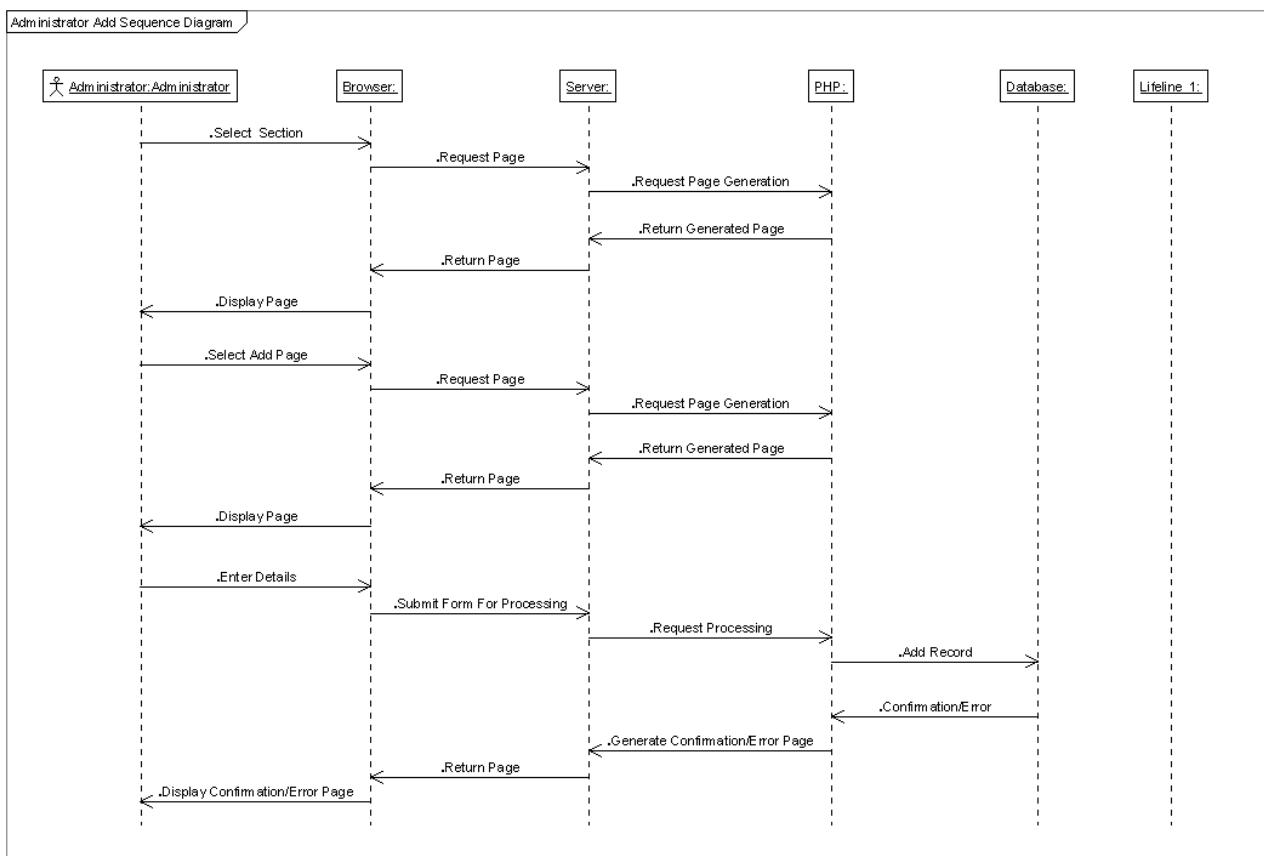
Students Use Case



Administrator Add Sequence Diagram

Used in the following sections:

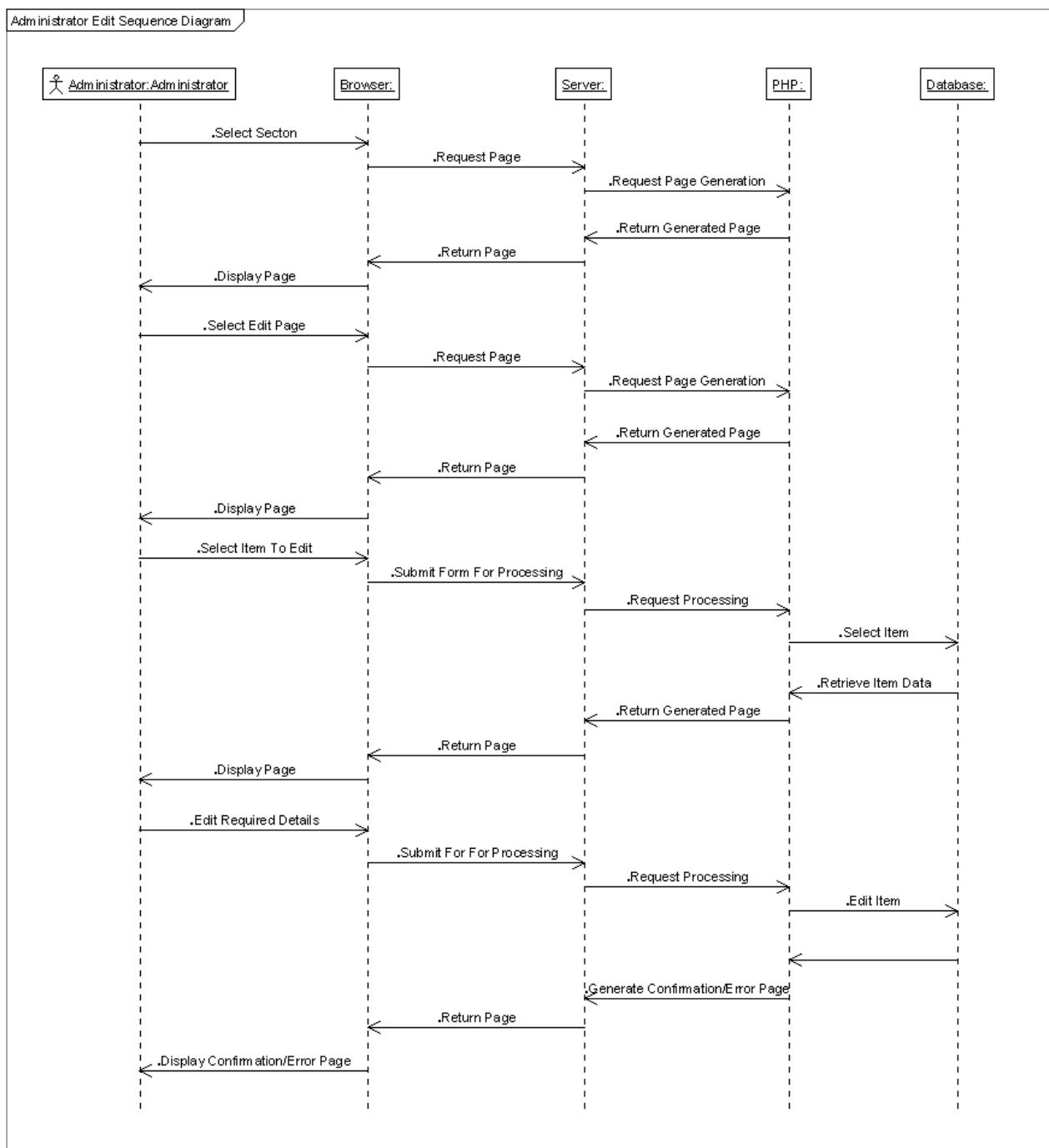
- Student
- Course
- Module
- Classes
- Lecturers.



Administrator Edit Sequence Diagram

Used in the following sections:

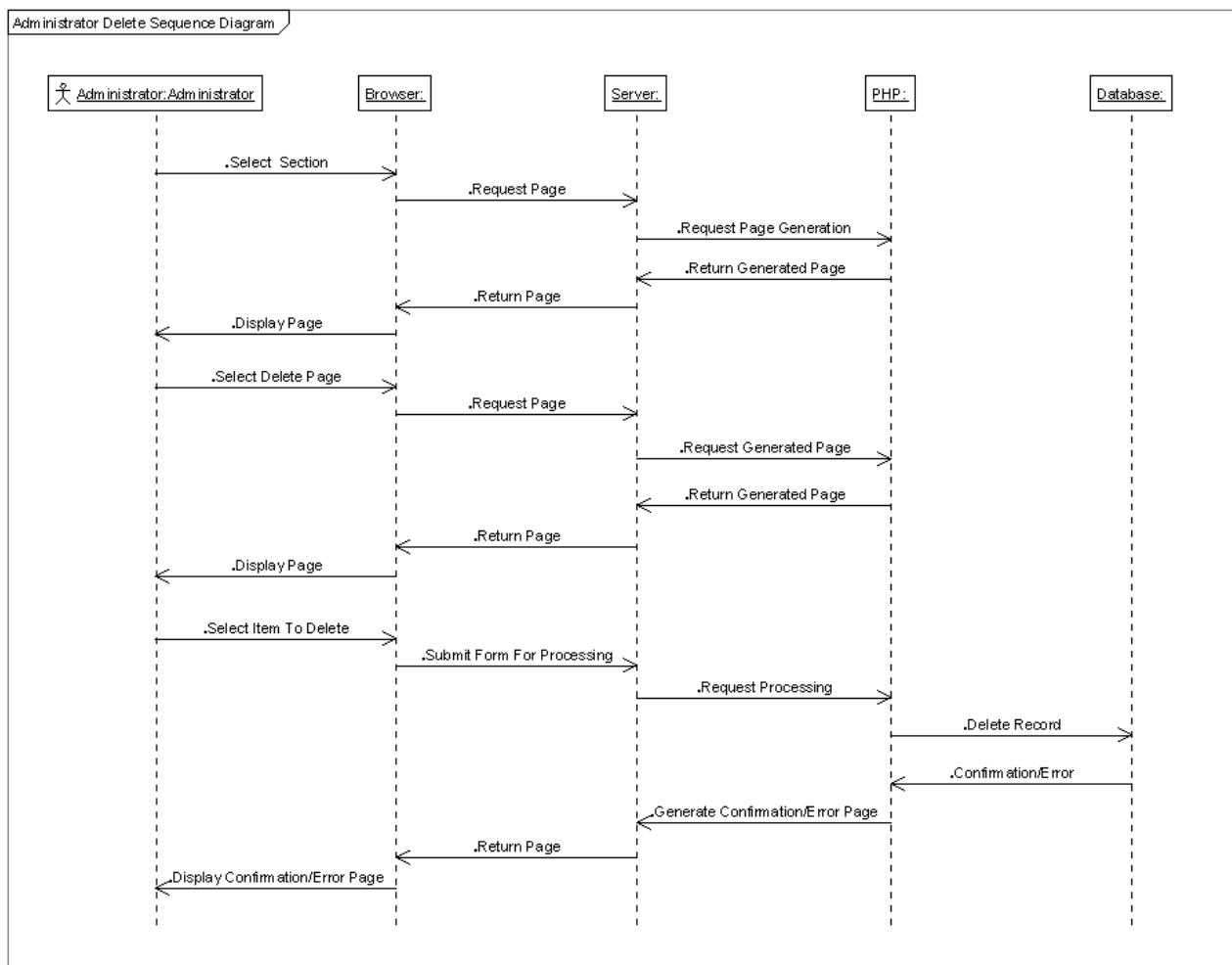
- Student
- Course
- Module
- Classes
- Lecturers.



Administrator Delete Sequence Diagram

Used in the following sections:

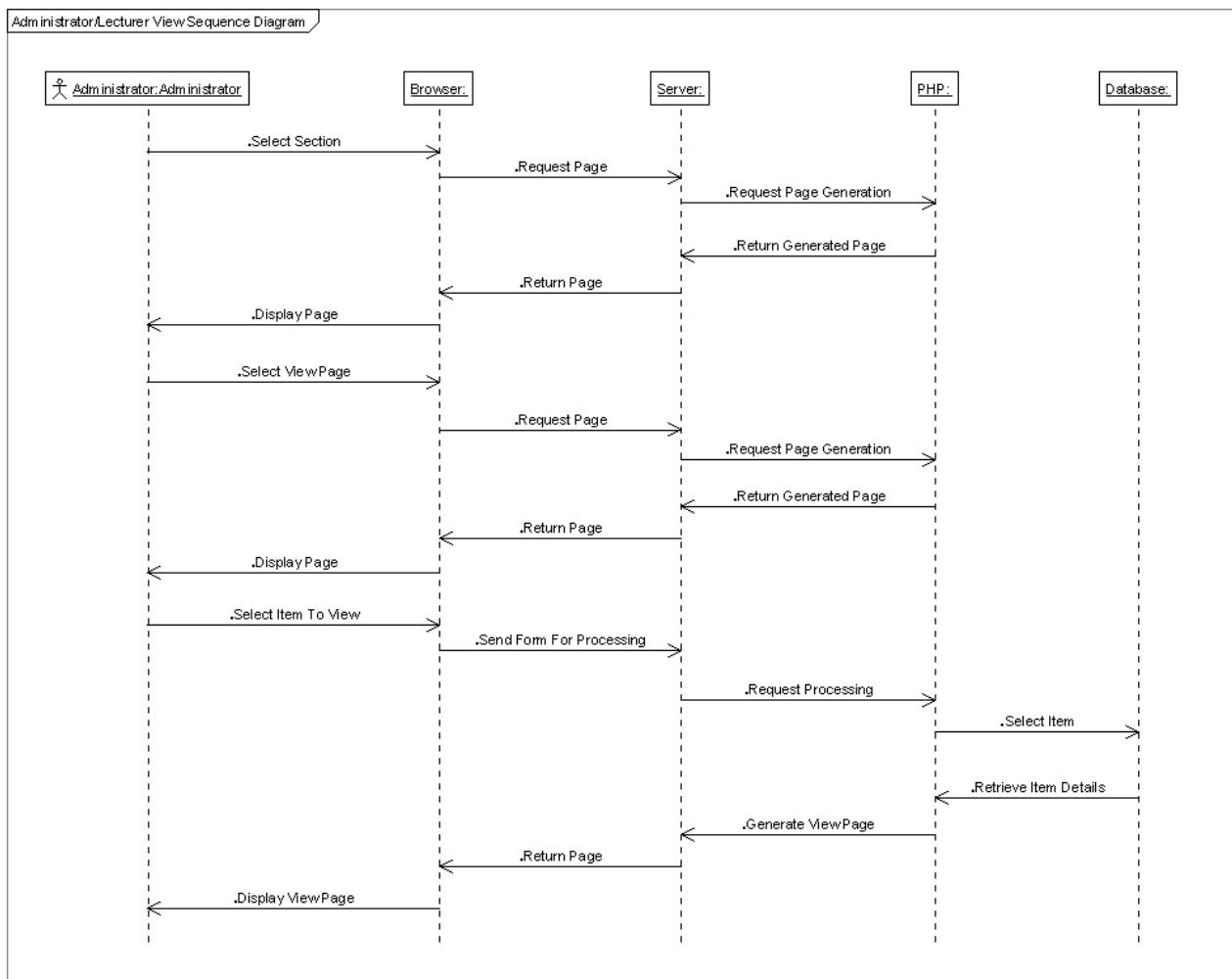
- Student
- Course
- Module
- Classes
- Lecturers.



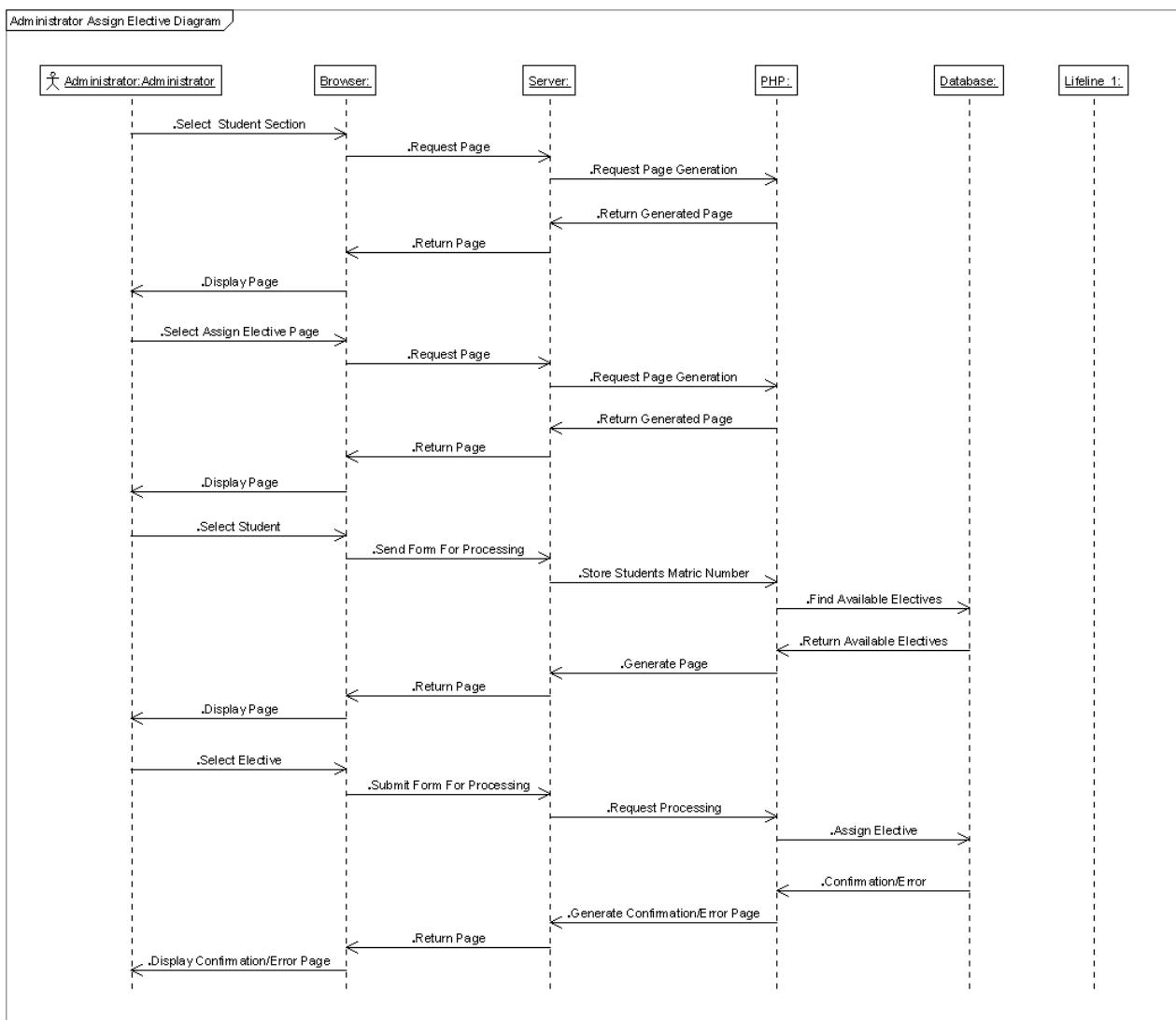
Administrator/Lecturer View Sequence Diagram

Used in the following sections:

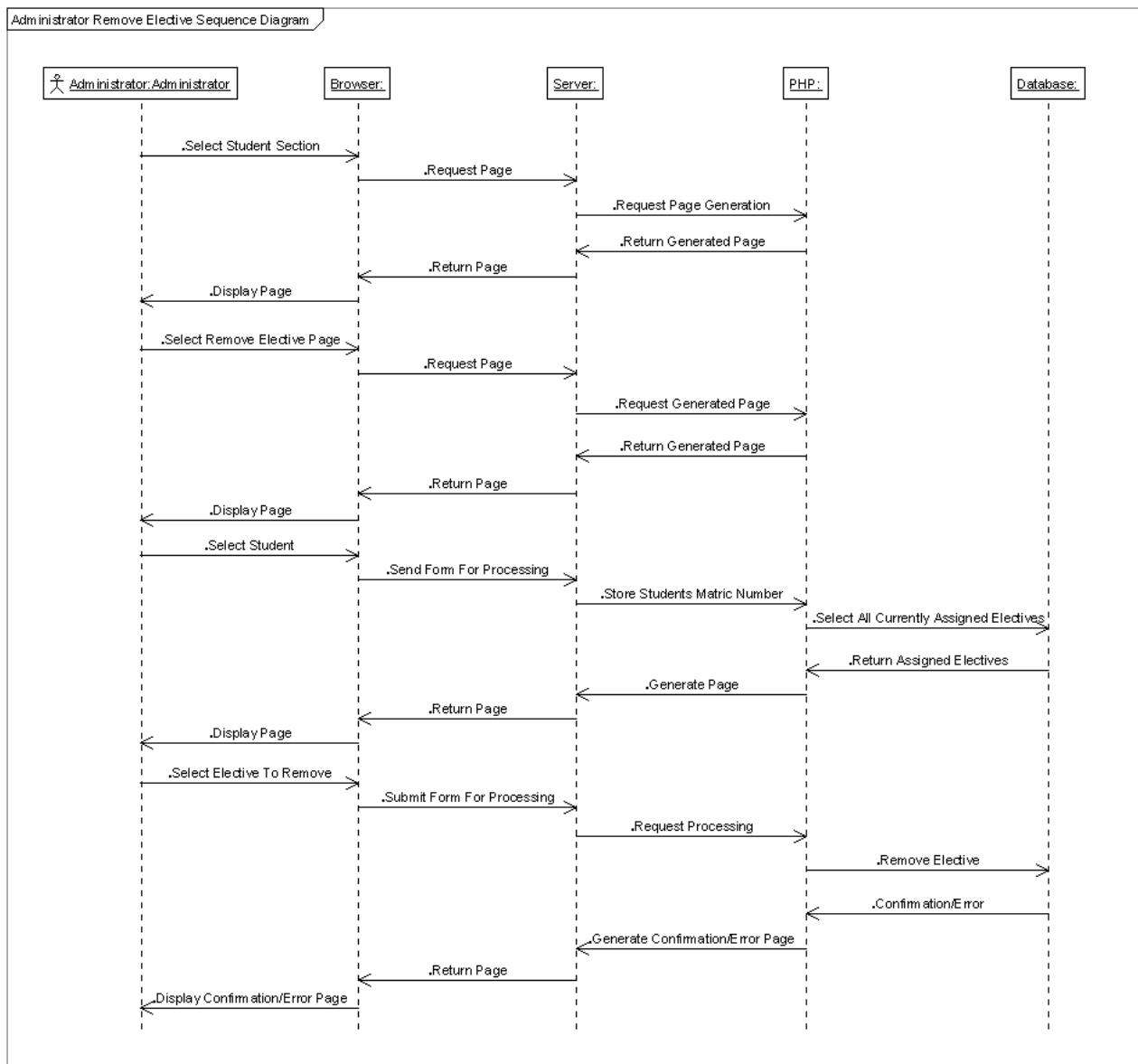
- Student
- Course
- Module
- Classes
- Lecturers.



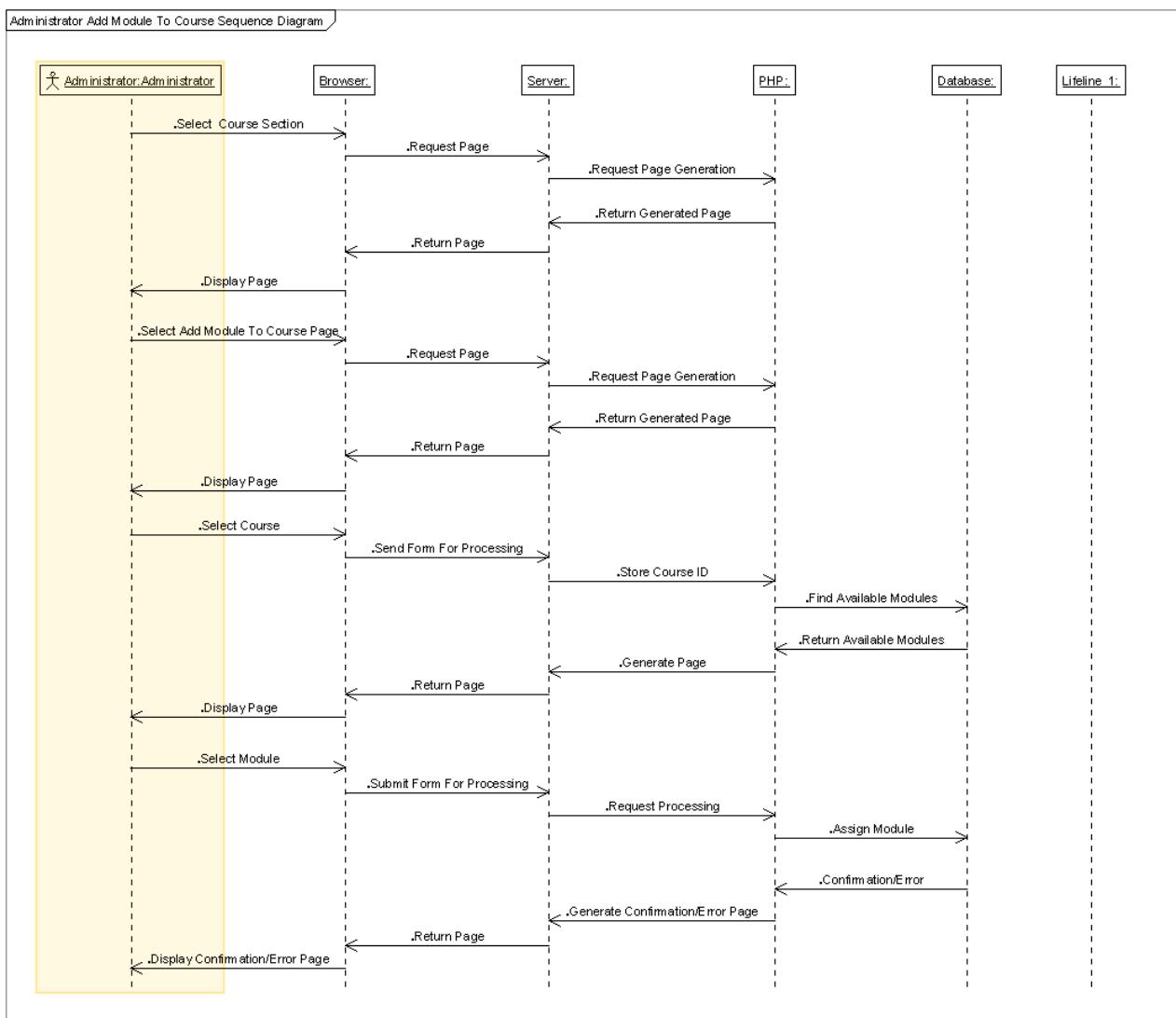
Administrator Assign Elective Sequence Diagram



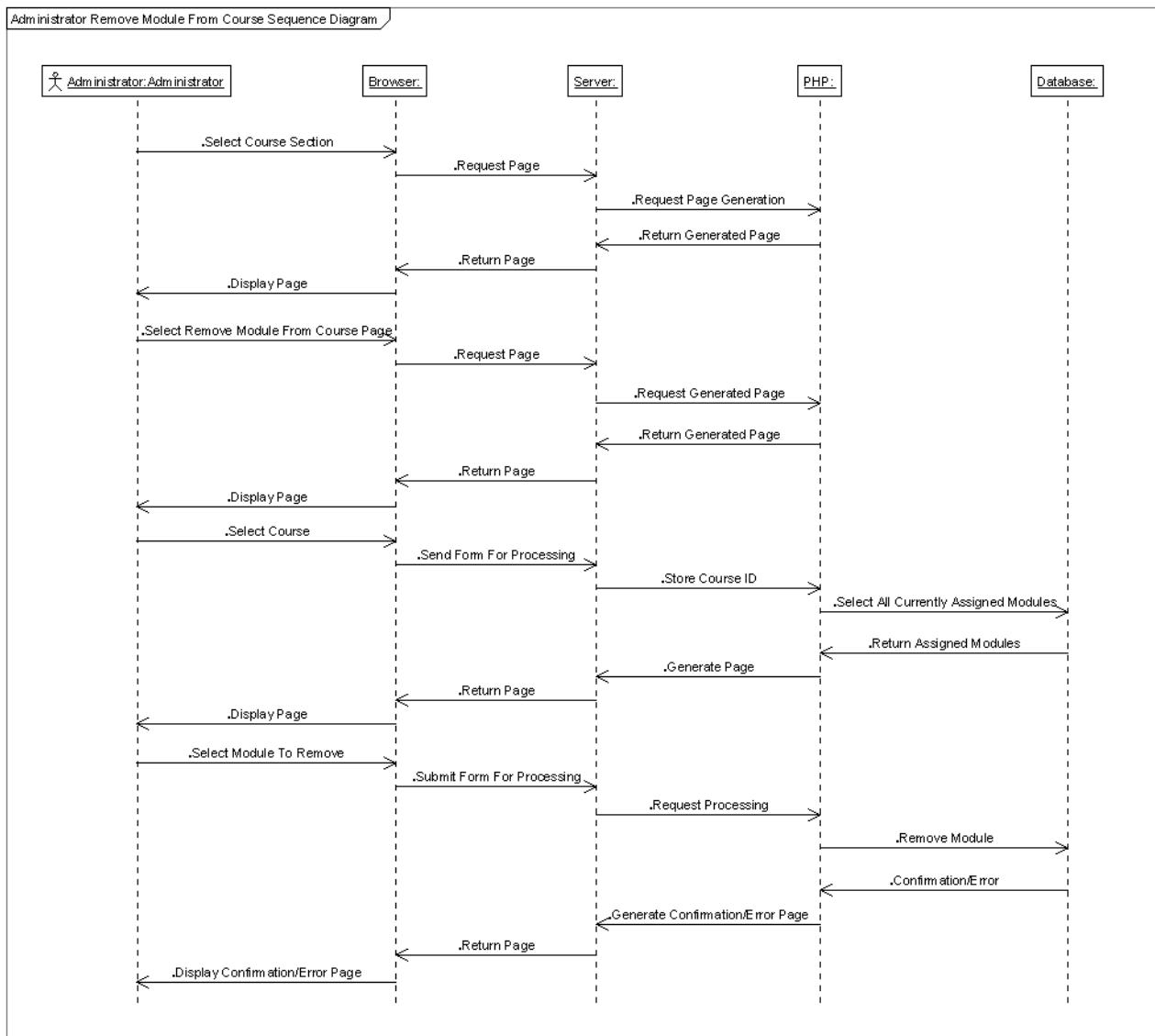
Administrator Remove Elective Sequence Diagram



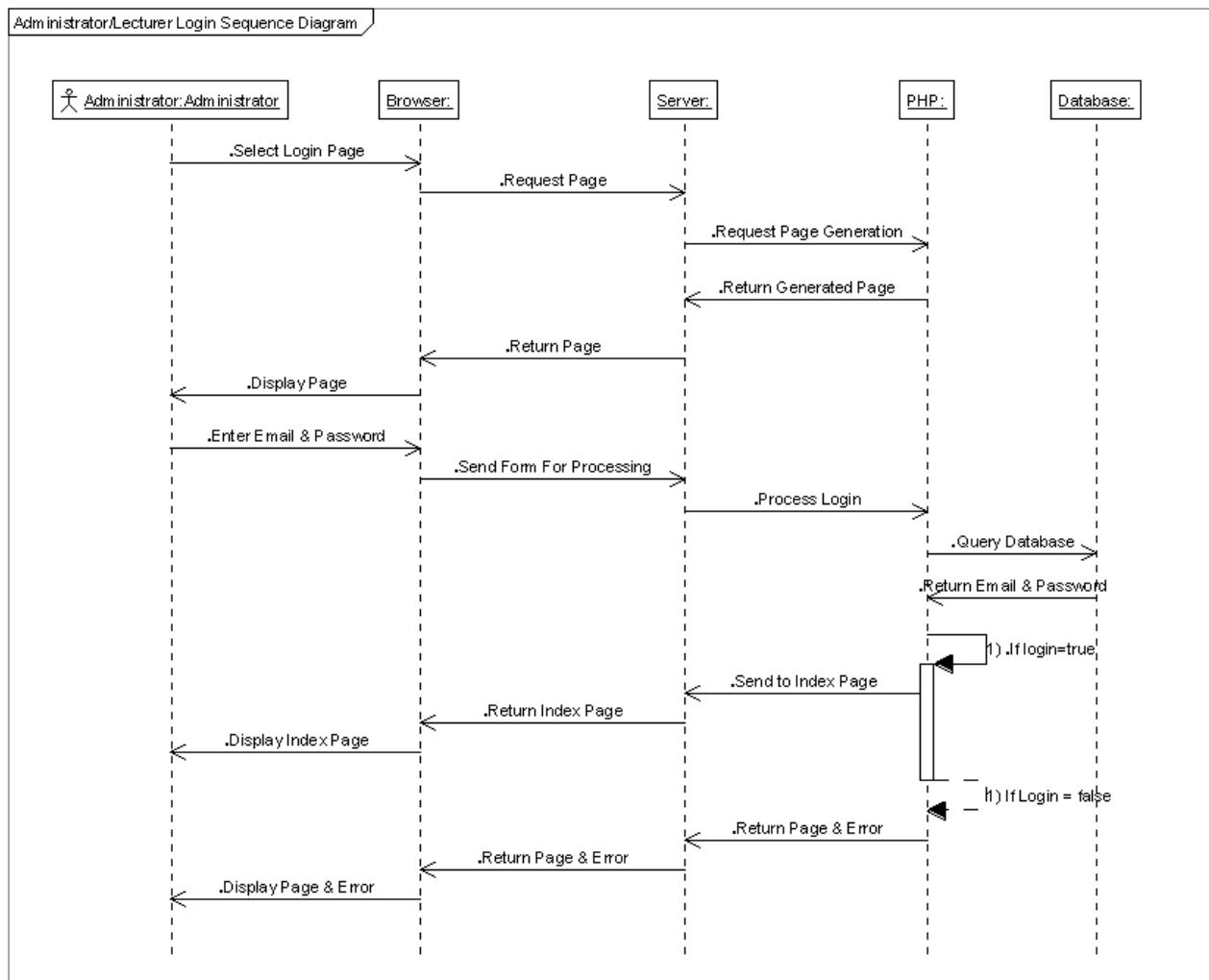
Administrator Add Module To Course Sequence Diagram



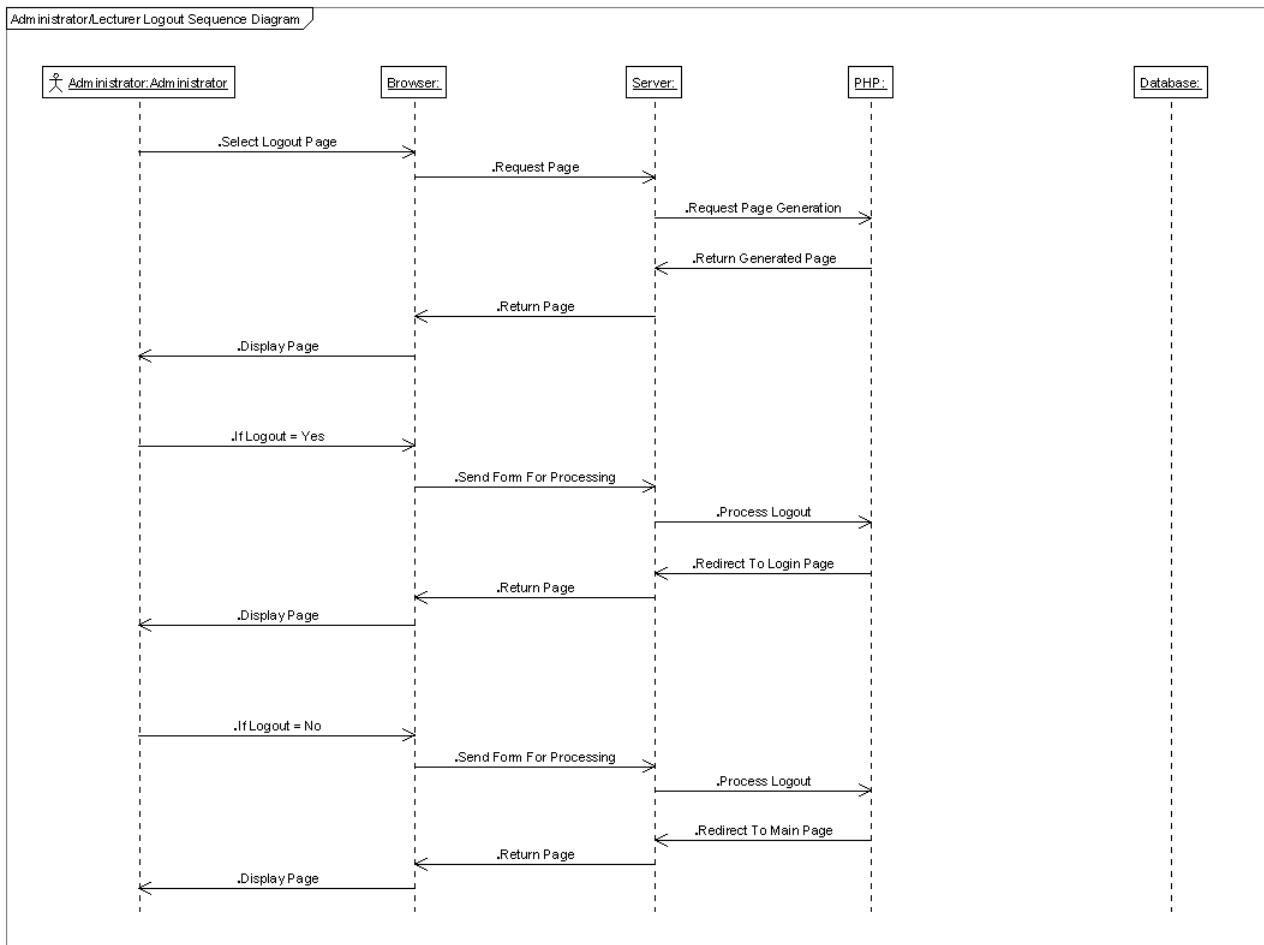
Administrator Remove Module From Course Sequence Diagram



Administrator/Lecturer Login



Administrator/Lecturer Logout



D. Interface Designs

Interface Design for Administration Login Area

<h3>Attendance Monitoring</h3> 				
Home	Students	Classes	Lecturers	Logout
<h2>Login</h2>				
Email Address	<input type="text" value="paul@paulmowat.co.uk"/>			
Password	<input type="password" value="XXXXXXXX"/>			
<input type="button" value="Login"/>				
© 2006 Paul Mowat				

Interface Design for Home Page of Administration Area

Attendance Monitoring



Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

Attendance Monitoring

Welcome Paul Mowat

Please use the menu above to navigate through the different sections.

If you are having any problems in using the system please contact [Paul Mowat](#) for further information.

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Interface Design for Home Page of Student Section

Attendance Monitoring



Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

Students

View Student
Select this option if you wish to view the details of a individual Student.

Add Student
Select this option if you wish to add a new Student to the system.

Edit Student
Select this option if you wish to edit a Student currently available on the system.

Delete Student
Select this option if you wish to delete one or more Students.

Import Student CSV File
Select this option if you wish to import a CSV containing multiple Students into the system.

Assign Elective To Student
Select this option if you wish to assign a elective to a Student.

Remove Elective From Student
Select this option if you wish to remove a elective from a Student.

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Interface Designs for View Student Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

View Student

Please enter the matriculation number or the name of the student you wish to delete. Please note that all students will be displayed if no data is entered.

Matriculation Number/Name:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

View Student

Matric Number	Name	Course	View
Paul	Paul Mowat	Computer Science	<input checked="" type="radio"/>

© 2006 Paul Mowat

Attendance Monitoring - View Student - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://localhost/attendance/sections/students/view_student.php

Google PageRank ABC Check AutoLink Options

Disable CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

Attendance Monitoring - View Student Just a few things to show! - FilterGFX

Attendance Monitoring



Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

View Student

Matriculation Number:

Name:

Email:

Course:

Year of Study:

Year of Graduation:

Direct Entry Student:

© 2006 Paul Mowat

Done

start Append... Just call... MSN M... Attend... Adobe... Macrom... 15:04

Interface Design for Add Student Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Add Student

Please use the fields below to add a student. All fields are required.

Matriculation Number:

Name:

Email:

Course:

Year of Study:

Year of Graduation:

Direct Entry Student: Yes: No:

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Interface Designs for Edit Student Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Edit Student

Please enter the matriculation number or the name of the student you wish to delete.

Matriculation Number/Name:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Edit Student

Matric Number	Name	Course	Edit
Paul	Paul Mowat	Computer Science	<input checked="" type="radio"/>

© 2006 Paul Mowat



- > [View Student](#)
- > [Add Student](#)
- > [Edit Student](#)
- > [Delete Student](#)
- > [Import Student CSV File](#)
- > [Assign Elective To Student](#)
- > [Remove Elective From Student](#)

Edit Student

Please edit the students details below. All fields are required.

Matriculation
Number:

Paul

Name:

Paul Mowat

Email:

paul@rgu.co.uk

Course:

Computer Science

Year of Study:

1

Year of
Graduation:

2007

Direct Entry
Student:

Yes:

No:

[Edit Student](#)

[Reset](#)

Interface Designs for Student Delete Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Delete Student

Please enter the matriculation number or the name of the student you wish to delete.

Matriculation Number/Name:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Delete Student

Matric Number	Name	Course	Delete
Paul	Paul Mowat	Computer Science	<input type="checkbox"/>

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Interface Design for Import CSV Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Import CSV

Please select a CSV file to import. This CSV file must be in the valid format or problems will arrise.

CSV File:

© 2006 Paul Mowat

Interface Design for Assign Electives Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Assign Elective

Please enter the matriculation number or the name of the student you wish to assign an elective to. Please note that all students will be displayed if no data is entered.

Matriculation Number/Name:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Assign Elective

Matric Number	Name	Course	Select
Paul	Paul Mowat	Computer Science	<input checked="" type="radio"/>

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Attendance Monitoring



[Home](#) [Students](#) [Courses](#) [Modules](#) [Classes](#) [Lecturers](#) [Configuration](#) [Logout](#)

- > [View Student](#)
- > [Add Student](#)
- > [Edit Student](#)
- > [Delete Student](#)
- > [Import Student CSV File](#)

- > [Assign Elective To Student](#)
- > [Remove Elective From Student](#)

Assign Elective

Please select the elective below to assign to the current student.

Module:

CM4061 - Advanced Information Retrieval



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Interface Design for Remove Electives Page of Student Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Remove Elective

Please enter the matriculation number or the name of the student you wish to remove an elective from. Please note that all students will be displayed if no data is entered.

Matriculation Number/Name:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Remove Elective

Matric Number	Name	Course	Select
Paul	Paul Mowat	Computer Science	<input checked="" type="radio"/>

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Attendance Monitoring



[Home](#) [Students](#) [Courses](#) [Modules](#) [Classes](#) [Lecturers](#) [Configuration](#) [Logout](#)

- > [View Student](#)
- > [Add Student](#)
- > [Edit Student](#)
- > [Delete Student](#)
- > [Import Student CSV File](#)

- > [Assign Elective To Student](#)
- > [Remove Elective From Student](#)

Remove Elective

Please select the elective below to remove from the current student.

Module:

CM4061 - Advanced Information Retrieval



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Interface Design for Home Page of Course Section

<h1>Attendance Monitoring</h1> 							
Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
<p>Courses</p> <p>View Course Select this option if you wish to view the details of a individual Course.</p> <p>Add Course Select this option if you wish to add a new Course to the system.</p> <p>Edit Course Select this option if you wish to edit a Course currently available on the system.</p> <p>Delete Course Select this option if you wish to delete a Course.</p> <p>Add Module to Course Select this option to add a module to a course.</p> <p>Remove Module to Course Select this option to remove a module from a course.</p>							
© 2006 Paul Mowat							

Interface Design for View Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

View Course

Please select course you wish to edit and it's details will be displayed.

Course: 

© 2006 Paul Mowat

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

View Course

Course ID:

Name:

Duration:

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Interface Design for Add Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)
> [Add Module To Course](#)
> [Remove Module From Course](#)

Add Course

Please use the fields below to add a course. All fields are required.

Course ID:

Name:

Duration:

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Interface Design for Edit Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Edit Course

Please select course you wish to edit and it's details will be displayed.

Course: 

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Edit Course

Please use the fields below to edit a course. All fields are required.

Course ID:

Name:

Duration: 

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Interface Design for Delete Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Delete Course

Please select the course you wish to delete.

Course:

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Interface Design for Add Module to Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Add Module To Course

Please select course for which you wish to add modules to.

Course: 

Year: 

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Add Module To Course

Module Number	Name	Revision	Add
CM3002	Concurrent Programming	1	<input type="checkbox"/>
CM4002	Information Strategy Planning	4	<input type="checkbox"/>

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Interface Design for Remove Module from Course Page of Course Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Remove Module From Course

Please select course and year for which you wish to remove modules from.

Course: 

Year: 

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

Remove Module From Course

Module Number	Name	Revision	Remove
CM4061	Advanced Information Retrieval	2	<input type="checkbox"/>
CM4002	Information Strategy Planning	4	<input type="checkbox"/>
CM3002	Concurrent Programming	1	<input type="checkbox"/>

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Interface Design for Module Home Page of Module Section

<h1>Attendance Monitoring</h1> 							
Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
<ul style="list-style-type: none">> View Module> Add Module> Edit Module> Delete Module	<h2>Modules</h2> <p>View Module Select this option if you wish to view the details of a individual Module.</p> <p>Add Module Select this option if you wish to add a new Module to the system.</p> <p>Edit Module Select this option if you wish to edit a Module currently available on the system.</p> <p>Delete Module Select this option if you wish to delete a Module.</p>						
<p>© 2006 Paul Mowat</p>							

Interface Design for View Module Page of Module Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

View Module

Please select module you wish to edit and it's details will be displayed.

Module:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

View Module

Module ID:

Name:

Revision:

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Interface Design for Add Module Page of Module Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

Add Module

Please use the fields below to add a module. All fields are required.

Module ID:

Name:

Revision:

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Interface Design for Edit Module Page of Module Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

Edit Module

Please select module you wish to edit and it's details will be displayed.

Module: 

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

Edit Module

Please use the fields below to edit a module. All fields are required.

Module ID:

Name:

Revision: 

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Interface Design for Delete Module Page of Module Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

Delete Module

Please select the module you wish to delete.

Course:

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Interface Design for Class Home Page of Class Section

<h1>Attendance Monitoring</h1> 							
Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
<ul style="list-style-type: none">> View Class> Add Class> Edit Class> Delete Class> View/Export Class Attendance > Import Students To Class	<h3>Classes</h3> <p>View Class Select this option if you wish to view the details of a individual Class.</p> <p>Add Class Select this option if you wish to add a new Class to the system.</p> <p>Edit Class Select this option if you wish to edit a Class currently available on the system.</p> <p>Delete Class Select this option if you wish to delete a Class.</p> <p>View/Export Class Attendance Select this option if you wish to view a classes attendance. You can also export the classes attendance to a Excel file.</p> <p>Import Students To Class Select this option to import Students into a class. This must be done before attendance can be recorded.</p>						
© 2006 Paul Mowat							

Interface Design for View Class Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

View Class

Please select class you wish to edit and it's details will be displayed.

Class:

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Attendance Monitoring



[Home](#) [Students](#) [Courses](#) [Modules](#) [Classes](#) [Lecturers](#) [Configuration](#) [Logout](#)

- > [View Class](#)
- > [Add Class](#)
- > [Edit Class](#)
- > [Delete Class](#)
- > [View/Export Class Attendance](#)
- > [Import Students To Class](#)

View Class

Module:

Lecturer:

Type:

Room:

Day:

Start Time:

End Time:

Class Status:

Session:

Semester:

© 2006 Paul Mowat

Interface Design for Add Class Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Add Class

Please use the fields below to add a class. All fields are required.

Module: CM4061 - Advanced Information Retrieval

Lecturer: Naomi Lund
Paul Mowat
Paul Mowat

Type: Laboratory

Room: C13

Day: Monday

Start Time: 09 00

End Time: 09 00

Class Status: On: Off:

Session: 2005-2006

Semester: 1

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Interface Design for Edit Class Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Edit Class

Please select class you wish to edit and it's details will be displayed.

Class: CM4061 - Paul Mowat - Laboratory - Thursday - 1200 - 1

Find Class Details

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Attendance Monitoring



[Home](#) [Students](#) [Courses](#) [Modules](#) [Classes](#) [Lecturers](#) [Configuration](#) [Logout](#)

- > [View Class](#)
- > [Add Class](#)
- > [Edit Class](#)
- > [Delete Class](#)
- > [View/Export Class Attendance](#)

- > [Import Students To Class](#)

Edit Class

Please use the fields below to edit a class. All fields are required.

Module:

Lecturer:

Type:

Room:

Day:

Start Time:

End Time:

Class Status: On: Off:

Session:

Semester:

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Interface Design for Delete Class Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Delete Class

Class: CM4061 - Paul Mowat - Laboratory - Thursday - 1200 - 1

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Interface Design for View/Export Class Attendance Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

View/Export Class Attendance

Please select class to view or export it's attendance. Please note you can only view classes you lecture.

Class:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

View/Export Class Attendance

Below is a list of the attendance details for the selected class.

Matric Number	Name	Group	1	2	3	4	5	6	7	8	9	10	11	12
0404691	David Henderson		0	0	0	0	0	0	0	0	0	0	0	0
niccolo	Niccolo		1	1	1	1	1	1	1	0	1	0	0	0
Paul	Paul Mowat		0	0	0	0	0	0	1	0	1	1	0	0

If you wish to export this classes attendance into a CSV file, please click the link below.

[Click Here](#)

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Interface Design for Import Students to Class Page of Class Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Import Students To Class

Please select the class you want to import students to.

Class:

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Import Students To Class

Please select the CSV file that contains your class list.

CSV File:

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Interface Design for Lecturer Home Page of Lecturer Section

<h1>Attendance Monitoring</h1> 							
Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
<p>Lecturers</p> <p>View Lecturer Select this option if you wish to view the details of a individual Lecturer.</p> <p>Add Lecturer Select this option if you wish to add a new Lecturer to the system.</p> <p>Edit Lecturer Select this option if you wish to edit a Lecturer currently available on the system.</p> <p>Delete Lecturer Select this option if you wish to delete a Lecturer.</p> <p>Edit Lecturer Password Select this option if you wish to change a Lecturers password.</p>							

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Interface Design for View Lecturer Page of Lecturer Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)

> [Edit Lecturer
Password](#)

View Lecturer

Please select lecturer you wish to view and their details will be displayed.

Lecturer:

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Attendance Monitoring



[Home](#) [Students](#) [Courses](#) [Modules](#) [Classes](#) [Lecturers](#) [Configuration](#) [Logout](#)

- > [View Lecturer](#)
- > [Add Lecturer](#)
- > [Edit Lecturer](#)
- > [Delete Lecturer](#)

- > [Edit Lecturer
Password](#)

View Lecturer

Title:

Name:

Email:

Office:

Position:

Website:

Telephone:

Admin Group:

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Interface Design for Add Lecturer Page of Lecturer Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)

> [Edit Lecturer](#)
Password

Add Lecturer

Please use the fields below to add a lecturer. Required fields are indicated by a *.

Title: *

Name: *

Email: *

Office:

Position: *

Website:

Telephone:

Admin Group: *

Password: *

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Interface Design for Edit Lecturer Page of Lecturer Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)
> [Edit Lecturer Password](#)

Edit Lecturer

Please select lecturer you wish to edit and their details will be displayed.

Lecturer:

© 2006 Paul Mowat



- > [View Lecturer](#)
- > [Add Lecturer](#)
- > [Edit Lecturer](#)
- > [Delete Lecturer](#)

- > [Edit Lecturer](#)
- > [Password](#)

Edit Lecturer

Please use the fields below to add a lecturer. Required fields are indicated by a *.

Title:	<input type="text" value="Mr"/>
Name: *	<input type="text" value="Paul Mowat"/>
Email: *	<input type="text" value="paul@rgu.ac.uk"/>
Office:	<input type="text"/>
Position: *	<input type="text" value="lecturer"/>
Website:	<input type="text"/>
Telephone:	<input type="text" value="01224533354"/>
Admin Group: *	<input type="text" value="Lecturer"/>

[Edit Lecturer](#)[Reset Form](#)

Interface Design for Delete Lecturer Page of Lecturer Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)

> [Edit Lecturer
Password](#)

Delete Lecturer

Please select the lecturer you wish to delete.

Lecturer:

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Interface Design for Edit Lecturer Password Page of Lecturer Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)
> [Edit Lecturer Password](#)

Edit Lecturer Password

Please select lecturer whose password you wish to edit.

Lecturer: 

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Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)
> [Edit Lecturer Password](#)

Edit Lecturer Password

Please enter password below.

Password:

Confirm Password:

© 2006 Paul Mowat

Interface Design for Edit My Password Page of Lecturer Section

<h3>Attendance Monitoring</h3> 				
Home	Students	Classes	Lecturers	Logout
<ul style="list-style-type: none">> View Lecturer> Edit My Details> <u>Change My Password</u>	<h4>Change My Password</h4> <p>Please enter password below. You will be asked to login again.</p> <p>Password: <input type="text"/></p> <p>Confirm Password: <input type="text"/></p> <p><input type="button" value="Change Password"/></p>			
© 2006 Paul Mowat				

Interface Design for Edit My Details Password Page of Lecturer Section

Attendance Monitoring 

Home Students Classes Lecturers Logout

> [View Lecturer](#)
> [Edit My Details](#)
> [Change My Password](#)

Edit My Details

Please use the fields below to edit your details. Required fields are indicated by a *.

Title: * Mr

Name: * Paul Mowat

Email: * paul@rgu.ac.uk

Office:

Website:

Telephone: 01224533354

© 2006 Paul Mowat

Interface Design for Configuration Home Page of Configuration Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [Set Week Dates](#)

Configuration

Set Week Dates

Set the dates required for to represent each week of the academic year.

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Interface Design for Set Week Dates Page of Configuration Section

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [Set Week Dates](#)

Set Week Dates

The setting of these dates are critical to the system. These dates determine which week it currently is, and therefore which week the student is attending. The dates should be set to the monday of each week

Note: This cannot be undone!

Session:

Semester 1

Week 1	1	▼	January	▼	2005	▼
Week 2	1	▼	January	▼	2005	▼
Week 3	1	▼	January	▼	2005	▼
Week 4	1	▼	January	▼	2005	▼
Week 5	1	▼	January	▼	2005	▼
Week 6	1	▼	January	▼	2005	▼
Week 7	1	▼	January	▼	2005	▼
Week 8	1	▼	January	▼	2005	▼
Week 9	1	▼	January	▼	2005	▼
Week 10	1	▼	January	▼	2005	▼
Week 11	1	▼	January	▼	2005	▼
Week 12	1	▼	January	▼	2005	▼
Week 13	1	▼	January	▼	2005	▼

Semester 2

Week 1	1	▼	January	▼	2005	▼
Week 2	1	▼	January	▼	2005	▼
Week 3	1	▼	January	▼	2005	▼
Week 4	1	▼	January	▼	2005	▼
Week 5	1	▼	January	▼	2005	▼
Week 6	1	▼	January	▼	2005	▼
Week 7	1	▼	January	▼	2005	▼
Week 8	1	▼	January	▼	2005	▼
Week 9	1	▼	January	▼	2005	▼
Week 10	1	▼	January	▼	2005	▼
Week 11	1	▼	January	▼	2005	▼
Week 12	1	▼	January	▼	2005	▼
Week 13	1	▼	January	▼	2005	▼

Semester 3

Week 1	1	▼	January	▼	2005	▼
Week 2	1	▼	January	▼	2005	▼
Week 3	1	▼	January	▼	2005	▼
Week 4	1	▼	January	▼	2005	▼
Week 5	1	▼	January	▼	2005	▼
Week 6	1	▼	January	▼	2005	▼
Week 7	1	▼	January	▼	2005	▼
Week 8	1	▼	January	▼	2005	▼
Week 9	1	▼	January	▼	2005	▼
Week 10	1	▼	January	▼	2005	▼
Week 11	1	▼	January	▼	2005	▼
Week 12	1	▼	January	▼	2005	▼
Week 13	1	▼	January	▼	2005	▼
Week 14	1	▼	January	▼	2005	▼
Week 15	1	▼	January	▼	2005	▼

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Interface Design for Admin Logout Area

<h3>Attendance Monitoring</h3> 							
Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
<h4>Logout</h4> <p>Do you wish to logout and end your session?</p> <p><input type="button" value="Yes"/> <input type="button" value="No"/></p>							
© 2006 Paul Mowat							

Interface Design for Student Interface Login Page

Attendance Monitoring

Attendance Monitoring



> [View Average Attendance](#)

Welcome Paul Mowat (Paul)

You are logged on to Computer BEDROOM which is in Room BEDROOM.

Today is Friday 07th of April 2006 and the Time is 1937.

There is a class currently underway in this room. You are a member of this class, and therefore your Attendance has been recorded.

© 2006 Paul Mowat

Interface Design For Student Interface Average Attendance Page

Attendance Monitoring

Attendance Monitoring



> [View Average Attendance](#)

View Average Attendance

Your Current Class's Attendance Details

Your Average Attendance

30.0%

70.0%

Class Average Attendance

36.7%

63.3%

Attended
 Didn't Attend

© 2006 Paul Mowat

E. Database Design

Database Structure

```
--  
-- Table structure for table `attendance`  
  
CREATE TABLE `attendance` (  
  `AttendanceID` int(100) NOT NULL auto_increment,  
  `AttendanceClassID` int(10) NOT NULL,  
  `AttendanceMatriNumber` varchar(10) NOT NULL,  
  `AttendanceGroup` varchar(5) default NULL,  
  `AttendanceWeek1` varchar(2) NOT NULL default '0',  
  `AttendanceWeek2` varchar(2) NOT NULL default '0',  
  `AttendanceWeek3` varchar(2) NOT NULL default '0',  
  `AttendanceWeek4` varchar(2) NOT NULL default '0',  
  `AttendanceWeek5` varchar(2) NOT NULL default '0',  
  `AttendanceWeek6` varchar(2) NOT NULL default '0',  
  `AttendanceWeek7` varchar(2) NOT NULL default '0',  
  `AttendanceWeek8` varchar(2) NOT NULL default '0',  
  `AttendanceWeek9` varchar(2) NOT NULL default '0',  
  `AttendanceWeek10` varchar(2) NOT NULL default '0',  
  `AttendanceWeek11` varchar(2) NOT NULL default '0',  
  `AttendanceWeek12` varchar(2) NOT NULL default '0',  
  `AttendanceWeek13` varchar(2) NOT NULL default '0',  
  `AttendanceWeek14` varchar(2) NOT NULL default '0',  
  `AttendanceWeek15` varchar(2) NOT NULL default '0',  
  PRIMARY KEY (`AttendanceID`),  
  UNIQUE KEY `uniqueAttendanceID` (`AttendanceClassID`, `AttendanceMatriNumber`)  
) ENGINE=MyISAM;  
  
-----  
  
--  
-- Table structure for table `class`  
  
CREATE TABLE `class` (  
  `ClassID` int(10) NOT NULL auto_increment,  
  `ClassModuleID` varchar(10) NOT NULL,  
  `ClassDay` varchar(15) NOT NULL,  
  `ClassStartTime` varchar(4) NOT NULL,  
  `ClassEndTime` varchar(4) NOT NULL,  
  `ClassRoom` varchar(10) NOT NULL,  
  `ClassType` varchar(15) NOT NULL,  
  `ClassStatus` enum('ON','OFF') NOT NULL default 'ON',  
  `ClassSession` varchar(10) NOT NULL,  
  `ClassSemester` enum('1','2','3') NOT NULL,  
  PRIMARY KEY (`ClassID`)  
) ENGINE=MyISAM;
```

```

-- -----
-- 
-- Table structure for table `class_lecturer_list`
-- 

CREATE TABLE `class_lecturer_list` (
  `ClassLecturerListID` int(10) NOT NULL auto_increment,
  `ClassLecturerListClassID` int(10) NOT NULL,
  `ClassLecturerListLecturerID` int(10) NOT NULL,
  PRIMARY KEY (`ClassLecturerListID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `course`
-- 

CREATE TABLE `course` (
  `CourseID` varchar(10) NOT NULL,
  `CourseName` tinytext NOT NULL,
  `CourseDuration` tinyint(2) unsigned NOT NULL default '4',
  PRIMARY KEY (`CourseID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `course_module_list`
-- 

CREATE TABLE `course_module_list` (
  `CourseModuleListID` int(100) NOT NULL auto_increment,
  `CourseModuleListCourseID` varchar(10) NOT NULL,
  `CourseModuleListYear` int(10) NOT NULL,
  `CourseModuleListModuleID` varchar(10) NOT NULL,
  PRIMARY KEY (`CourseModuleListID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `current_modules`
-- 

CREATE TABLE `current_modules` (
  `CurrentModulesID` int(10) NOT NULL auto_increment,
  `StudentsMatricNumber` varchar(10) NOT NULL,
  `CurrentModulesList` text NOT NULL,
  PRIMARY KEY (`CurrentModulesID`)
) ENGINE=MyISAM;

```

```

-- -----
-- 
-- Table structure for table `elective`
-- 

CREATE TABLE `elective` (
  `ElectiveID` int(10) NOT NULL auto_increment,
  `ElectiveMatricNumber` varchar(10) NULL,
  `ElectiveModuleID` varchar(10) NULL,
  PRIMARY KEY (`ElectiveID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `lecturer`
-- 

CREATE TABLE `lecturer` (
  `LecturerID` int(10) NOT NULL auto_increment,
  `LecturerTitle` enum('Mr', 'Mrs', 'Miss', 'Dr', 'Prof') NOT NULL,
  `LecturerName` varchar(60) NOT NULL,
  `LecturerEmail` tinytext NOT NULL,
  `LecturerOffice` varchar(20) default NULL,
  `LecturerPosition` varchar(50) NOT NULL,
  `LecturerWebsite` tinytext NULL,
  `LecturerTelephone` varchar(20) default NULL,
  `LecturerAdminGroup` varchar(20) NOT NULL,
  `LecturerPassword` varchar(50) NOT NULL,
  PRIMARY KEY (`LecturerID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `module`
-- 

CREATE TABLE `module` (
  `ModuleID` varchar(10) NOT NULL,
  `ModuleName` tinytext NOT NULL,
  `ModuleRevision` tinyint(1) default '1',
  PRIMARY KEY (`ModuleID`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `previous_modules`
-- 

CREATE TABLE `previous_modules` (
  `PreviousModulesID` int(10) NOT NULL auto_increment,
  `StudentsMatricNumber` varchar(10) NOT NULL,
  `PreviousModulesList` text NOT NULL,
  PRIMARY KEY (`PreviousModulesID`)
) ENGINE=MyISAM;

```

```

-- -----
-- 
-- Table structure for table `student`
-- 

CREATE TABLE `student` (
  `StudentsMatriNumber` varchar(10) NOT NULL,
  `StudentsName` varchar(60) NOT NULL,
  `StudentsEmail` varchar(50) default NULL,
  `StudentsCourseID` varchar(10) NOT NULL,
  `StudentsCurrentYear` tinyint(1) NOT NULL,
  `StudentsGraduationYear` smallint(4) default NULL,
  `StudentsDirectEntry` enum('Y','N') NOT NULL default 'N',
  PRIMARY KEY (`StudentsMatriNumber`)
) ENGINE=MyISAM;

-- -----
-- 
-- Table structure for table `weekdate`
-- 

CREATE TABLE `weekdate` (
  `Session` varchar(9) NOT NULL,
  `Semester` tinyint(1) unsigned NOT NULL,
  `WeekNumber` tinyint(1) unsigned NOT NULL,
  `Date` timestamp NOT NULL default CURRENT_TIMESTAMP on update CURRENT_TIMESTAMP,
  UNIQUE KEY `SemesterWeekNumber` (`Semester`,`WeekNumber`)
) ENGINE=MyISAM;

```

Normalization

Students

UNF	1NF	2NF	3NF
<u>StudentsMatricNumber</u>		<u>StudentsMatricNumber</u>	<u>StudentsMatricNumber</u>
StudentsName		StudentsName	StudentsName
StudentsEmail		StudentsEmail	StudentsEmail
StudentsCourseID		StudentsCourseID	StudentsCourseID
StudentsCurrentYear		StudentsCurrentYear	StudentsCurrentYear
StudentsGraduationYear		StudentsGraduationYear	StudentsGraduationYear
StudentsDirectEntry		StudentsDirectEntry	StudentsDirectEntry
CurrentModulesList		<u>StudentsMatricNumber</u>	<u>StudentsMatricNumber</u>
PreviousModulesList		<u>CurrentModulesID</u>	<u>CurrentModulesID</u>
		CurrentModulesList	StudentCurrentModulesList
		<u>StudentsMatricNumber</u>	<u>StudentsMatricNumber</u>
		<u>PreviousModulesID</u>	<u>PreviousModulesID</u>
		PreviousModuesList	PreviousModuesList

Course

UNF	1NF	2NF	3NF
<u>CourseID</u> CourseName CourseDuration CourseRevision		<u>CourseID</u> Already In 3NF	<u>CourseID</u> CourseName CourseDuration CourseRevision

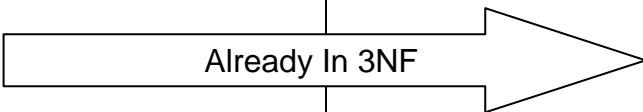
Module & Class

UNF	1NF	2NF	3NF
<u>ModuleID</u> ModuleName ModuleRevision	<u>ModuleID</u> ModuleName ModuleRevision	<u>ModuleID</u> ModuleName ModuleRevision	<u>ModuleID</u> ModuleName ModuleRevision
<u>ClassID</u> ClassDay ClassStartTime ClassEndTime ClassType ClassStatus ClassSession ClassSemester ClassLecturerID	<u>ModuleID</u> <u>ClassID</u> ClassDay ClassStartTime ClassEndTime ClassType ClassStatus ClassSession ClassSemester ClassLecturerID	<u>ModuleID</u> <u>ClassID</u> ClassDay ClassStartTime ClassEndTime ClassType ClassStatus ClassSession ClassSemester <u>ClassLecturerListID</u>	<u>ModuleID</u> <u>ClassID</u> ClassDay ClassStartTime ClassEndTime ClassType ClassStatus ClassSession ClassSemester <u>ClassLecturerListID</u> ClassID ClassLecturerID

Lecturer

UNF	1NF	2NF	3NF
<u>LecturerID</u> LecturerTitle LecturerName LecturerEmail LecturerOffice LecturerPosition LecturerWebsite LecturerTelephone LecturerGroup LecturerPassword			<u>LecturerID</u> LecturerTitle LecturerName LecturerEmail LecturerOffice LecturerPosition LecturerWebsite LecturerTelephone LecturerGroup LecturerPassword

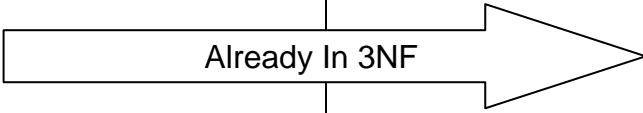
Already In 3NF



Attendance

UNF	1NF	2NF	3NF
<u>AttendanceID</u> <u>ClassID</u> MatricNumber Week1 Week2 Week3 Week4 Week5 Week6 Week7 Week8 Week9 Week10 Week11 Week12 Week13 Week14 Week15			<u>AttendanceID</u> <u>ClassID</u> MatricNumber Week1 Week2 Week3 Week4 Week5 Week6 Week7 Week8 Week9 Week10 Week11 Week12 Week13 Week14 Week15

Already In 3NF



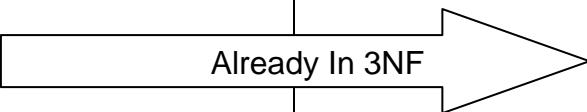
Elective

UNF	1NF	2NF	3NF
<u>ElectiveID</u> <u>ElectiveMatricNumber</u> ElectiveModuleName	<u>ElectiveID</u> <u>ElectiveMatricNumber</u> ElectiveModuleID ModuleID ModuleName	<u>ElectiveID</u> <u>ElectiveMatricNumber</u> ElectiveModuleID ModuleID ModuleName	<u>ElectiveID</u> <u>ElectiveMatricNumber</u> ElectiveModuleID ModuleID ModuleName

Course Module List

UNF	1NF	2NF	3NF
<u>CourseModuleListID</u> CourseModuleListCourseID CourseModuleListYear CourseModuleListModuleID			<u>CourseModuleListID</u> CourseModuleListCourseID CourseModuleListYear CourseModuleListModuleID

Already In 3NF



Optimized Data Tables

Students	Course	Lecturer	Modules
<u>StudentsMatricNumber</u> StudentsName StudentsEmail StudentsCourseID StudentsCurrentYear StudentsGraduationYear StudentsDirectEntry	<u>CourseID</u> CourseName CourseDuration CourseRevision	<u>LecturerID</u> LecturerTitle LecturerName LecturerEmail LecturerOffice LecturerPosition LecturerWebsite LecturerTelephone LecturerGroup LecturerPassword	<u>ModuleID</u> ModuleName ModuleRevision
Class	Class Lecturer List	Current Modules	Previous Modules
<u>ModuleID</u> <u>ClassID</u> ClassDay ClassStartTime ClassEndTime ClassType ClassStatus ClassSession ClassSemester	<u>ClassLecturerListID</u> <u>ClassLecturerListClassID</u> ClassLecturerListLecturerID	<u>StudentsMatricNumber</u> <u>CurrentModulesID</u> CurrentModulesList	<u>StudentsMatricNumber</u> <u>PreviousModulesID</u> PreviousModuesList
Attendance	Elective	Course_Module_List	
<u>AttendanceID</u> <u>ClassID</u> MatricNumber Week1 Week2 Week3 Week4 Week5 Week6 Week7 Week8 Week9 Week10 Week11 Week12 Week13 Week14 Week15	<u>ElectiveID</u> <u>ElectiveMatricNumber</u> ElectiveModuleID	<u>CourseModuleListID</u> CourseModuleListCourseID CourseModuleListYear CourseModuleListModuleID	

Data Dictionary

Students

Attribute Name	Description	Data Type	Length	Null	Default
<u>StudentsMatricNumber</u>	Primary Key	Varchar	10	No	
<u>StudentsName</u>		Varchar	60	No	
<u>StudentsEmail</u>		Varchar	50	Yes	
<u>StudentsCourseID</u> *	Foreign Key	Varchar	10	No	
<u>StudentsCurrentYear</u>		Tinyint	1	No	
<u>StudentsGraduationYear</u>		Smallint	4	No	
<u>StudentsDirectEntry</u>		Enum('Y','N')		No	N

Course

Attribute Name	Description	Data Type	Length	Null	Default
<u>CourseID</u>	Primary Key	Varchar	10	No	
<u>CourseName</u>		Tinytext		No	
<u>CourseDuration</u>		Tinyint	2	No	4

Module

Attribute Name	Description	Data Type	Length	Null	Default
<u>ModuleID</u>	Primary Key	Varchar	10	No	
ModuleName		Tinytext		No	
ModuleRevision		Tinyint	2	No	1

Class

Attribute Name	Description	Data Type	Length	Null	Default
<u>ClassID</u>	Primary Key	Int	10	No	
<u>ClassModuleID</u>	Compound Key	Varchar	10	No	
ClassDay		Varchar	15	No	
ClassStartTime		Varchar	4	No	
ClassEndTime		Varchar	4	No	
ClassType		Varchar	15	No	
ClassStatus		Enum("ON","OFF")		No	ON
ClassSession		Varchar	10	No	
ClassSemester		Enum("1","2",3")		No	

Elective

Attribute Name	Description	Data Type	Length	Null	Default
<u>ElectiveID</u>	Primary Key	Int	10	No	
<u>ElectiveMatricNumber</u>	Compound Key	Varchar	10	No	
<u>ElectiveModuleID</u>		Varchar	10	No	

Lecturer

Attribute Name	Description	Data Type	Length	Null	Default
<u>LecturerID</u>	Primary Key	Int	10	No	
<u>LecturerTitle</u>		Varchar	10	No	
<u>LecturerName</u>		Varchar	60	No	
<u>LecturerEmail</u>	Used to log into system	Tinytext		No	
<u>LecturerOffice</u>		Varchar	20	Yes	
<u>LecturerPosition</u>		Varchar	50	No	
<u>LecturerWebsite</u>		Tinytext		Yes	
<u>LecturerTelephone</u>		Varchar	20	Yes	
<u>LecturerAdminGroup</u>		Varchar	20	No	
<u>LecturerPassword</u>	Encrypted Password	Varchar	50	No	

Class Lecturer List

Attribute Name	Description	Data Type	Length	Null	Default
ClassLecturerListID	Primary Key	Int	10	No	
ClassLecturerListClassID	Compound Key	Int	10	No	
ClassLecturerListLecturerID		Int	10	No	

Current Modules

Attribute Name	Description	Data Type	Length	Null	Default
CurrentModulesID	Primary Key	Int	10	No	
StudentsMatricNumber	Compound Key	Varchar	10	No	
CurrentModulesList	Comma Separated List of Module ID's that student is currently taking	Text		No	

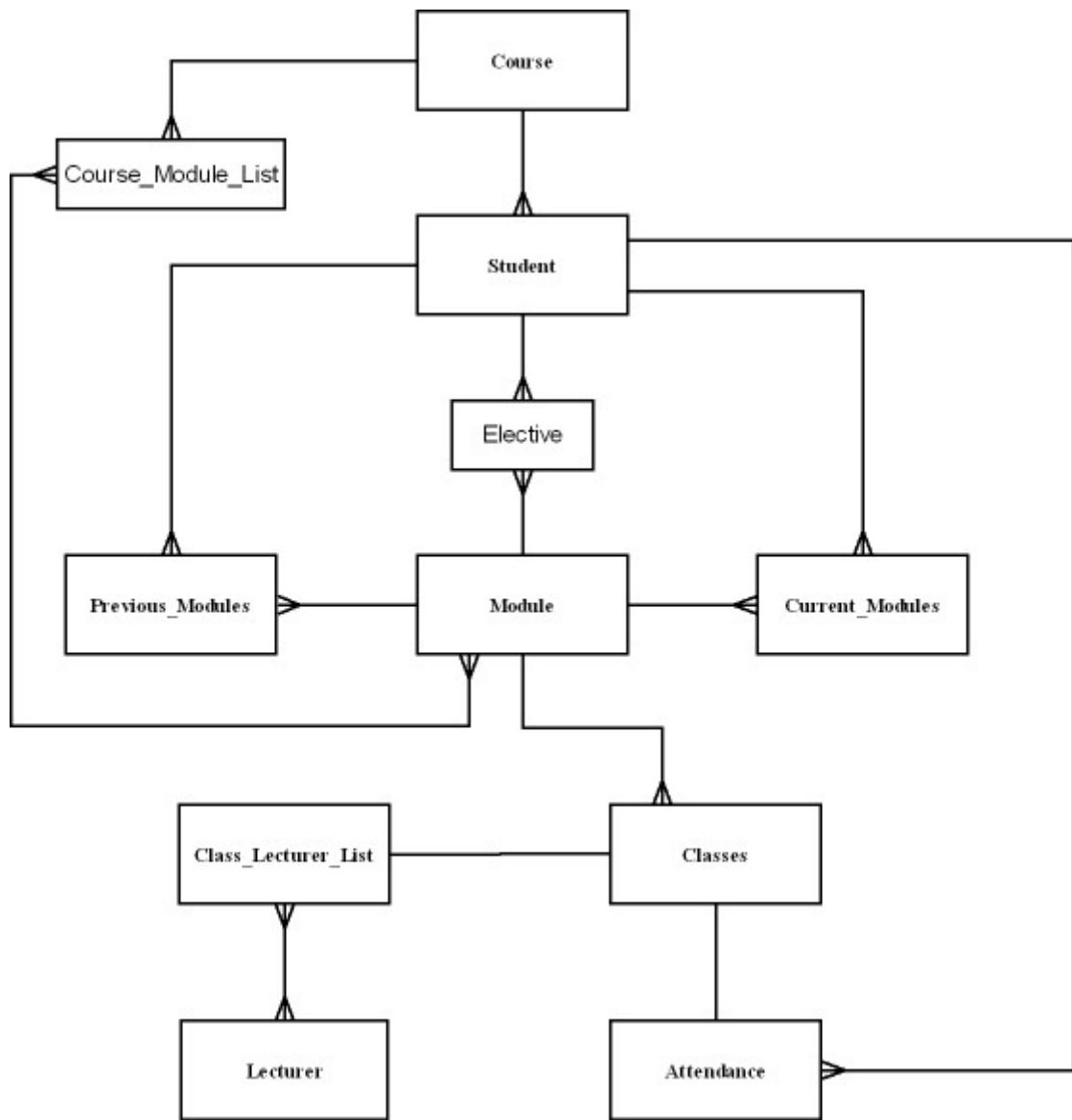
Previous Modules

Attribute Name	Description	Data Type	Length	Null	Default
<u>PreviousModulesID</u>	Primary Key	Int	10	No	
<u>StudentsMatricNumber</u>	Compound Key	Varchar	10	No	
<u>PreviousModulesList</u>	Comma Separated List of Module ID's that student has completed	Text		No	

Course Module List

Attribute Name	Description	Data Type	Length	Null	Default
<u>CourseModuleListID</u>	Primary Key	Int	10	No	
<u>CourseModuleListCourseID</u>	Compound Key	Varchar	10	No	
<u>CourseModuleListYear</u>		Int	10	No	
<u>CourseModuleListModuleID</u>		Varchar	10	No	

Entity Relationship Diagram



F. Testing

Login/Logout Screens

Login Screen – Correct Details (login.php)

Text Input: Email Address = "n.capanni@rgu.ac.uk", Password = "attendancesystem"

Expected Output: The user is logged in successfully and a welcome screen is displayed.

The screenshot shows the 'Attendance Monitoring' system. At the top, there is a header with the title 'Attendance Monitoring' and a small clock icon. Below the header is a menu bar with links: Home, Students, Classes, Lecturers, and Logout. The main content area displays a welcome message: 'Welcome Niccolo Capanni'. It also includes instructions: 'Please use the menu above to navigate through the different sections.' and 'If you are having any problems in using the system please contact [Paul Mowat](#) for further information.' At the bottom right of the content area, there is a copyright notice: '© 2006 Paul Mowat'.

Actual Output: The user is logged in successfully and a welcome screen is displayed.

Result: Test Passed

Login Screen – Incorrect Details (login.php)

Text Input: Email Address = "n.capanni@rgu.ac.uk", Password = "attendance"

Expected Output: User not logged in and an error message stating that the information entered is not valid.

The screenshot shows a web application titled "Attendance Monitoring" with a logo of a stopwatch. The navigation bar includes links for Home, Students, Classes, Lecturers, and Logout. The main content area is titled "Login". It displays an error message: "Error: The information you entered is not correct, Please re-enter and try again!". Below the message are two input fields for "Email Address" and "Password", both currently empty. A "Login" button is positioned below the password field. At the bottom right of the page, there is a copyright notice: "© 2006 Paul Mowat".

Actual Output: User not logged in and an error message stating that the information entered is not valid.

Result: Test Passed

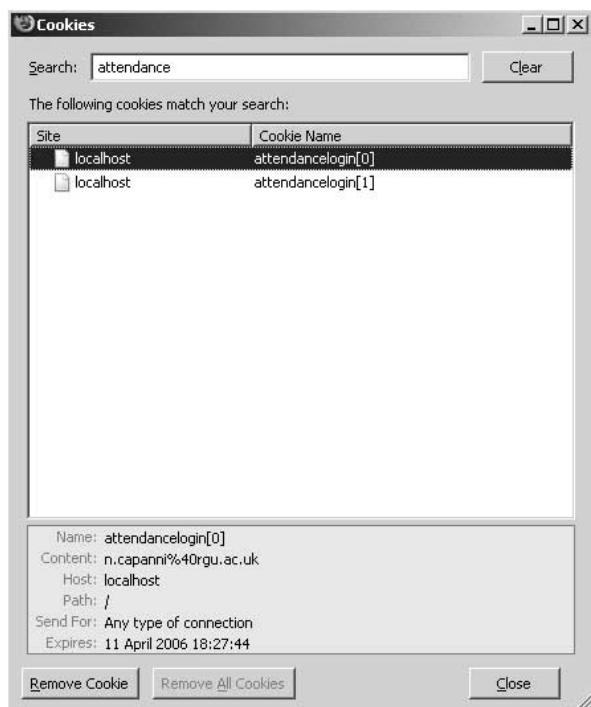
Logout Screen – Yes (logout.php)

Text Input: Click “Yes” button

Expected Output: User is logged out successfully and cookies are deleted. The user is then redirected to login screen.



The screenshot shows the 'Attendance Monitoring' system's login interface. At the top, there is a navigation bar with links for Home, Students, Classes, Lecturers, and Logout. A clock icon is positioned next to the Logout link. Below the navigation bar, the word 'Login' is displayed in a large, bold font. There are two input fields: 'Email Address' and 'Password', each with a corresponding text input box. Below these fields is a 'Login' button.



Actual Output: The cookies were deleted successfully and the user is redirected.

Result: Test Passed

Logout Screen - No (logout.php)

Text Input: Click “No” button

Expected Output: User is not logged out and they are redirected to main page.

The screenshot shows a web application titled "Attendance Monitoring". At the top, there is a navigation menu with links for "Home", "Students", "Classes", "Lecturers", and "Logout". To the right of the menu is a circular icon containing a stylized letter "V". The main content area has a heading "Attendance Monitoring" and a welcome message: "Welcome Niccolo Capanni". It also includes instructions: "Please use the menu above to navigate through the different sections." and "If you are having any problems in using the system please contact Paul Mowat for further information." At the bottom right of the page, there is a copyright notice: "© 2006 Paul Mowat".

Actual Output: Users is not logged out and they are redirected to main page.

Result: Test Passed

Students Section – (/sections/students/)

View Student - (view_student.php)

Text Input: Enter “Naomi” as query. Select “Naomi Lund”, Click “View Selected Student”

Expected Output: The students details are displayed on screen.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

View Student

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Matriculation Number:

Name:

Email:

Course:

Year of Study:

Year of Graduation:

Direct Entry Student:

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Actual Output: The student's details are displayed correctly on screen.

Result: Test Passed

Add Student - (add_student.php)

Text Input: Matriculation Number = "0606066"

Name = "Brian Gallachar"

Email = "u0606066@rgu.ac.uk"

Course = "Computing For Internet & Multimedia"

Year of Study = "4"

Year of Graduation = "2006"

Direct Entry = "Yes"

Expected Output: The students details are added into the systems database.

Attendance Monitoring



View Student

Matric Number	Name	Course	View
031233	Naomi Lund	Computing For Internet & Multimedia	<input checked="" type="radio"/>
0404691	David Henderson	Computer Science	<input type="radio"/>
0605065	Billy-Joe Gauld	Computer Science	<input type="radio"/>
0606066	Brian Gallacher	Computing For Internet & Multimedia	<input type="radio"/>
Paul	Paul Mowat	Computer Science	<input type="radio"/>

[View Selected Student](#)

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Actual Output: The student's details are added into the database.

Result: Test Passed

Edit Student - (edit_student.php)

Text Input: Enter "Brian", Select "Brian Gallagher", Click "Edit Selected Student", Modify Matriculation Number = "0606066" to "0404693" Email = u0606066@rgu.ac.uk to "u0404693@rgu.ac.uk" Direct Entry = "Yes" to "No"

Expected Output: The students details are updated correctly in the systems database.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

View Student

Matriculation Number:	0404693
Name:	Brian Gallachar
Email:	u0404693@rgu.ac.uk
Course:	Computing For Internet & Multimedia
Year of Study:	4
Year of Graduation:	2006
Direct Entry Student:	No

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Actual Output: The student's details are updated in the database correctly.

Result: Test Passed

Delete Student - (delete_student.php)

Text Input: Enter "Brian", Select "Brian Gallacher", Click "Delete Selected Students"

Expected Output: The students details are deleted from the system.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)
> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

View Student

Metric Number	Name	Course	View
031233	Naomi Lund	Computing For Internet & Multimedia	<input checked="" type="radio"/>
0404691	David Henderson	Computer Science	<input type="radio"/>
0605065	Billy-Joe Gauld	Computer Science	<input type="radio"/>
Paul	Paul Mowat	Computer Science	<input type="radio"/>

[View Selected Student](#)

© 2006 Paul Mowat

Actual Output: The students details are deleted from the database correctly.

Result: Test Passed

Import Student CSV File - (import_csv.php)

Text Input: Select StudentList.csv and Click "Process CSV File"

Expected Output: The students are imported to the database and their details displayed.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Import CSV

The following students have been added to the database successfully!

Matric Number	Name	Email	Course ID	Current Year	Graduation Year	Direct Entry
0404695	Paul Mowat	paul@paulmowat.co.uk	CM6005	1	2006	N
0404699	Naomi Lund	naomi@hotmail.com	CM4005	2	2005	N
0404691	David Henderson	0404691@hotmail.com	CM4005	1	2007	N
0404698	Alison Hastie	ally@hotmail.com	CM6005	2	2005	Y
0659594	Dominic Lund	dom_lund@hotmail.com	CM4005	3	2005	Y

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Actual Output: The CSV is processed correctly and the Students Details are imported into the database successfully.

Result: Test Passed

Assign Electives to Student - (assign_electives_to_student.php)

Text Input: Enter “Paul”, Select “Paul Mowat”, Select Module “CM3002”, Click “Assign Elective”

Expected Output: The elective is assigned to the Student and cannot be assigned to the same student again.

The screenshot shows the 'Attendance Monitoring' application interface. At the top, there is a navigation bar with links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. A clock icon is positioned above the navigation bar. The main content area has a title 'Assign Elective'. To the left of the main content, there is a sidebar with a list of links: View Student, Add Student, Edit Student, Delete Student, Import Student CSV File, Assign Elective To Student, and Remove Elective From Student. The 'Assign Elective To Student' link is highlighted. Below the sidebar, there is a form field labeled 'Module:' with a dropdown menu. The dropdown menu contains five options: CM4061 - Advanced Information Retrieval (selected), CM4061 - Advanced Information Retrieval, CM9999 - Applications Of Data Mining, EN4800 - Science Of Management, and CM4002 - Information Strategy Planning. A button labeled 'Assign Elective' is located below the dropdown menu. At the bottom right of the page, there is a copyright notice: © 2006 Paul Mowat.

Actual Output: The elective is assigned to the student, and is removed from the students list of available modules.

Result: Test Passed

Remove Electives from Student - ([remove_electives_from_student.php](#))

Text Input: Enter “Paul”, Select “Paul Mowat”, Select Module “CM3002”, Click “Remove Elective”

Expected Output: The elective is removed from the Student.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

> [View Student](#)
> [Add Student](#)
> [Edit Student](#)
> [Delete Student](#)
> [Import Student CSV File](#)

> [Assign Elective To Student](#)
> [Remove Elective From Student](#)

Remove Elective

Please select the elective below to remove from the current student.

Module:

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Actual Output: The elective is removed from the Student and cannot be removed again.

Result: Test Passed

Course Section – (/sections/courses)

View Course – (view_course.php)

Text Input: Select “Computing For Internet & Multimedia”, Click “Find Course Details”

Expected Output: The courses details are displayed.



Attendance Monitoring

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout	
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------	--

View Course

Course ID:

Name:

Duration:

© 2006 Paul Mowat

Actual Output: The selected courses details are displayed.

Result: Test Passed

Add Course – (add_course.php)

Text Input: Course ID = “CM2003”

Name = “Web Technologies”

Duration = “1”

Expected Output: The courses details are added to the database.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

View Course

Course ID:

Name:

Duration:

© 2006 Paul Mowat

Actual Output: The courses details are successfully added to the database.

Result: Test Passed

Edit Course – (edit_course.php)

Text Input: Change

Course ID = “CM2003” to “CM3333”

Duration = “1” to “2”

Expected Output: The courses details are edited within the database.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)

> [Add Module To Course](#)
> [Remove Module From Course](#)

View Course

Course ID:

Name:

Duration:

© 2006 Paul Mowat

Actual Output: The courses details are successfully edited in the database.

Result: Test Passed

Delete Course – ([delete_course.php](#))

Text Input: Select “CM3333 Web Technologies”, Click “Delete Course”

Expected Output: The course is deleted from the database.

The screenshot shows a web application titled "Attendance Monitoring" with a clock icon. The navigation menu includes Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. On the left, a sidebar lists course management options: View Course, Add Course, Edit Course, Delete Course, Add Module To Course, and Remove Module From Course. The main content area is titled "View Course" and instructs the user to select a course to edit. A dropdown menu shows three options: Computer Science (selected), Computer Science, and Computing For Internet & Multimedia. A "Find Course Details" button is below the dropdown. At the bottom right, a copyright notice reads "© 2006 Paul Mowat".

Actual Output: The courses details are successfully edited in the database.

Result: Test Passed

Add Module to Course – (add_module_to_course.php)

Text Input: Select Course “Computer Science”, Select Year “1”, Click “Find Available Modules”, Click Module “CM9999”, Click “Add Selected Modules”

Expected Output: The module is added to the list of modules contained in the course year.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Course](#)
> [Add Course](#)
> [Edit Course](#)
> [Delete Course](#)
> [Add Module To Course](#)
> [Remove Module From Course](#)

Add Module To Course

Module Number	Name	Revision	Add
EN4800	Science Of Management	1	<input type="checkbox"/>

[Add Selected Modules](#)

© 2006 Paul Mowat

Actual Output: The module is added to the course and removed from the available module list for that course.

Result: Test Passed

Remove Module from Course – (remove_module_from_course.php)

Text Input: Select Course “Computer Science”, Select Year “1”, Click “Find Module Details”, Click Module “CM3002”, Click “Remove Selected Modules”

Expected Output: The module is removed from the list of modules currently assigned to that class.

The screenshot shows a web application titled "Attendance Monitoring" with a clock icon. The navigation menu includes Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. A sidebar on the left contains links for View Course, Add Course, Edit Course, Delete Course, Add Module To Course, and Remove Module From Course. The main content area is titled "Remove Module From Course". It displays a table with three rows of module data:

Module Number	Name	Revision	Remove
CM4061	Advanced Information Retrieval	2	<input type="checkbox"/>
CM9999	Applications Of Data Mining	5	<input type="checkbox"/>
CM4002	Information Strategy Planning	4	<input type="checkbox"/>

A "Remove Selected Modules" button is located at the bottom of the table. At the bottom right of the page, there is a copyright notice: © 2006 Paul Mowat.

Actual Output: The module is removed from the list of modules that are currently assigned to that class.

Result: Test Passed

Module Section – (/sections/modules/)

View Module – (view_module.php)

Text Input: Select Module “CM3002 Concurrent Programming”, Click “Find Module Details”

Expected Output: The modules details are displayed.

Screenshot of the Attendance Monitoring application showing the View Module page.

The page title is "Attendance Monitoring" with a clock icon. The navigation menu includes Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout.

The left sidebar contains links: > [View Module](#), > [Add Module](#), > [Edit Module](#), > [Delete Module](#).

The main content area is titled "View Module". It displays the following form fields:

Module ID:	CM3002
Name:	Concurrent Programming
Revision:	1

At the bottom right, there is a copyright notice: © 2006 Paul Mowat.

Actual Output: The modules details are displayed correctly.

Result: Test Passed

Add Module – (add_module.php)

Text Input: Module Id = “CM5555”

Name = “Internet Development Techniques”

Revision = “1”

Expected Output: The modules details are displayed.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

View Module

Module ID:

Name:

Revision:

© 2006 Paul Mowat

Actual Output: The module is added correctly into the database.

Result: Test Passed

Edit Module – (edit_module.php)

Text Input: Select Module “CM5555”, Click “Find Module Details”, Change Revision = “1” to “4”

Expected Output: The modules details are displayed.

Screenshot of the Attendance Monitoring application showing the 'View Module' page.

The page title is "Attendance Monitoring" with a clock icon. The navigation menu includes Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout.

The main content area displays the following module details:

- Module ID: CM5555
- Name: Internet Development Techniques
- Revision: 4

A sidebar on the left contains links: View Module, Add Module, Edit Module, and Delete Module.

Page footer: © 2006 Paul Mowat

Actual Output: The modules details are updated correctly.

Result: Test Passed

Delete Module – (delete_module.php)

Text Input: Select Module “CM5555”, Click “Delete Module”

Expected Output: The module is deleted from the database.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Module](#)
> [Add Module](#)
> [Edit Module](#)
> [Delete Module](#)

Delete Module

Please select the module you wish to delete.

Course:

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Actual Output: The modules are removed from the database correctly.

Result: Test Passed

Classes Section – (/sections/classes/)

View Class – (view_class.php)

Text Input: Select Class “CM4061 – Paul Mowat – Laboratory – Friday – 1200 – 1400”,

Click “Find Class Details”

Expected Output: The selected class's details are shown.

The screenshot shows the 'Attendance Monitoring' application interface. At the top, there is a navigation menu with links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. Below the menu, there is a circular logo with a clock face. The main content area is titled 'View Class'. On the left, there is a sidebar with links: View Class, Add Class, Edit Class, Delete Class, View/Export Class Attendance, and Import Students To Class. The main form fields are as follows:

Module:	CM4061
Lecturer:	Niccolo Capanni Paul Mowat Paul Mowat
Type:	Laboratory
Room:	bedroom
Day:	Friday
Start Time:	12 : 00
End Time:	14 : 00
Class Status:	ON
Session:	2005-2006
Semester:	1

At the bottom right of the form, there is a copyright notice: © 2006 Paul Mowat.

Actual Output: The selected classes details are shown correctly.

Result: Test Passed

Add Class – (add_class.php)

Text Input: Module = “C4061”, Lecturer = “Paul Mowat”, Type = “Lecture”, Room = “C64”, Day = “Monday”, Start Time = “1400”, End Time = “1500”, Class Status = “On”, Session = “2006-2007”, Semester = “1”

Expected Output: The class is successfully added to the database.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

View Class

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Module: CM4061

Lecturer: Niccolo Capanni
Paul Mowat
Paul Mowat

Type: Lecture

Room: C64

Day: Monday

Start Time: 14 00

End Time: 15 00

Class Status: ON

Session: 2006-2007

Semester: 1

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Actual Output: The Class Is successfully added to the database.

Result: Test Passed

Edit Class – (edit_class.php)

Text Input: Select Module “CM4061 – Paul Mowat – Lecture – Monday – 1400 - 1500”, Click “Find Class Details”, Change Type = “Lecture” to “Tutorial”, Change Day = “Monday” to “Thursday”

Expected Output: The module is updated within the database.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

View Class

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

Module: CM4061

Lecturer: Niccolo Capanni
Paul Mowat
Paul Mowat

Type: Tutorial

Room: C64

Day: Thursday

Start Time: 14 00

End Time: 15 00

Class Status: ON

Session: 2006-2007

Semester: 1

© 2006 Paul Mowat

Actual Output: The modules are updated correctly within the database.

Result: Test Passed

Delete Class – (delete_class.php)

Text Input: Select Module “CM4061 – Paul Mowat – Lecture – Monday – 1400 - 1500”,

Click “Delete Class”,

Expected Output: The class is deleted from the database.

The screenshot shows the 'Attendance Monitoring' application interface. At the top, there is a navigation bar with links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. A logo of a stopwatch is positioned above the navigation bar. The main content area has a title 'Delete Class'. To the left of the title is a sidebar with a list of links: View Class, Add Class, Edit Class, Delete Class, View/Export Class Attendance, and Import Students To Class. Below the title, there is a form field labeled 'Class:' containing a dropdown menu with three options: CM4061 - Paul Mowat - Laboratory - Friday - 1200 - 1400, CM4061 - Paul Mowat - Laboratory - Friday - 1200 - 1400, and EN4800 - Niccolo Capanni - Laboratory - Friday - 0900 - 1200. A 'Delete Class' button is located below the dropdown menu. At the bottom right of the page, there is a copyright notice: © 2006 Paul Mowat.

Actual Output: The class is deleted from the database successfully.

Result: Test Passed

View/Export Class Attendance – (view_export_class_attendance.php)

Text Input: Select Module “CM9999 – Niccolo Capanni – Tutorial – Wednesday – 1000 – 1200, Select “Select Class”

Expected Output: The class attendance details will be shown.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Class](#)
> [Add Class](#)
> [Edit Class](#)
> [Delete Class](#)
> [View/Export Class Attendance](#)
> [Import Students To Class](#)

View/Export Class Attendance

Below is a list of the attendance details for the selected class.

Metric Number	Name	Group	1	2	3	4	5	6	7	8	9	10	11	12
0404691	David Henderson		0	0	0	0	0	0	0	0	0	0	0	0

If you wish to export this classes attendance into a CSV file, please click the link below.

[Click Here](#)

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Actual Output: The class attendance details are correctly shown.

Result: Test Passed

Import Students to Class – (import_students_to_class.php)

Text Input: Select Module “CM4061 – Paul Mowat – Lecture – Monday – 1400 – 1500”, Click “Select Class”, Locate CSV File, Click “Import Students Into Class”

Expected Output: The CSV file is processed and the students are imported to the database.

The screenshot shows a web application titled "Attendance Monitoring". The header includes a logo of a pocket watch and navigation links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. On the left, a sidebar lists administrative actions: View Class, Add Class, Edit Class, Delete Class, View/Export Class Attendance, and Import Students To Class. The main content area is titled "Import Students To Class" and displays a message: "The following students have been imported into the class successfully!. Please note that if a student is already present in the class, they were ignored." Below this is a table with four columns: Matric Number, Name, Course, and Group. A single row is shown: Matric Number 0404691, Name David Henderson, Course CCS, and Group (empty). At the bottom right of the page is a copyright notice: © 2006 Paul Mowat.

Actual Output: The students are successfully imported to the selected class.

Result: Test Passed

Lecturers Section – (/sections/lecturers/)

View Lecturer – (view_lecturer.php)

Text Input: Select Lecturer “Niccolo Capanni”, Click “Find Lecturer Details”

Expected Output: The lecturer details are displayed on screen.

Attendance Monitoring 

Home	Students	Courses	Modules	Classes	Lecturers	Configuration	Logout
----------------------	--------------------------	-------------------------	-------------------------	-------------------------	---------------------------	-------------------------------	------------------------

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)

> [Edit Lecturer
Password](#)

View Lecturer

Title:	Mr
Name:	Niccolo Capanni
Email:	n.capanni@rgu.ac.uk
Office:	C25
Position:	Lecturer
Website:	http://www.comp.rgu.ac.uk/staff/nc
Telephone:	
Admin Group:	Lecturer

© 2006 Paul Mowat

Actual Output: The lecturer's details are displayed correctly on screen.

Result: Test Passed

Add Lecturer – (add_lecturer.php)

Text Input: Title = “Mr”, Name = “Frank Hermann”, Email = f.hermann@rgu.ac.uk, Position = “Lecturer”, Admin Group = “Lecturer”, Password = “AttendanceSystem”

Expected Output: The lecturer is added to the database.

The screenshot shows a web application titled "Attendance Monitoring". The header features a logo of a stopwatch and a navigation menu with links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. The main content area has a title "View Lecturer" and a message: "Please select lecturer you wish to view and their details will be displayed." Below this is a form with a dropdown menu labeled "Lecturer:" containing four options: Frank Hermann, Frank Hermann (selected), Niccolo Capanni, and Paul Mowat. A link "Find Lecturer Data" is visible at the bottom of the dropdown menu. At the bottom right of the page, there is a copyright notice: "© 2006 Paul Mowat".

Actual Output: The lecturer is successfully added into the database.

Result: Test Passed

Edit Lecturer – (edit_lecturer.php)

Text Input: Select Module “Frank Hermann”, Click “Find Lecturer Details”, Enter “<http://www.comp.rgu.ac.uk/staff/fh>” into website.

Expected Output: The lecturer’s details to be updated within the database.

Attendance Monitoring 

Home Students Courses Modules Classes Lecturers Configuration Logout

> [View Lecturer](#)
> [Add Lecturer](#)
> [Edit Lecturer](#)
> [Delete Lecturer](#)

> [Edit Lecturer Password](#)

View Lecturer

Title:	Mr
Name:	Frank Hermann
Email:	f.hermann@rgu.ac.uk
Office:	C25
Position:	Lecturer
Website:	http://www.comp.rgu.ac.uk/staff/fh
Telephone:	
Admin Group:	Lecturer

© 2006 Paul Mowat

Actual Output: The lecturer’s details are successfully updated.

Result: Test Passed

Delete Lecturer – (delete_lecturer.php)

Text Input: Select “Frank Hermann” and Click “Delete Lecturer”

Expected Output: The lecturer is deleted from the system.

The screenshot shows a web application titled "Attendance Monitoring". The header includes a clock icon and navigation links for Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. On the left, a sidebar lists links for View Lecturer, Add Lecturer, Edit Lecturer, Delete Lecturer, Edit Lecturer Password, and another Edit Lecturer link. The main content area is titled "View Lecturer" and contains a message: "Please select lecturer you wish to view and their details will be displayed." Below this is a dropdown menu labeled "Lecturer:" with three options: Niccolo Capanni (selected), Niccolo Capanni, and Paul Mowat. A "Find Lecturer Details" button is located below the dropdown. At the bottom right of the page is a copyright notice: "© 2006 Paul Mowat".

Actual Output: The lecturer is successfully deleted from the database.

Result: Test Passed

Edit Lecturer Password – (edit_lecturer_password.php)

Text Input: Select Lecturer “Paul Mowat”, Click “Select Lecturer”, Enter “AttendanceSystem” as password and enter “AttendanceSystem” again to confirm.

Expected Output: The password is changed and the user is prompted to logon using their new password as soon as they try to view a page.

The screenshot shows a web application titled "Attendance Monitoring". The header includes a logo of a stopwatch and navigation links: Home, Students, Courses, Modules, Classes, Lecturers, Configuration, and Logout. On the left, a sidebar lists links: View Lecturer, Add Lecturer, Edit Lecturer, Delete Lecturer, and the selected "Edit Lecturer Password". The main content area is titled "Edit Lecturer Password" and displays the message "Password Successfully Changed." A copyright notice at the bottom right reads "© 2006 Paul Mowat".

Actual Output: The lecturer's password was successfully edited.

Result: Test Passed

Configuration Section – (/sections/configuration/)

Set Week Dates – (set_week_dates.php)

Text Input: Select Session “2007-2008”

Enter the following data

Semester	Week	Date
1	1	2005-09-26
1	2	2005-10-03
1	3	2005-10-10
1	4	2005-10-17
1	5	2005-10-24
1	6	2005-10-31
1	7	2005-11-07
1	8	2005-11-14
1	9	2005-11-21
1	10	2005-11-28
1	11	2005-12-05
1	12	2005-12-12
2	1	2006-01-30
2	2	2006-02-06
2	3	2006-02-13
2	4	2006-02-20
2	5	2006-02-27
2	6	2006-03-06
2	7	2006-03-13
2	8	2006-03-20
2	9	2006-03-27
2	10	2006-04-03
2	11	2006-04-10
2	12	2006-04-17
3	1	2006-05-29
3	2	2006-06-05
3	3	2006-06-12
3	4	2006-06-19
3	5	2006-06-26
3	6	2006-07-03
3	7	2006-07-10
3	8	2006-07-17
3	9	2006-07-24

3	10	2006-07-31
3	11	2006-08-07
3	12	2006-08-14
1	13	2005-12-19
2	13	2006-04-24
3	13	2006-08-21
3	14	2006-08-28
3	15	2006-09-04

Expected Output: The week dates are inserted into the database

← ↑ →	Session	Semester	WeekNumber	Date
□ ✎ ✗	2006-2007	1	1	2005-09-26 00:00:00
□ ✎ ✗	2006-2007	1	2	2005-10-03 00:00:00
□ ✎ ✗	2006-2007	1	3	2005-10-10 00:00:00
□ ✎ ✗	2006-2007	1	4	2005-10-17 00:00:00
□ ✎ ✗	2006-2007	1	5	2005-10-24 00:00:00
□ ✎ ✗	2006-2007	1	6	2005-10-31 00:00:00
□ ✎ ✗	2006-2007	1	7	2005-11-07 00:00:00
□ ✎ ✗	2006-2007	1	8	2005-11-14 00:00:00
□ ✎ ✗	2006-2007	1	9	2005-11-21 00:00:00
□ ✎ ✗	2006-2007	1	10	2005-11-28 00:00:00
□ ✎ ✗	2006-2007	1	11	2005-12-05 00:00:00
□ ✎ ✗	2006-2007	1	12	2005-12-12 00:00:00
□ ✎ ✗	2006-2007	2	1	2006-01-30 00:00:00
□ ✎ ✗	2006-2007	2	2	2006-02-06 00:00:00
□ ✎ ✗	2006-2007	2	3	2006-02-13 00:00:00
□ ✎ ✗	2006-2007	2	4	2006-02-20 00:00:00
□ ✎ ✗	2006-2007	2	5	2006-02-27 00:00:00
□ ✎ ✗	2006-2007	2	6	2006-03-06 00:00:00
□ ✎ ✗	2006-2007	2	7	2006-03-13 00:00:00
□ ✎ ✗	2006-2007	2	8	2006-03-20 00:00:00
□ ✎ ✗	2006-2007	2	9	2006-03-27 00:00:00
□ ✎ ✗	2006-2007	2	10	2006-04-03 00:00:00
□ ✎ ✗	2006-2007	2	11	2006-04-10 00:00:00
□ ✎ ✗	2006-2007	2	12	2006-04-17 00:00:00
□ ✎ ✗	2006-2007	3	1	2006-05-29 00:00:00
□ ✎ ✗	2006-2007	3	2	2006-06-05 00:00:00

<input type="checkbox"/>			2006-2007	3	3	2006-06-12 00:00:00
<input type="checkbox"/>			2006-2007	3	4	2006-06-19 00:00:00
<input type="checkbox"/>			2006-2007	3	5	2006-06-26 00:00:00
<input type="checkbox"/>			2006-2007	3	6	2006-07-03 00:00:00
<input type="checkbox"/>			2006-2007	3	7	2006-07-10 00:00:00
<input type="checkbox"/>			2006-2007	3	8	2006-07-17 00:00:00
<input type="checkbox"/>			2006-2007	3	9	2006-07-24 00:00:00
<input type="checkbox"/>			2006-2007	3	10	2006-07-31 00:00:00
<input type="checkbox"/>			2006-2007	3	11	2006-08-07 00:00:00
<input type="checkbox"/>			2006-2007	3	12	2006-08-14 00:00:00
<input type="checkbox"/>			2005-2006	1	13	2005-12-19 00:00:00
<input type="checkbox"/>			2005-2006	2	13	2006-04-24 00:00:00
<input type="checkbox"/>			2005-2006	3	13	2006-08-21 00:00:00
<input type="checkbox"/>			2005-2006	3	14	2006-08-28 00:00:00
<input type="checkbox"/>			2005-2006	3	15	2006-09-04 00:00:00

Check All / Uncheck All With selected:

Show : row(s) starting from record #

in mode and repeat headers after cells

Actual Output: The week dates are successfully inserted into the database.

Result: Test Passed

Student Interface Section

Log Attendance – (/student/log_attendance.php)

Text Input: Log into Computer C35-01 as Student “u0404695” at 1337 on Friday

Expected Output: Record Attendance for student



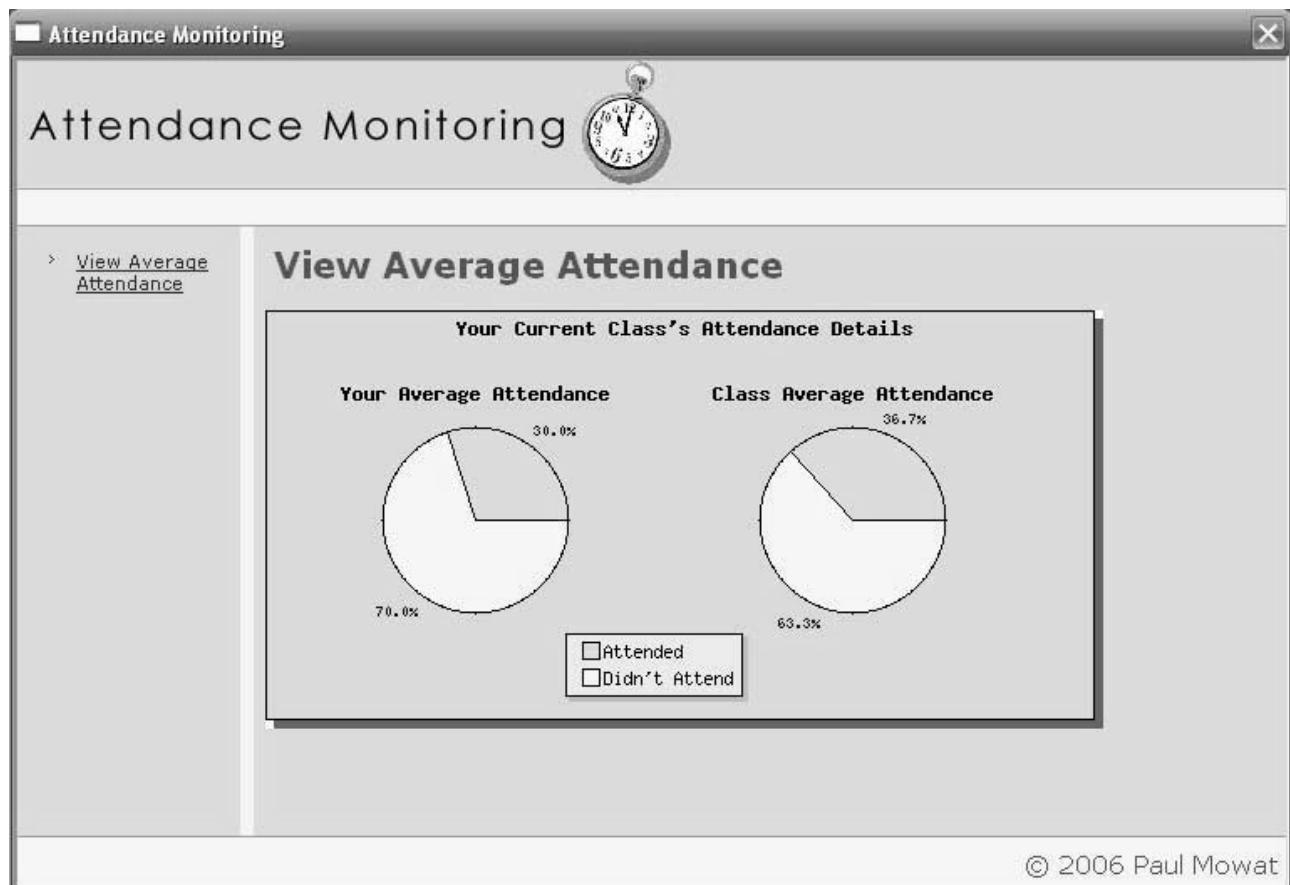
Actual Output: The attendance is recorded successfully for the specified student.

Result: Test Passed

View Average Attendance – (/student/view_average_attendance.php)

Text Input: Log into Computer C35-01 as Student “u0404695” at 1337 on Friday, Select View Average Attendance.

Expected Output: Two pie charts comparing the average attendance of the student against the average attendance of the class are shown.



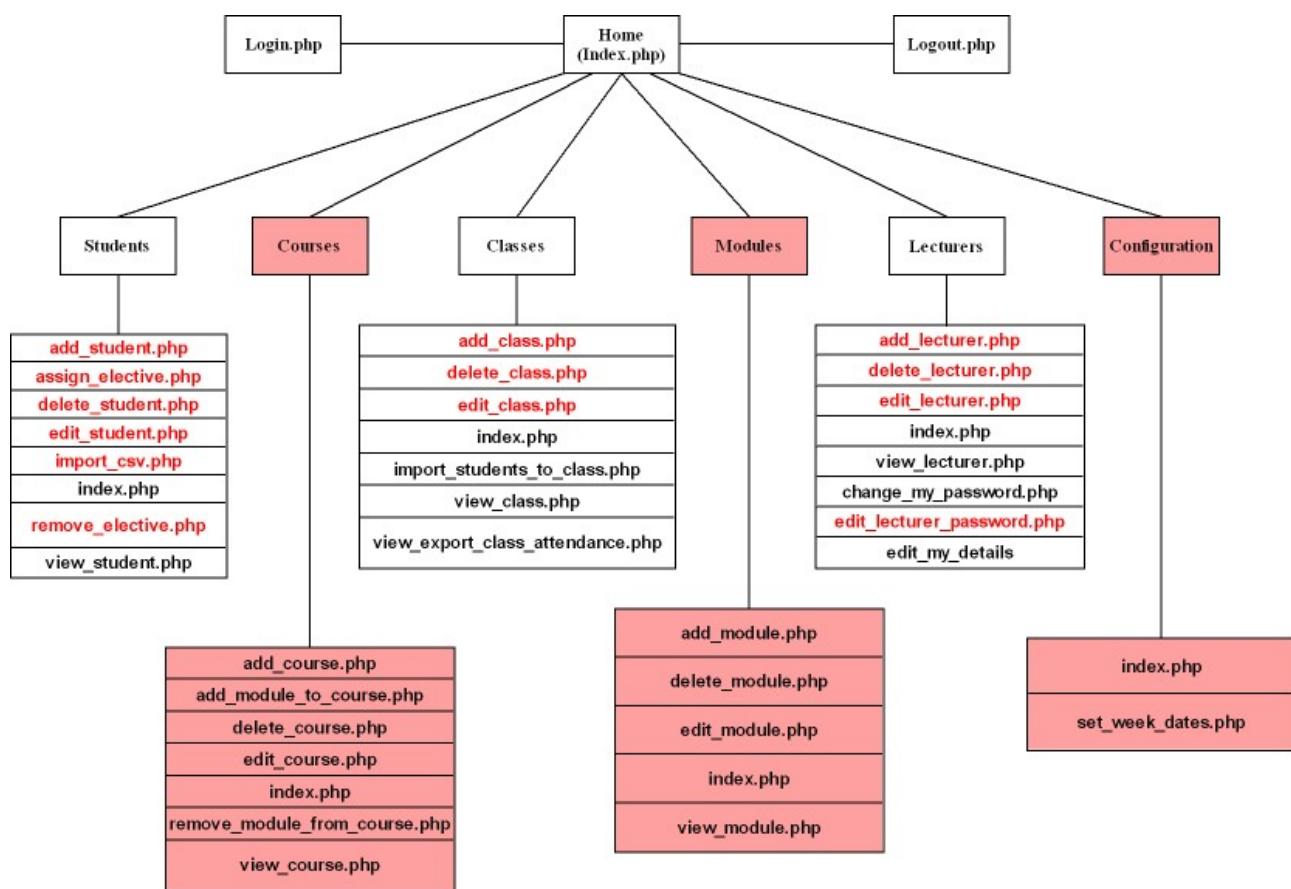
Actual Output: The pie charts are successfully displayed showing the average attendance percentages of the student and the class.

Result: Test Passed

G. Site Map

Administration Area Site Map

The areas in red cannot be accessed by a Lecturer, they can only be accessed by a Administrator.



H. Code Listing

I. Home (index.php)

```

<?php
//include config
require_once("includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerName, LecturerAdminGroup FROM lecturer WHERE
LecturerEmail = '$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error()));

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);
$lecturerName = stripslashes($result['LecturerName']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2) ) {
    header("Location: ./login.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Main</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="includes/css/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div id="container-full">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="index.php" title="Home">Home</a></li>
            <li><a href="sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="sections/courses/index.php" title="Courses">Courses</a></li>
                    <li><a href="sections/modules/index.php" title="Modules">Modules</a></li>

                <?php
                }
                ?>
                <li><a href="sections/classes/index.php" title="Classes">Classes</a></li>
                <li><a href="sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                    <?php
                        if($group >=3) {
                    ?>
                        <li><a href="sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                    <?php

```

```
        }
    ?>
    <li><a href="logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id="content-full">
    <h1>Attendance Monitoring</h1>
    <p>Welcome <?php echo $lecturerName; ?></p>
    <p>Please use the menu above to navigate through the different sections.</p>
    <p>If you are having any problems in using the system please contact <a href="mailto:paul@paulmowat.co.uk">Paul Mowat</a> for further information.</p>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

J. Login (login.php)

```

<?php
//include config
require_once("includes/config.php");

//only check username and password once form has been posted
if($_SERVER['REQUEST_METHOD'] == "POST") {

//retrieve username and password from form
$inpuddenEmail= addslashes($_POST['email']);
$inpuddenPassword = addslashes(shal($_POST['password']));

//query database for user
$query = mysql_query("SELECT LecturerEmail, LecturerPassword, LecturerAdminGroup
                      FROM lecturer WHERE LecturerEmail = '$inpuddenEmail'
                      AND LecturerPassword = '$inpuddenPassword'" ) or die("Cannot Query
The Database: " . mysql_error());

//store query result in array for usage
$result = mysql_fetch_array($query);

//strip slashes from result and assign to local variables
$email = stripslashes($result['LecturerEmail']);
$password = stripslashes($result['LecturerPassword']);
$group = stripslashes(strtoupper($result['LecturerAdminGroup']));

//validation to determine what happens with the user
//if the passwords match and the user is an administrator then store a cookie and send
them on their way
if((!empty($inpuddenPassword)) && ($inpuddenPassword == $password) && (($group >= 2)))
{
    setcookie("attendanceLogin[0]", $email, time() + 3600, '/', '', 0);
    setcookie("attendanceLogin[1]", $password, time() + 3600, '/', '', 0);
    header("Location: ./index.php");
}
//if the inpuddenPassword is not empty and it matches the password retrieved from the
database
elseif ((!empty($inpuddenEmail)) && (!empty($inpuddenPassword)) && ($inpuddenPassword
!= $password)) {
    //declare login unsuccessful
    $unsuccessful = false;
    $errmsg = "Error: The information you entered is not valid, Please re-enter and try
again!";
}
else {
    $unsuccessful = false;
    $errmsg = "Error: Please complete both fields!";
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Login</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="includes/css/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div id="container-full">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href="index.php" title="Home">Home</a></li>

```

```

<li><a href="sections/students/index.php"
title="Students">Students</a></li>
<?php
if($group >=3) {
?
<li><a href="sections/courses/index.php" title="Courses">Courses</a></li>
<li><a href="sections/modules/index.php" title="Modules">Modules</a></li>

<?php
}
?
<li><a href="sections/classes/index.php" title="Classes">Classes</a></li>
<li><a href="sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id="content-full">
<h1>Login</h1>

<?php
//if login is unsuccessful then tell user
if(isset($unsuccessful)) {
    echo "<p>". $errmsg . "</p>";
}
?>
<form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">
    <p><label for="email">Email Address</label>
        <input type="text" name="email" id="email" /></p>
    <p><label for="password">Password</label>
        <input type="password" name="password" id="password" /></p>
    <p><button type="submit" name="submit">Login</button></p>
</form>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

K. Logout (logout.php)

```

<?php
//include config
require_once("includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2) )
{
    header("Location: ./login.php");
    exit;
}
//if the post variable logout exists and is yes then delete cookie and redirect to login
page
elseif ((isset($_POST['logout'])) && ($_POST['logout'] == 'Yes')) {
    setcookie("attendancelogin[0]", "", time() - 3600, '/', '', 0);
    setcookie("attendancelogin[1]", "", time() - 3600, '/', '', 0);
    header("Location: ./index.php");
}
//if the post variable logout exists and is no then redirect to index
elseif ((isset($_POST['logout'])) && ($_POST['logout'] == 'No')) {
    header("Location: ./index.php");
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Logout</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="includes/css/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div id="container-full">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="index.php" title="Home">Home</a></li>
            <li><a href="sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="sections/courses/index.php" title="Courses">Courses</a></li>
                    <li><a href="sections/modules/index.php" title="Modules">Modules</a></li>
                <?php

```

```

        }
    ?>
<li><a href="sections/classes/index.php" title="Classes">Classes</a></li>
<li><a href="sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id="content-full">

<h1>Logout</h1>

<p>Do you wish to logout and end your session?</p>
<form action="<?php echo $_SERVER['admin/PHP_SELF']; ?>" method="post">
    <p><input class="small" id="yes" name="logout" value="Yes" type="submit" />
       <input class="small" id="no" name="logout" value="No" type="submit" /></p>
</form>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

L. Config (/includes/config.php)

```

<?php
$serverName = "localhost"; //server, usually localhost
$dbName = "attendance"; //database
$dbUsername = "*****"; //database username
$dbPassword = "*****"; //database password

$csv_file_directory = "/var/www/html/files/";

$url = "http://cl-01/";

//variables that can be changed to customize the system
$durationLength = 4;
$revisionLength = 4;
$amountOfSemesters = 4;
$yearLength = 4;

//list of all titles that c
$titleList = array("Mr", "Mrs", "Miss", "Dr", "Prof");

//list of administrator group values, this is important for the privilege system
//e.g. each entry increments by 1, and all entries above that one can view everything
they can
//see
//e.g. administrator can do everything a research student and administrator can
$adminGroupList = array("Research Student", "Lecturer", "Administrator");

//list of available sessions
$sessionList = array("2007-2008", "2008-2009", "2006-2007", "2005-2006");

//list of available rooms
$roomList = array("C13", "C34", "C64", "C45", "C67");

//list of available class types
$classTypeList = array("Lecture", "Tutorial", "Laboratory", "Seminar");

//list of days that classes can be assigned to
$dayList = array("Monday", "Tuesday", "Wednesday", "Thursday", "Friday");

//DO NOT EDIT BEYOND HERE
//sorts arrays into correct order
sort($sessionList);
sort($roomList);
sort($classTypeList);

//files that need to be included for the software to work
require_once("db_connect.php");
require_once("functions.php");

?>

```

M. DB Connect (/includes/db_connect.php)

```
<?php  
//connect to database  
mysql_connect($serverName, $dbUsername, $dbPassword) or die ('Database Connection Failed:  
' . mysql_error());  
  
//select database  
mysql_select_db($dbName) or die ('Cannot Select Database: ' . mysql_error());  
  
?>
```

N. Javascript Functions (/includes/functions.js)

```

//Multi-browser support for attachEventListener by Scott Andrew - http://scottandrew.com
function addEvent(obj, evType, fn) {
    if (obj.addEventListener) {
        obj.addEventListener(evType, fn, false);
        return true;
    } else if (obj.attachEvent) {
        var r = obj.attachEvent('on'+evType, fn);
        return r;
    } else {
        obj['on' + evType] = fn;
    }
}

function confirmSubmit() {

    var agree=confirm("Are you sure you wish to continue?");
    if (agree)
        return true ;
    else
        return false;
}

function addEvents() {
    //add event to all buttons
    buttonList = document.getElementsByTagName('button');
    for (i = 0; i < buttonList.length; i++) {
        var button = buttonList.item (i);
        //for all buttons that are assigned class="confirm" attach onclick event
        var className = button.className;
        if(className == "confirm") {
            button.onclick = confirmSubmit;
        }
    }
}

function loadFunctions() {
    addEvents();
}
window.onload = loadFunctions;

```

O. PHP Functions (`/includes/functions.php`)

```

<?php
//require incase config hasn't been included
require_once('db_connect.php');

//methods for displaying lists
function module_list($selected = null) {
    $sql = "SELECT ModuleID, ModuleName FROM module ORDER BY ModuleName ASC";
    $query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error()));

    echo "<select id=\"module_id\" name=\"module_id\">";
    while($result = mysql_fetch_array($query)) {
        echo "<option value=\"{$result['ModuleID']}\"";
        if($result['ModuleID'] == $selected) {
            echo " selected=\"selected\"";
        }
        echo ">{$result['ModuleID']} - {$result['ModuleName']}";
    }
    echo "</select>";
}

function course_list($selected = null) {
    $sql = "SELECT CourseID, CourseName FROM course ORDER BY CourseName ASC";
    $query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error()));

    echo "<select id=\"course_id\" name=\"course_id\">";
    while($result = mysql_fetch_array($query)) {
        echo "<option value=\"{$result['CourseID']}\"";
        if($result['CourseID'] == $selected) {
            echo " selected=\"selected\"";
        }
        echo ">{$result['CourseName']}";
    }
    echo "</select>";
}

function lecturer_list($lecturerList = "", $size = 1, $multiple = "false") {
    $sql = "SELECT LecturerID, LecturerName FROM lecturer ORDER BY LecturerName ASC";
    $query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error());

    echo "<select size=\"$size\"";
    //determine whether or not multiple items can be selected
    if($multiple == "true") {
        echo " id=\"lecturer_list\" name=\"lecturer_list[]\" multiple=\"multiple\"";
    }
    else {
        echo " id=\"lecturer_id\" name=\"lecturer_id\"";
    }
    echo ">";
    while($result = mysql_fetch_array($query)) {

        echo "<option value=\"{$result['LecturerID']}\"";
        //if a lecturerlist exists then select the lecturers for that list
        if(!empty($lecturerList)) {
            for($i = 0; $i < count($lecturerList); $i++) {
                if($result['LecturerID'] == $lecturerList[$i]) {
                    echo " selected=\"selected\"";
                }
            }
        }
        echo ">{$result['LecturerName']}";
    }
    echo "</select>";
}

function time_list($name, $startNumber, $endNumber, $selected = "") {
    echo "<select id=\"$name\" name=\"$name\" class=\"small\">";
    for($i = $startNumber; $i < $endNumber; $i++) {

```

```

        if($i < 10) $i = "0" . $i;
        echo "<option value=\"$i\"";
        if($i == $selected) {
            echo " selected=\"selected\"";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function class_list() {
    $sql = "SELECT c.ClassID, l.LecturerName, c.ClassModuleId,
    c.ClassType, c.ClassDay, CONCAT(c.ClassStartTime, ' - ', c.ClassEndTime) AS
ClassTime
FROM lecturer AS l, class AS c
WHERE l.LecturerID =
    (SELECT LecturerID
    FROM lecturer AS l, class_lecturer_list AS cll
    WHERE LecturerID = cll.ClassLecturerListLecturerID
    AND c.ClassID = cll.ClassLecturerListClassID
    LIMIT 1)";
$query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error());

    echo "<select id=\"class_id\" name=\"class_id\">";
    while($result = mysql_fetch_array($query)) {
        echo "<option
value=\"$result['ClassID']\">{$result['ClassModuleId']} - {$result['LecturerName']} -
{$result['ClassType']} -
{$result['ClassDay']} - {$result['ClassTime']}</option>";
    }
    echo "</select>";
}

function lecturer_class_list($lecturerID) {
    $sql = "SELECT c.ClassID, l.LecturerName, c.ClassModuleId,
    c.ClassType, c.ClassDay, CONCAT(c.ClassStartTime, ' - ', c.ClassEndTime) AS
ClassTime
FROM lecturer AS l, class AS c
WHERE l.LecturerID = (SELECT LecturerID FROM lecturer AS l, class_lecturer_list AS cll
WHERE LecturerID = cll.ClassLecturerListLecturerID AND c.ClassID =
cll.ClassLecturerListClassID AND cll.ClassLecturerListLecturerID = '{$lecturerID}'
LIMIT 1)";
$query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error());


    echo "<select id=\"class_id\" name=\"class_id\" readonly=\"readonly\">";
    if(mysql_num_rows($query) != 0) {
        while($result = mysql_fetch_array($query)) {
            echo "<option
value=\"$result['ClassID']\">{$result['ClassModuleId']} - {$result['LecturerName']} -
{$result['ClassType']} -
{$result['ClassDay']} - {$result['ClassTime']}</option>";
        }
    } else {
        echo "<option value=\"unassigned\">You are not assigned to any
classes.</option>";
    }
    echo "</select>";
}

function course_duration_list($selected = null) {
    global $durationLength;

    echo "<select name=\"duration\" id=\"duration\">";
    for($i = 1; $i <= $durationLength; $i++) {
        echo "<option value=\"$i\" ";

```

```

        if($i == $selected) {
            echo "selected=\\"selected\\\"";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function module_revision_list($selected = "") {
    global $revisionLength;

    echo "<select name=\"revision\" id=\"revision\">";
    for($i = 1; $i <= $revisionLength; $i++) {
        echo "<option value=\"{$i}\" ";
        if($i == $selected) {
            echo "selected=\\"selected\\\"";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function lecturer_title_list($selected = null) {
    global $titleList;

    echo "<select name=\"title\" id=\"title\">";
    foreach ($titleList as $title) {
        echo "<option value=\"{$title}\" ";
        if($title == $selected) {
            echo "selected=\\"selected\\\"";
        }
        echo ">{$title}</option>";
    }
    echo "</select>";
}

function lecturer_admingroup_list($selected = null) {
    global $adminGroupList;

    echo "<select name=\"admingroup\" id=\"admingroup\">";
    $i = 1;
    foreach ($adminGroupList as $group) {
        echo $group;
        echo "<option value=\"{$i}\" ";
        if($i == $selected) {
            echo "selected=\\"selected\\\"";
        }
        echo ">{$group}</option>";
        $i++;
    }
    echo "</select>";
}

function session_list($selected = null) {
    global $sessionList;

    echo "<select name=\"session\" id=\"session\">";
    foreach ($sessionList as $session) {
        echo "<option value=\"{$session}\" ";
        if($session == $selected) {
            echo "selected=\\"selected\\\"";
        }
        echo ">{$session}</option>";
    }
    echo "</select>";
}

function semester_list($selected = null) {
    global $amountOfSemesters;
}

```

```

echo "<select name=\"semester\" id=\"semester\">";
for ($i = 1; $i <= $amountOfSemesters; $i++) {
    echo "<option value=\"{$i}\" ";
    if($i == $selected) {
        echo "selected=\"selected\" ";
    }
    echo ">{$i}</option>";
}
echo "</select>";
}

function room_list($selected = null) {
    global $roomList;

    echo "<select name=\"room\" id=\"room\">";
    foreach ($roomList as $room) {
        echo "<option value=\"{$room}\" ";
        if($room == $selected) {
            echo "selected=\"selected\" ";
        }
        echo ">{$room}</option>";
    }
    echo "</select>";
}

function class_type_list($selected = null) {
    global $classTypeList;

    echo "<select name=\"type\" id=\"type\">";
    foreach ($classTypeList as $classType) {
        echo "<option value=\"{$classType}\" ";
        if($classType == $selected) {
            echo "selected=\"selected\" ";
        }
        echo ">{$classType}</option>";
    }
    echo "</select>";
}

function day_list($selected = null) {
    global $dayList;

    echo "<select name=\"day\" id=\"day\">";
    foreach ($dayList as $day) {
        echo "<option value=\"{$day}\" ";
        if($day == $selected) {
            echo "selected=\"selected\" ";
        }
        echo ">{$day}</option>";
    }
    echo "</select>";
}

function course_year_list($selected = null) {
    global $yearLength;

    echo "<select name=\"course_year\" id=\"course_year\">";
    for($i = 1; $i <= $yearLength; $i++) {
        echo "<option value=\"{$i}\" ";
        if($i == $selected) {
            echo "selected=\"selected\" ";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function add_elective_list($MatricNumber) {
    //selects all the electives that the student hasn't assigned
    $sql = "SELECT ModuleID, ModuleName

```

```

        FROM module
        WHERE ModuleID NOT IN
            (SELECT ElectiveModuleID
            FROM elective
            WHERE ElectiveMatricNumber = '{$MatricNumber}' )";

$query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error()));

echo "<select id=\"module_id\" name=\"module_id\">";
if(mysql_num_rows($query) != 0) {
while($result = mysql_fetch_array($query)) {

    echo "<option value=\"{$result['ModuleID']}\"";
    if($result['ModuleID'] == $selected) {
        echo " selected=\"selected\"";
    }
    echo ">{$result['ModuleID']} - {$result['ModuleName']}</option>";
}
} else {
    echo "<option value=\"none\">No Available Electives</option>";
}
echo "</select>";
}

function remove_elective_list($MatricNumber) {
    //selects all the electives that the students have assigned
    $sql = "SELECT ModuleID, ModuleName
            FROM module
            WHERE ModuleID IN
                (SELECT ElectiveModuleID
                FROM elective
                WHERE ElectiveMatricNumber = '{$MatricNumber}' )";

$query = mysql_query($sql)
        or die("Cannot Query Database: " . mysql_error());

echo "<select id=\"module_id\" name=\"module_id\">";
if(mysql_num_rows($query) != 0) {
while($result = mysql_fetch_array($query)) {

    echo "<option value=\"{$result['ModuleID']}\"";
    if($result['ModuleID'] == $selected) {
        echo " selected=\"selected\"";
    }
    echo ">{$result['ModuleID']} -
{$result['ModuleName']}</option>";
}
} else {
    echo "<option value=\"none\">No Available Electives</option>";
}
echo "</select>";
}

function dayList($name) {
echo "<select id=\"{$name}\" name=\"{$name}\" size=\"1\" class=\"date\">";
for ($i = 1; $i <= 31; $i++) {
    echo "<option value=\"". ((($i < 10)? "0" . $i : $i) . "\">>{$i}</option>";
}
echo "</select>";
}

function monthList($name) {
$months =
array("", "January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December");

echo "<select id=\"{$name}\" name=\"{$name}\" size=\"1\" class=\"date\">";
for ($i = 1; $i <= 12; $i++) {
    echo "<option value=\"". ((($i < 10)? "0" . $i : $i) . "\">>{$months[$i]}</option>";
}

```

```

        }
    echo "</select>";
}

function yearList($name) {
$currentYear = date("Y");
echo "<select id=\"$name\" name=\"$name\" size=\"1\" class=\"date\">";
for ($i = $currentYear-1; $i <= ($currentYear+3); $i++) {
echo "<option value=\"$i\">{$i}</option>";
}
echo "</select>";
}

function getCurrentWeekNumber() {

    //get current timestamp
    $currentdate = date("Y-m-d H:i:s");
    //query database
    $sql = "SELECT Semester, WeekNumber, Date
            FROM weekdate
            ORDER BY Semester ASC, WeekNumber ASC";

    $query = mysql_query($sql) or die("Error: " . mysql_error());
    //loop through query result
    while($result = mysql_fetch_array($query)) {
        //determine what the week number is
        if (($currentdate >= $prevResult['Date']) && ($currentdate <
$result['Date'])) {
            return $prevResult['WeekNumber'];
        } else if (($result['Semester'] == "3") && ($result['WeekNumber'] == 15)) {
            return $result['WeekNumber'];
        }

        $prevResult = $result;
    }
}

function graduationYear($selected = null) {
    $currentYear = date("Y");
    echo "<select name=\"graduation_year\" id=\"graduation_year\" size=\"1\" "
class="date\">";
    for ($i = $currentYear-1; $i <= ($currentYear+6); $i++) {
        echo "<option value=\"$i\" ";
        if($i == $selected) {
            echo "selected=\"selected\"";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function yearOfStudy($selected = null) {

    echo "<select name=\"current_year\" id=\"current_year\" size=\"1\" "
class="date\">";
    for ($i = 1; $i <= 7; $i++) {
        echo "<option value=\"$i\" ";
        if($i == $selected) {
            echo "selected=\"selected\"";
        }
        echo ">{$i}</option>";
    }
    echo "</select>";
}

function adminGroupName($selected = null) {
    global $adminGroupList;

```

```
$i = 1;
foreach ($adminGroupList as $group) {
    if($i == $selected) {
        return $group;
    }
    $i++;
}
?>
```

P. CSS (/includes/css/style.css)

```

/* Structure */

html,body {
    margin: 0;
    padding: 0;
    font: 1em "Lucida Grande", Verdana, Arial, Helvetica, sans-serif;
    height: 96%;
}
body {
    text-align: center;
    color: #505367;
    background-color: #e0e0e0;
}
#container, #container-full {
    color: #505367;
    margin: 10px auto 0 auto;
    width: 770px;
    min-height:96%;
    text-align: left;
    background: #CEE0E1 url(..../img/sub-bg.gif) repeat-y left top;
    border-left: 1px solid #alalal;
    border-right: 1px solid #alalal;
}
#container-full {
    background: #CEE0E1;
}
#header {
    height: 75px;
    width:100%;
    margin: 0px;
    border-top: 1px solid #alalal;
    border-bottom: 1px solid #e6e6e6;
    background: #D1DCE9 url(..../img/logo.gif) no-repeat;
    color: #505367;
}
#mainnav {
    width:100%;
    height: 20px;
    background-color: #f5f5f5;
    border-top: 1px solid #alalal;
    border-bottom: 1px solid #alalal;
    font-size: 0.7em;
    color: #505367;
}
#sidenav {
    float: left;
    width: 125px;
    padding:10px 5px 0px 5px;
    font-size: 0.7em;
}
#content {
    margin-left: 145px;
    width: 615px;
    padding:10px 0;
}
#content-full {
    width: 100%;
    padding:10px 0;
}
#footer {
    margin: 0 auto 0 auto;
    position:relative;
    bottom:0;
    width: 770px;
}

```

```

        height: 24px;
        background-color: #f5f5f5;
        border: 1px solid #alalal;
        color: #505367;
    }
#footer p {margin:0;padding:0}

/* Structure End */

/* Nav Structure */

#mainnav ul {
    margin: 0;
    list-style: none;
    padding: 4px 0 0 5px;
    /*border: 1px solid #000;*/
}
#mainnav li{
    position: relative;
    display: inline;
}
#mainnav a:link, #mainnav a:visited {
    text-decoration: none;
    padding: 4px;
    margin: 0 10px 0 10px;
    border-left: 1px solid #alalal;
    border-right: 1px solid #alalal;
}
#mainnav a:hover {
    background-color: #96b1d0;
    color: #002b5f;
    padding: 4px;
}

/* Format Start */

#header h1 {
    display: none;
}
#footer p {
    text-align:right;
    padding: 3px 10px;
}
p, h1, h2, h3 {
    margin:5px 5px 15px 5px;
}
h1 {
    font-size: 1.3em;
}
h2 {
    font-size: 1.1em;
}
h3 {
    font-size: 1em;
}
p {
    font-size: 0.95em;
}

```

```

/* Forms */
p label {
    float: left;
    width: 20%;
    margin: 5px 0 5px 0;
}

p input {
    width: 344px;
    margin: 5px 0 5px 0;
}

p input.csv {
    width: 200px;
}

p input.small {
    width: 100px;
}

p select{
    width: 348px;
    margin: 5px 0 5px 0;
}

p select.small {
    width: 171px;
}

p select.date {
    width: 123px;
}

p button {
    margin-top: 10px;
    margin-right: 10px;
}

fieldset {
    width: 458px;
}

fieldset label {
    float: left;
    margin: 3px 0 0 10px;
    width: 20px;
}

input.radio {
    width: 30px;
}

# sidenav ul li {
    list-style-image: url(..../img/small_arrow.gif);
    margin-left: -10px;
    padding-top: 4px;
}

table{
    border: 1px solid #alalal;
    margin-bottom: 10px;
}
table th {
    background-color: #f5f5f5;
    border: 1px solid #alalal;
    padding: 4px;
    margin:0px;
    color: #002b5f;
}

```

```

table tr {
    background-color: #D1DCE9;
    color: #002b5f;
}

table td {
    padding: 5px;
}

table th, table td{
    width: 200px;
}

table tr.hilite {
    background-color: #e0e0e5;
    color: #002b5f;
}

table tr.hilite td {
    padding: 4px;
    border: 1px solid #a1a1a1;
}

/*HACKS*/

/* commented backslash hack v2 */
html, body{height:96%;}

* html #container, * html #container-full {height:96%;width:772px;w\idth:770px;}
/* html body{font-size:xx-small;font-size:x-small} */

* html #header {height:77px;he\ight:77px}

* html #mainnav{height:22px;he\ight:20px}

* html #footer {width:772px;w\idth:770px;}

* html p input {width: 337px;w\idth:335px; }

* html p select {width:343px;w\idth:341px; }

* html select.small {width:170px;w\idth:168px; }

* html select.date{width:122px;w\idth:120px; }

* html fieldset {width:468px;w\idth:470px; }

/* end hack */

```

Q. Home – Student Section (/sections/students/index.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Students</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
    <li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

    <?php
    if($group >=3) {
    ?
    <li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
    <li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
    <li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
    <li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
    <?php
    }
    ?
    </ul>
    <?php
    if($group >=3) {
    ?
    <ul>
        <li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
        <li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
    </ul>
    <?php
    }
    ?
    </div>

<div id="content">

<h1>Students</h1>

<h3>View Student</h3>
<p>Select this option if you wish to view the details of a individual Student.</p>
<h3>Add Student</h3>
<p>Select this option if you wish to add a new Student to the system.</p>
<h3>Edit Student</h3>
<p>Select this option if you wish to edit a Student currently available on the
system.</p>
<h3>Delete Student</h3>
<p>Select this option if you wish to delete one or more Students.</p>
<h3>Import Student CSV File</h3>
<p>Select this option if you wish to import a <acronym title="Comma Seperated
Value">CSV</acronym> containing multiple Students into the system.</p>
<h3>Assign Elective To Student</h3>
<p>Select this option if you wish to assign a elective to a Student.</p>
<h3>Remove Elective From Student</h3>
<p>Select this option if you wish to remove a elective from a Student.</p>
</div>
</div>

```

```
<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

R. Add Student – Student Section (/sections/students/add_student.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Student</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
    <li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

        <?php
        if($group >=3) {
        ?
        <li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
        <li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
        <li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
        <li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
        <?php
        }
        ?
    </ul>
    <?php
    if($group >=3) {
    ?
    <ul>
        <li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
        <li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
    </ul>
    <?php
    }
    ?
  </div>

<div id="content">

    <h1>Add Student</h1>

    <?php
    if ((isset($_POST['submit'])) && ((empty($_POST['matric_number'])) ||
(empty($_POST['name'])) || (empty($_POST['email'])) || (empty($_POST['current_year'])) ||
(empty($_POST['graduation_year']))) ) {
        echo "<p>Error: Please made sure all fields are completed.</p>";
    } elseif(isset($_POST['submit'])) {
        $matricNumber = addslashes($_POST['matric_number']);
        $name = addslashes($_POST['name']);
        $email = addslashes($_POST['email']);
        $courseID = addslashes($_POST['course_id']);
        $currentYear = addslashes($_POST['current_year']);
        $graduationYear = addslashes($_POST['graduation_year']);
        $directEntry = addslashes($_POST['direct_entry']);

        //insert new student
        $sql = "INSERT INTO student
VALUES('$matricNumber','$name','$email','$courseID','$currentYear',
'$graduationYear','$directEntry')";
    }
</div>

```

```

mysql_query($sql) or die("Cannot Query Database: " . mysql_error()));

//find out modules for the students current year
$sql = "SELECT CourseModuleListModuleID FROM course_module_list
        WHERE CourseModuleListCourseID = '{$courseID}' AND
CourseModuleListYear = '{$currentYear}'";

$query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());

//add those modules to students current module entry
$currentModulesList = array();
while($result = mysql_fetch_array($query)) {
    array_push($currentModulesList, $result['CourseModuleListModuleID']);
}

$modulesList = implode(", ", $currentModulesList);

$sql = "INSERT INTO current_modules VALUES(null, '{$matricNumber}', '$modulesList')";
mysql_query($sql) or die("Cannot Query Database: " . mysql_error());

echo "<p>Student Successfully Added</p>";
} else {
?>
<p>Please use the fields below to add a student. All fields are required.</p>
<form action=<?php echo $_SERVER['.../sections/students/PHP_SELF']; ?>" method="post">
    <p><label for="matric_number">Matriculation Number: </label>
        <input type="text" id="matric_number" name="matric_number" maxlength="20"/>
    </p>
    <p><label for="name">Name: </label>
        <input type="text" id="name" name="name" maxlength="60" />
    </p>
    <p><label for="email">Email: </label>
        <input type="text" id="email" name="email" maxlength="50" />
    </p>
    <p><label for="course_id">Course: </label>
        <?php course_list(); ?>
    </p>
    <p><label for="current_year">Year of Study: </label>
        <?php yearOfStudy(); ?>
    </p>
    <p><label for="graduation_year">Year of Graduation: </label>
        <?php graduationYear(); ?>
    </p>
    <p>
        <label>Direct Entry Student: </label>
        Yes: <input class="radio" type="radio" id="yes" name="direct_entry" value="Y" />
        No: <input class="radio" type="radio" id="no" name="direct_entry" value="N" checked="checked"/>
    </p>
    <p><button type="submit" class="confirm" name="submit">Add Student</button>
        <button type="reset" name="Reset">Reset</button>
    </p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

S. Edit Student – Student Section (/sections/students/edit_student.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Attendance Monitoring - Edit Student</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">
    <div id="header">
        <h1>Header Content</h1>
    </div>
    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>

                    <?php
                }
                ?>
                    <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
                    <li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                    <?php
                        if($group >=3) {
                    ?>

```

```

<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id="sidenav">
<ul>
    <li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

        <?php
        if($group >=3) {
        ?>
        <li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
        <li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
        <li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
        <li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
            <?php
            }
            ?>
        </ul>
        <?php
        if($group >=3) {
        ?>
        <ul>
            <li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
            <li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
        </ul>
        <?php
        }
        ?>
    </div>

<div id="content">
    <h1>Edit Student</h1>
    <?php
        if ((isset($_POST['submit'])) && ((empty($_POST['matric_number'])) ||
(empty($_POST['name'])) || (empty($_POST['email'])) || (empty($_POST['current_year'])) ||
(empty($_POST['graduation_year']))) {
            echo "<p>Error: Please made sure all fields are completed.</p>";
        } elseif(isset($_POST['submit'])) {
            $studentOldMatricNumber = $_POST['old_matric_number'];
            $studentMatricNumber = $_POST['matric_number'];
            $name = addslashes($_POST['name']);
            $email = addslashes($_POST['email']);
            $courseID = addslashes($_POST['course_id']);
            $currentYear = addslashes($_POST['current_year']);
            $graduationYear = addslashes($_POST['graduation_year']);
            $directEntry = addslashes($_POST['direct_entry']);

            //update student
            $sql = "UPDATE student SET StudentsMatricNumber = '$studentMatricNumber',
StudentsName = '$name', StudentsEmail ='$email',
StudentsCourseID = '$courseID', StudentsCurrentYear =
'$currentYear', StudentsGraduationYear = '$graduationYear',
StudentsDirectEntry = '$directEntry' WHERE
StudentsMatricNumber = '$studentOldMatricNumber'";
            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        }
    </div>

```

```

$sql = "SELECT CourseModuleListModuleID FROM course_module_list
        WHERE CourseModuleListCourseID = '{$courseID}' AND
CourseModuleListYear = '{$currentYear}'";

$query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());

//add those modules to students current module entry
$currentModulesList = array();
while($result = mysql_fetch_array($query)) {
    array_push($currentModulesList, $result['CourseModuleListModuleID']);
}

$modulesList = implode(", ", $currentModulesList);

$sql = "UPDATE current_modules
        SET CurrentModulesList = '{$modulesList}',
        StudentsMatricNumber = '{$studentMatricNumber}'
        WHERE StudentsMatricNumber = '{$studentOldMatricNumber}'";
mysql_query($sql) or die("Cannot Query Database: " . mysql_error());

echo "<p>Student Successfully Edited</p>";
} elseif (isset($_POST['submit_edit'])) {
    $studentMatric = addslashes($_POST['edit_student']);
    $sql = "SELECT * FROM student WHERE StudentsMatricNumber =
'$studentMatric'";
    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());
    $result = mysql_fetch_array($query);

    ?>
<p>Please edit the students details below. All fields are required.</p>
<form action=<?php echo $_SERVER['.../sections/students/PHP_SELF']; ?>" method="post">
    <p>
        <label for="matric_number">Matriculation Number: </label>
        <input type="hidden" id="old_matric_number" name="old_matric_number"
maxlength="20" value=<?php echo stripslashes($result['StudentsMatricNumber']); ?>" />
        <input type="text" id="matric_number" name="matric_number" maxlength="20"
value=<?php echo stripslashes($result['StudentsMatricNumber']); ?>" />
    </p>
    <p>
        <label for="name">Name: </label>
        <input type="text" id="name" name="name" maxlength="60" value=<?php echo
stripslashes($result['StudentsName']); ?>" />
    </p>
    <p>
        <label for="email">Email: </label>
        <input type="text" id="email" name="email" maxlength="50" value=<?php echo
stripslashes($result['StudentsEmail']); ?>" />
    </p>
    <p>
        <label for="course_id">Course: </label>
        <?php course_list($result['StudentsCourseID']); ?>
    </p>
    <p><label for="current_year">Year of Study: </label>
        <?php yearOfStudy($result['StudentsCurrentYear']); ?>
    </p>
    <p><label for="graduation_year">Year of Graduation: </label>
        <?php graduationYear($result['StudentsGraduationYear']); ?>
    </p>
    <p>
        <label>Direct Entry Student: </label>
        Yes:
        <input class="radio" type="radio" id="yes" name="direct_entry" value="Y" <?php
if($result['StudentsDirectEntry'] == "Y"){ echo "checked=\"checked\""; } ?> />
        No:
        <input class="radio" type="radio" id="no" name="direct_entry" value="N" <?php
if($result['StudentsDirectEntry'] == "N"){ echo "checked=\"checked\""; } ?> />
    </p>

```

```

<p>
    <button type="submit" class="confirm" name="submit">Edit Student</button>
    <button type="reset" name="reset">Reset</button>
</p>
</form>
<?php
    } elseif (isset($_POST['submit_find'])) {
        $studentFind = $_POST['student_find'];

        //doesn't work 100% of the time as mysql fulltext doesnt return if result
        is 50% or more of the db
        //sql = "SELECT * FROM student
        //WHERE MATCH(StudentsMatriNumber, StudentsName) AGAINST('$studentFind' IN
        BOOLEAN MODE)";

        //searches to check if the student matri number or their name is the same
        as whats been entered
        //not the most efficient way of doing this!, full text is more efficient
        $sql = "SELECT s.StudentsMatriNumber, s.StudentsName, c.CourseName FROM
        student AS s, course AS c
                WHERE (StudentsMatriNumber LIKE '%$studentFind%' AND
        s.StudentsCourseID = c.CourseID)
                        OR (StudentsName LIKE '%$studentFind%' AND s.StudentsCourseID
        = c.CourseID)
                                ORDER BY s.StudentsMatriNumber ASC";

        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());

        //if no results are found then tell the user, otherwise display results in
        a table
        if(mysql_num_rows($query) == 0) {
            echo "<p>Your Search returned no results!</p>";
        } else {
            echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\">";
            echo "<table>";
            echo "<th>Matri
Number</th><th>Name</th><th>Course</th><th>Edit</th>";
            $firstItem = true;
            while($result = mysql_fetch_array($query)) {
                echo
"<tr><td>{$result['StudentsMatriNumber']}</td><td>{$result['StudentsName']}</td><td>{$re
sult['CourseName']}</td>
                <td><input type=\"radio\""";

                //if first student then check radiobutton
                by default
                if($firstItem == true) {
                    echo " checked=\"checked\" ";
                    $firstItem = false;
                }

                echo " id=\"edit_student\" name=\"edit_student\""
value="{$result['StudentsMatriNumber']}"/></td></tr>";
            }
            echo "</table>";
            echo "<button type=\"submit\" name=\"submit_edit\">Edit Selected
Student</button>";
            echo "</form>";
        ?>
<script type="text/javascript">
    var theTrList = document.getElementsByTagName('tr');
    for (var i = 1; i < theTrList.length; i++) {
        var theTr = theTrList.item (i);
        theTr.onmouseover = function() {
            this.className += 'hilite';
        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite',
        '');
    };

```

```

        }
    }
</script>
<?php
}
?>
<?php
} else {
?>
<p>Please enter the matriculation number or the name of the student you wish to
delete.</p>
<form action=<?php echo $_SERVER['../../sections/students/PHP_SELF'];?>" method="post">
<p>
    <label for="student_find">Matriculation Number/Name: </label>
    <input type="text" id="student_find" name="student_find" maxlength="50"/>
</p>
<p>
    <button type="submit" name="submit_find">Find Student</button>
</p>
</form>
<?php
} //end if..else
?>
</div>
</div>
<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

T. Delete Student – Student Section ([/sections/students/delete_student.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Delete Student</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

<?php
if($group >=3) {
?>
<li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
<li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
<li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
<li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
<?php
}
?>
</ul>
<?php
if($group >=3) {
?>
<ul>
<li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
<li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
</ul>
<?php
}
?>
</div>

<div id="content">

<h1>Delete Student</h1>

<?php
if ((isset($_POST['submit'])) && (empty($_POST['delete_student']))) {
    echo "<p>Error: No Students Were Selected.</p>";
} elseif(isset($_POST['submit'])) {
    $studentMatricNumberList = $_POST['delete_student'];

    //loops through the students selected for deletion and deletes them
    foreach ($studentMatricNumberList as $studentMatricNumber){
        $sql = "DELETE FROM student WHERE StudentsMatricNumber =
'$studentMatricNumber';
                mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
    }
    echo "<p>Students Successfully Deleted</p>";
} elseif (isset($_POST['submit_find'])) {
    $studentFind = $_POST['student_find'];
    //searches to check if the student matric number or their name is the same
    as whats been entered
    //not the most efficient way of doing this!, full text is more efficient
}

```

```

$sql = "SELECT s.StudentsMatricNumber, s.StudentsName, c.CourseName FROM student AS s,
course AS c
WHERE (StudentsMatricNumber LIKE '%$studentFind%' AND
s.StudentsCourseID = c.CourseID)
OR (StudentsName LIKE '%$studentFind%' AND s.StudentsCourseID
= c.CourseID)
ORDER BY s.StudentsMatricNumber ASC";

$query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());

//if no results are found then tell the user, otherwise display results in
a table
if(mysql_num_rows($query) == 0) {
    echo "<p>Your Search returned no results!</p>";
} else {
    echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\">";
    echo "<table>";
    echo "<th>Matric
Number</th><th>Name</th><th>Course</th><th>Delete</th>";
    while($result = mysql_fetch_array($query)) {
        echo "<tr><td>{$result['StudentsMatricNumber']}<input type=\"checkbox\" id=\"delete_student\" name=\"delete_student[]\" value=\"{$result['StudentsMatricNumber']}\" /></td></tr>";
    }
    echo "</table>";
    echo "<button type=\"submit\" class=\"confirm\" name=\"submit\">Delete Selected Students</button>";
    echo "</form>";
}
?>
<!-- Javascript to highlight table row on mouse over, has to be
placed below table so it finds "valid" tr tags // --&gt;
&lt;script type="text/javascript"&gt;
var theTrList = document.getElementsByTagName('tr');
for (var i = 1; i &lt; theTrList.length; i++) {
    var theTr = theTrList.item (i);
    theTr.onmouseover = function() {
        this.className += 'hilite';
    }
    theTr.onmouseout = function() {
        this.className = this.className.replace('hilite',
'');
    }
}
&lt;/script&gt;
&lt;?php
}
?&gt;
&lt;?php
} else {
?&gt;
&lt;p&gt;Please enter the matriculation number or the name of the student you
wish to delete.&lt;/p&gt;
&lt;form action="&lt;?php echo $_SERVER['../../sections/students/PHP_SELF'];?&gt;"&gt;
method="post"&gt;
    &lt;p&gt;&lt;label for="student_find"&gt;Matriculation Number/Name: &lt;/label&gt;
        &lt;input type="text" id="student_find" name="student_find"
maxlength="50"/&gt;
    &lt;/p&gt;
    &lt;p&gt;
        &lt;button type="submit" name="submit_find"&gt;Find Student&lt;/button&gt;
    &lt;/p&gt;
&lt;/form&gt;
&lt;?php
} //end if..else
?&gt;
</pre>

```

```
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

U. View Student – Student Section ([/sections/students/view_student.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - View Student</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
    <li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

    <?php
    if($group >=3) {
    ?>
        <li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
        <li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
        <li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
        <li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
        <?php
        }
    ?>
    </ul>
    <?php
    if($group >=3) {
    ?>
    <ul>
        <li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
        <li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
    </ul>
    <?php
    }
    ?>
</div>

<div id="content">

<h1>View Student</h1>

<?php
    if (isset($_POST['submit_view'])) {
        $studentMatric = addslashes($_POST['view_student']);
        $sql = "SELECT s.StudentsMatricNumber, s.StudentsName, s.StudentsEmail,
c.CourseName, s.StudentsCurrentYear,
                    s.StudentsGraduationYear, s.StudentsDirectEntry
            FROM student AS s, course AS c WHERE StudentsMatricNumber =
'$studentMatric';
        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());
        $result = mysql_fetch_array($query);

    ?>

        <form action="<?php echo $_SERVER['../../sections/students/PHP_SELF']; ?>">
method="post">
            <p><label>Matriculation Number: </label>

```

```

        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['StudentsMatricNumber']); ?>" />
    </p>
    <p><label>Name: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['StudentsName']); ?>" />
    </p>
    <p><label>Email: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['StudentsEmail']); ?>" />
    </p>
    <!-- this will be dynamically generated and the current course selected! --
>
    <p><label>Course: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['CourseName']); ?>" />
    </p>
    <p><label>Year of Study: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['StudentsCurrentYear']); ?>" />
    </p>
    <p><label>Year of Graduation: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['StudentsGraduationYear']); ?>" />
    </p>
    <p>
        <label>Direct Entry Student: </label>
        <input type="text" readonly="readonly" value="<?php
if($result['StudentsDirectEntry'] == "Y"){ echo "Yes"; }else{ echo "No"; } ?>" />
    </p>
</form>
<?php
} elseif (isset($_POST['submit_find'])) {
    $studentFind = $_POST['student_find'];

        //doesn't work 100% of the time as mysql fulltext doesn't return if result
is 50% or more of the db
        //$sql = "SELECT * FROM student
        //WHERE MATCH(StudentsMatricNumber,StudentsName) AGAINST('$studentFind' IN
BOOLEAN MODE)";

        //searches to check if the student matric number or their name is the same
as whats been entered
        //not the most efficient way of doing this!, full text is more efficient
        $sql = "SELECT s.StudentsMatricNumber, s.StudentsName, c.CourseName FROM
student AS s, course AS c
                WHERE (StudentsMatricNumber LIKE '%$studentFind%' AND
s.StudentsCourseID = c.CourseID)
                    OR (StudentsName LIKE '%$studentFind%' AND s.StudentsCourseID
= c.CourseID)
                        ORDER BY s.StudentsMatricNumber ASC";

        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
}

        //if no results are found then tell the user, otherwise display results in
a table
        if(mysql_num_rows($query) == 0) {
            echo "<p>Your Search returned no results!</p>";
        } else {
            echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\">";
            echo "<table>";
            echo "<th>Matric
Number</th><th>Name</th><th>Course</th><th>View</th>";
            $firstItem = true;
            while($result = mysql_fetch_array($query)) {
                echo
"<tr><td>{$result['StudentsMatricNumber']}</td><td>{$result['StudentsName']}</td><td>{$re
sult['CourseName']}</td>
                <td><input type=\"radio\"> ";

```

```

        //if first student then check radiobutton by default
        if($firstItem == true) {
            echo " checked=\"checked\" ";
            $firstItem = false;
        }

        echo "id=\"view_student\" name=\"view_student\""
value=\"$result['StudentsMatricNumber']\" /></td></tr>";
    }
    echo "</table>";
    echo "<button type=\"submit\" name=\"submit_view\">View Selected
Student</button>";
    echo "</form>";
?>
<!-- Javascript to highlight table row on mouse over, has to be
placed below table so it finds "valid" tr tags // -->
<script type="text/javascript">
    var theTrList = document.getElementsByTagName('tr');
    for (var i = 1; i < theTrList.length; i++) {
        var theTr = theTrList.item (i);
        theTr.onmouseover = function() {
            this.className += 'hilite';
        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite',
'');
        }
    }
</script>
<?php
}
?>

<?php
} else {
?>
<p>Please enter the matriculation number or the name of the student you
wish to delete. Please note that all students will
be displayed if no data is entered.</p>
<form action="<?php echo $_SERVER['../../sections/students/PHP_SELF'];?>">
method="post">
    <p><label for="student_find">Matriculation Number/Name: </label>
        <input type="text" id="student_find" name="student_find"
maxlength="50"/>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Student</button>
    </p>
</form>
    <?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

V. Import CSV – Student Section (/sections/students/import_csv.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Import CSV</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
            ?>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <?php
                }
            ?>
                <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
            <?php
        }
    ?>
</ul>
</div>

```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

<?php
if($group >=3) {
?
<li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
<li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
<li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
<li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
<?php
}
?
</ul>
<?php
if($group >=3) {
?
<ul>
<li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
<li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
</ul>
<?php
}
?
</div>

<div id="content">

<h1>Import CSV</h1>

<?php
if(isset($_POST['submit'])) {
    global $csv_file_directory;
    $uploadfile = $csv_file_directory . basename($_FILES['csv_file']['name']);

    //retrieve the file extension
    $ext = substr(strrchr($_FILES['csv_file']['name'], "."), 1);

    //check to see if the file has the proper extension and then move the
    uploaded file to its location
    if (($ext == "csv") && (move_uploaded_file($_FILES['csv_file']['tmp_name'],
$uploadfile))) {
        $handle = fopen($uploadfile, "r");

        echo "<p>The following students have been added to the database
successfully!</p>";
        echo "<table style=\"font-size: 0.8em;\">

```

```

        <tr>
            <th>Matric
Number</th><th>Name</th><th>Email</th><th>Course ID</th><th>Current
Year</th><th>Graduation Year</th><th>Direct Entry</th>
        </tr>";
    //loop through uploaded csv file and extract data
    while ($data = fgetcsv ($handle, 1000, ",")) {
        //insert the data retrieved from the csv file into the
database
        $query = "INSERT INTO student VALUES('".$data[0]."',
'".$data[1]."', '".$data[2]."', '".$data[3]."', '".$data[4]."', '".$data[5].',
'".$data[6].')";
        $result = mysql_query($query);
        //output data into the table
        echo "<tr>

            <td>{$data[0]}</td><td>{$data[1]}</td><td>{$data[2]}</td><td>{$data[3]}</td><td>{$
data[4]}</td><td>{$data[5]}</td><td>{$data[6]}</td>
        </tr>";
    }
    echo "</table>";
    //this little javascript highlights the rows in the table to make it
easier to see
    echo "<script type=\"text/javascript\">
        var theTrList = document.getElementsByTagName('tr');
        for (var i = 1; i < theTrList.length; i++) {
            var theTr = theTrList.item (i);
            theTr.onmouseover = function() {
                this.className += 'hilite';
            }
            theTr.onmouseout = function() {
                this.className = this.className.replace('hilite',
'');
            }
        }
    </script>";
    fclose ($handle);

} else {
    echo "<p>Error: Please select the proper file. Remember only CSV
files can be uploaded.</p>";
}

} else {
?>
<p>Please select a CSV file to import. This CSV file must be in the valid format or
problems will arrise.</p>
<form enctype="multipart/form-data" action="<?php echo
$_SERVER['../../sections/students/PHP_SELF']; ?>" method="post">
<p>
    <input type="hidden" name="MAX_FILE_SIZE" value="30000" />
    <label class="csv" for="csv_file">CSV File:</label><input class="csv"
id="csv_file" name="csv_file" type="file" />
</p>
<p>
    <button type="submit" class="confirm" name="submit">Process CSV File</button>
</p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

W. Assign Elective – Student Section ([/sections/students/assign_elective.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Assign Elective</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
    <li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

    <?php
    if($group >=3) {
    ?
    <li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
    <li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
    <li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
    <li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
    <?php
    }
    ?
    </ul>
    <?php
    if($group >=3) {
    ?
    <ul>
        <li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
        <li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
    </ul>
    <?php
    }
    ?
    </div>

<div id="content">
    <h1>Assign Elective</h1>
    <?php

        if(isset($_POST['assign_elective'])) {
            $studentMatric = $_POST['matric_number'];
            $moduleID = $_POST['module_id'];

            //if no moduleID available then no elective to add
            if($moduleID == "none") {
                echo "<p>Sorry there is no available Elective To Add.</p>";
            } else {
                //insert new elective
                $sql = "INSERT INTO elective
                        VALUES(null,'$studentMatric','$moduleID')";
                mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
            }

            echo "<p>The elective has been successfully assigned.</p>";
        }
    </div>

```

```

} elseif (isset($_POST['submit_select'])) {
    $studentMatric = addslashes($_POST['matric_number']);
?>
<p>Please select the elective below to assign to the current student.</p>
<form action=<?php echo $_SERVER['PHP_SELF'];?>" method="post">
<p>
<input type="hidden" id="matric_number" name="matric_number" value=<?php echo
$studentMatric; ?>" />
<label for="module_id">Module:</label>
<?php
    add_elective_list($studentMatric);
?>
</p>
<p>
    <button type="submit" class="confirm" name="assign_elective">Assign
Elective</button>
</p>
<?php
} elseif (isset($_POST['submit_find'])) {
    $studentFind = $_POST['student_find'];

        //searches to check if the student matric number or their name is the same
        as whats been entered
        //not the most efficient way of doing this!, full text is more efficient
        $sql = "SELECT s.StudentsMatricNumber, s.StudentsName, c.CourseName FROM
        student AS s, course AS c
                WHERE (StudentsMatricNumber LIKE '%$studentFind%' AND
        s.StudentsCourseID = c.CourseID)
                        OR (StudentsName LIKE '%$studentFind%' AND s.StudentsCourseID
        = c.CourseID)
                                ORDER BY s.StudentsMatricNumber ASC";

    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());

        //if no results are found then tell the user, otherwise display results in
        a table
        if(mysql_num_rows($query) == 0) {
            echo "<p>Your Search returned no results!</p>";
        } else {
            echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\">";
            echo "<table>";
            echo "<th>Matric
Number</th><th>Name</th><th>Course</th><th>Select</th>";
            $firstItem = true;
            while($result = mysql_fetch_array($query)) {
                echo
                "<tr><td>{$result['StudentsMatricNumber']}</td><td>{$result['StudentsName']}</td><td>{$re
sult['CourseName']}</td>
                <td><input type=\"radio\" ";
                //if first student then check radiobutton by default
                if($firstItem == true) {
                    echo " checked=\"checked\" ";
                    $firstItem = false;
                }
                echo "id=\"matric_number\" name=\"matric_number\""
                value="{$result['StudentsMatricNumber']}"/></td></tr>";
            }
            echo "</table>";
            echo "<button type=\"submit\" name=\"submit_select\">Select
Student</button>";
            echo "</form>";
        ?>
        <!-- Javascript to highlight table row on mouse over, has to be
        placed below table so it finds "valid" tr tags // -->
        <script type="text/javascript">
            var theTrList = document.getElementsByTagName('tr');
            for (var i = 1; i < theTrList.length; i++) {
                var theTr = theTrList.item (i);

```

```

        theTr.onmouseover = function() {
            this.className += 'hilite';
        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite',
        '');
    }
}
</script>
<?php
}
?>
<?php
} else {
?>
<p>Please enter the matriculation number or the name of the student you
wish to assign an elective to. Please note that all students will
be displayed if no data is entered.</p>
<form action="<?php echo $_SERVER['.../sections/students/PHP_SELF'] ;?>">
method="post">
    <p><label for="student_find">Matriculation Number/Name: </label>
        <input type="text" id="student_find" name="student_find"
maxlength="50"/>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Student</button>
    </p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

X. Remove Elective – Student Section ([/sections/students/remove_elective.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Remove Elective</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
            ?>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <?php
                }
            ?>
                <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
            <?php
        }
    ?>
</ul>
</div>

```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/students/view_student.php" title="View
Student">View Student</a></li>

<?php
if($group >=3) {
?>
<li><a href="../../sections/students/add_student.php" title="Add
Student">Add Student</a></li>
<li><a href="../../sections/students/edit_student.php" title="Edit
Student">Edit Student</a></li>
<li><a href="../../sections/students/delete_student.php" title="Delete
Student">Delete Student</a></li>
<li><a href="../../sections/students/import_csv.php" title="Import Student
CSV File">Import Student CSV File</a></li>
<?php
}
?>
?>
</ul>
<?php
if($group >=3) {
?>
<ul>
<li><a href="../../sections/students/assign_elective.php" title="Assign
Elective To Student">Assign Elective To Student</a></li>
<li><a href="../../sections/students/remove_elective.php" title="Remove
Elective From Student">Remove Elective From Student</a></li>
</ul>
<?php
}
?>
</div>

<div id="content">
<h1>Remove Elective</h1>
<?php

if(isset($_POST['remove_elective'])) {
    $studentMatric = $_POST['matric_number'];
    $moduleID = $_POST['module_id'];

    //if no moduleID available then no elective to remove
    if($moduleID == "none") {
        echo "<p>Sorry there is no available Elective To Remove.</p>";
    } else {
        //remove elective
        $sql = "DELETE FROM elective WHERE ElectiveMatricNumber =
'$studentMatric' AND ElectiveModuleID = '$moduleID'";
        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());
        echo "<p>The elective has been successfully removed.</p>";
    }
}

```

```

} elseif (isset($_POST['submit_select'])) {
    $studentMatriic = addslashes($_POST['matriic_number']);
?>
<p>Please select the elective below to remove from the current student.</p>
<form action=<?php echo $_SERVER['PHP_SELF'];?> method="post">
<p><label for="module_id">Module:</label>
    <input type="hidden" name="matriic_number" id="matriic_number" value=<?php
echo $studentMatriic;?>" />
    <?php
        remove_elective_list($studentMatriic);
    ?>
</p>
<p>
    <button type="submit" name="remove_elective">Remove Elective</button>
</p>
<?php
} elseif (isset($_POST['submit_find'])) {
    $studentFind = $_POST['student_find'];
    //searches to check if the student matriic number or their name is the same
as whats been entered
    //not the most efficient way of doing this!, full text is more efficient
    $sql = "SELECT s.StudentsMatriicNumber, s.StudentsName, c.CourseName FROM
student AS s, course AS c
    WHERE (StudentsMatriicNumber LIKE '%$studentFind%' AND
s.StudentsCourseID = c.CourseID)
            OR (StudentsName LIKE '%$studentFind%' AND s.StudentsCourseID
= c.CourseID)
            ORDER BY s.StudentsMatriicNumber ASC";

    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
}

//if no results are found then tell the user, otherwise display results in
a table
if(mysql_num_rows($query) == 0) {
    echo "<p>Your Search returned no results!</p>";
} else {
    echo "<form action=\"$$_SERVER['PHP_SELF']\" method=\"post\">";
    echo "<table>";
    echo "<th>Matriic
Number</th><th>Name</th><th>Course</th><th>Select</th>";
    $firstItem = true;
    while($result = mysql_fetch_array($query)) {
        echo
"<tr><td>{$result['StudentsMatriicNumber']}</td><td>{$result['StudentsName']}</td><td>{$re
sult['CourseName']}</td>
                <td><input type=\"radio\" ";
        //if first student then check radiobutton by default
        if($firstItem == true) {
            echo " checked=\"checked\" ";
            $firstItem = false;
        }
        echo " id=\"view_student\" name=\"matriic_number\""
value="{$result['StudentsMatriicNumber']}\" /></td></tr>";
    }
    echo "</table>";
    echo "<button type=\"submit\" name=\"submit_select\">Select
Student</button>";
    echo "</form>";
?>
<!-- Javascript to highlight table row on mouse over, has to be
placed below table so it finds "valid" tr tags // -->
<script type="text/javascript">
    var theTrList = document.getElementsByTagName('tr');
    for (var i = 1; i < theTrList.length; i++) {
        var theTr = theTrList.item (i);
        theTr.onmouseover = function() {
            this.className += 'hilite';

```

```

        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite',
        '') ;
        }
    }
    </script>
<?php
}
?>
<?php
} else {
?>
<p>Please enter the matriculation number or the name of the student you
wish to remove an elective from. Please note that all students will
be displayed if no data is entered.</p>
<form action="<?php echo $_SERVER['../../sections/students/PHP_SELF'];?>">
method="post">
    <p><label for="student_find">Matriculation Number/Name: </label>
        <input type="text" id="student_find" name="student_find"
maxlength="50"/>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Student</button>
    </p>
</form>
    <?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

Y. Course Home– Course Section (/sections/courses/index.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Courses</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                        <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                            <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                            </ul>
</div>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>

<div id="content">

<h1>Courses</h1>

<h3>View Course</h3>
<p>Select this option if you wish to view the details of a individual Course.</p>
<h3>Add Course</h3>
<p>Select this option if you wish to add a new Course to the system.</p>
<h3>Edit Course</h3>
<p>Select this option if you wish to edit a Course currently available on the system.</p>
<h3>Delete Course</h3>
<p>Select this option if you wish to delete a Course.</p>
<h3>Add Module to Course</h3>
<p>Select this option to add a module to a course.</p>
<h3>Remove Module to Course</h3>
<p>Select this option to remove a module from a course.</p>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

Z. Add Course – Course Section ([/sections/courses/add_course.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                                </ul>
    </div>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>

<div id="content">

<h1>Add Course</h1>

<?php
    if ((isset($_POST['submit'])) && ((empty($_POST['course_id'])) || (empty($_POST['name'])))) {
        echo "<p>Error: Please made sure all fields are completed.</p>";
    } elseif(isset($_POST['submit'])) {
        $courseID = $_POST['course_id'];
        $name = addslashes($_POST['name']);
        $duration = $_POST['duration'];

        $sql = "INSERT INTO course VALUES('$courseID', '$name', '$duration')";
        mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        echo "<p>Course Successfully Added</p>";
    } else {
    ?>
        <p>Please use the fields below to add a course. All fields are required.</p>
        <form action="<?php echo $_SERVER['.....sections/courses/PHP_SELF']; ?>" method="post">
            <p><label for="course_id">Course ID:</label>
                <input type="text" id="course_id" name="course_id" maxlength="10" />
            </p>
            <p><label for="name">Name:</label>
                <input type="text" id="name" name="name" maxlength="150" />
            </p>
            <p><label for="duration">Duration: </label>
                <?php course_duration_list(); ?>
            </p>
            <p>
                <button type="submit" class="confirm" name="submit">Add Course</button>
                <button type="reset" name="Reset">Reset</button>
            </p>
        </form>
        <?php
            } //end of if..else
        ?>
    </div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

AA. Edit Course – Course Section (/sections/courses/edit_course.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Edit Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                        <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                            <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                            </ul>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
</html>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>

<div id="content">

    <h1>Edit Course</h1>

    <?php
    if ((isset($_POST['submit'])) && ((empty($_POST['course_id'])) ||
(empty($_POST['name'])))) {
        echo "<p>Error: Please made sure all fields are completed.</p>";
    } elseif(isset($_POST['submit'])) {
        $courseID = $_POST['course_id'];
        $oldCourseID = $_POST['old_course_id'];
        $name = addslashes($_POST['name']);
        $duration      = $_POST['duration'];

        $sql = "UPDATE course SET CourseID = '$courseID', CourseName = '$name',
CourseDuration = '$duration'
                           WHERE CourseID = '$oldCourseID'";

        mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        echo "<p>Course Successfully Edited</p>";
    } elseif (isset($_POST['submit_find'])) {
        $courseID = $_POST['course_id'];
        $sql = "SELECT * FROM course WHERE CourseID = '$courseID'";
        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
        $result = mysql_fetch_array($query);
        ?>

        <p>Please use the fields below to edit a course. All fields are required.</p>
        <form action="" method="post">
            <p><label for="course_id">Course ID:</label>
                <input type="hidden" id="old_course_id" name="old_course_id"
value="<?php echo $result['CourseID']; ?>"/>
                <input type="text" id="course_id" name="course_id" maxlength="10"
value="<?php echo $result['CourseID']; ?>"/>
            </p>
            <p><label for="name">Name:</label>
                <input type="text" id="name" name="name" maxlength="150" value="<?php
echo $result['CourseName']; ?> "/>
            </p>
            <p><label for="duration">Duration: </label>
                <?php course_duration_list(stripslashes($result['CourseDuration'])); ?>
            </p>
            <p>
                <button type="submit" class="confirm" name="submit">Edit
Course</button>
                <button type="reset" name="reset">Reset Form</button>
            </p>
        </form>
    }
}

```

```
<?php
} else {
?>
    <p>Please select course you wish to edit and it's details will be
displayed.</p>
    <form action=<?php echo $_SERVER['.../sections/courses/PHP_SELF']; ?>" 
method="post">
        <p><label for="course_id">Course: </label>
            <?php course_list(); ?>
        </p>
        <p>
            <button type="submit" name="submit_find">Find Course Details</button>
        </p>
    </form>
    <?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

BB. Delete Course – Course Section ([/sections/courses/delete_course.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Delete Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                        <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                            <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                            </ul>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
</html>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>
<div id="content">

    <h1>Delete Course</h1>

    <?php
        if(isset($_POST['submit'])) {
            $courseID = $_POST['course_id'];
            $sql = "DELETE FROM course WHERE CourseID = '$courseID'";
            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
            echo "<p>Course Successfully Deleted</p>";
        } else {
        ?>
            <p>Please select the course you wish to delete.</p>
            <form action="<?php echo $_SERVER['.....sections/courses/PHP_SELF']; ?>" method="post">
                <p><label for="course_id">Course: </label>
                    <?php course_list(); ?>
                </p>
                <p>
                    <button type="submit" class="confirm" name="submit">Delete Course</button>
                </p>
            </form>
            <?php
        } //end if..else
    ?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

CC. View Course – Course Section ([/sections/courses/view_course.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - View Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
            </ul>
    </div>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>
<div id="content">

    <h1>View Course</h1>

    <?php
    if (isset($_POST['submit_find'])) {
        $courseID = $_POST['course_id'];
        $sql = "SELECT * FROM course WHERE CourseID = '$courseID'";
        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
        $result = mysql_fetch_array($query);
    ?>

        <form action="" method="post">
            <p><label for="course_id">Course ID:</label>
                <input type="text" maxlength="10" readonly="readonly" value="<?php
echo $result['CourseID']; ?>" />
            </p>
            <p><label for="name">Name:</label>
                <input type="text" readonly="readonly" value="<?php echo
$result['CourseName']; ?>" />
            </p>
            <p><label for="duration">Duration: </label>
                <input type="text" id="name" readonly="readonly" value="<?php echo
$result['CourseDuration']; ?>" />
            </p>
        </form>
        <?php
    } else {
    ?>
        <p>Please select course you wish to edit and it's details will be
displayed.</p>
        <form action="<?php echo $_SERVER['.....sections/courses/PHP_SELF']; ?>">
            <p><label for="course_id">Course: </label>
                <?php course_list(); ?>
            </p>
            <p>
                <button type="submit" name="submit_find">Find Course Details</button>
            </p>
        </form>
        <?php
    } //end if..else
    ?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

DD. Add Module To Course – Course Section

(/sections/courses/add_module_to_course.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Module To Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="....index.php" title="Home">Home</a></li>
            <li><a href="....sections/students/index.php"
title="Students">Students</a></li>
                <li><a href="....sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="....sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href="....sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href="....sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href="....sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href="....logout.php" title="Logout">Logout</a></li>
            </ul>
    </div>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>

<div id="content">

<h1>Add Module To Course</h1>

<?php
    if ((isset($_POST['submit'])) && (empty($_POST['add_module_to_course_list']))) {
        echo "<p>Error: No Modules Were Selected.</p>";
    } elseif(isset($_POST['submit'])) {
        $courseID = $_POST['course_id'];
        $courseYear = $_POST['course_year'];
        $addModuleToCourseList = $_POST['add_module_to_course_list'];

        //loop through each module and add it to course
        foreach ($addModuleToCourseList as $addModuleToCourse) {
            $sql = "INSERT INTO course_module_list VALUES (null, '{$courseID}', '{$courseYear}', '{$addModuleToCourse}')";
            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        }

        //select all people who are currently doing that course
        $sql = "SELECT StudentsMatricNumber, CurrentModulesList
                FROM current_modules
                WHERE StudentsMatricNumber IN
                (SELECT StudentsMatricNumber
                FROM student WHERE StudentsCourseID = '{$courseID}' AND
                StudentsCurrentYear = '{$courseYear}')";
        $query = mysql_query($sql) or die("Cannot Query Database: " .
        mysql_error());

        //update current modules record for students who are taking the selected
        course
        while($result = mysql_fetch_array($query)) {
            $newModuleList = ($result['CurrentModulesList'] != "") ?
            $result['CurrentModulesList'] . "," . implode(", ", $addModuleToCourseList) :
            $result['CurrentModulesList'] . implode(", ", $addModuleToCourseList);

            $sql = "UPDATE current_modules
                    SET CurrentModulesList = '{$newModuleList}'
                    WHERE StudentsMatricNumber =
                    '{$result['StudentsMatricNumber']}'";
            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        }

        echo "<p>Modules Successfully Added</p>";
    } elseif (isset($_POST['submit_find'])) {
        $courseID = $_POST['course_id'];
        $courseYear = $_POST['course_year'];
        $sql = "SELECT *
                FROM module
                WHERE ModuleID NOT IN
                (SELECT CourseModuleListModuleID

```

```

        FROM course_module_list
        WHERE CourseModuleListCourseID = '{$courseID}'
        AND CourseModuleListYear = '{$courseYear}')
        ORDER BY ModuleName ASC";

$query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());

//if no results are found then tell the user, otherwise display results in
a table
if(mysql_num_rows($query) == 0) {
    echo "<p>Your Search returned no results!</p>";
} else {
    echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\">";
    echo "<input type=\"hidden\" id=\"course_id\" name=\"course_id\" value=\"$courseID\" />";
    echo "<input type=\"hidden\" id=\"course_year\" name=\"course_year\" value=\"$courseYear\" />";
    echo "<table>";
    echo "<th>Module
Number</th><th>Name</th><th>Revision</th><th>Add</th>";
    while($result = mysql_fetch_array($query)) {
        echo "<tr><td>{$result['ModuleID']}

```

```
 } //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

EE. Remove Module From Course – Course Section

(/sections/courses/remove_module_from_course.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Remove Module From Course</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                                </ul>
    </div>

```

```

<div id=" sidenav">
    <ul>
        <li><a href=".....sections/courses/view_course.php" title="View Course">View Course</a></li>
        <li><a href=".....sections/courses/add_course.php" title="Add Course">Add Course</a></li>
        <li><a href=".....sections/courses/edit_course.php" title="Edit Course">Edit Course</a></li>
        <li><a href=".....sections/courses/delete_course.php" title="Delete Course">Delete Course</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/courses/add_module_to_course.php" title="Add Module To Course">Add Module To Course</a></li>
        <li><a href=".....sections/courses/remove_module_from_course.php" title="Remove Module From Course">Remove Module From Course</a></li>
    </ul>
</div>
<div id="content">

    <h1>Remove Module From Course</h1>

    <?php
        if ((isset($_POST['submit'])) &&
(empty($_POST['remove_module_from_course_list']))) {
            echo "<p>Error: No Modules Were Selected.</p>";
        } elseif(isset($_POST['submit'])) {
            $courseID = $_POST['course_id'];
            $courseYear = $_POST['course_year'];
            $removeModuleFromCourseList = $_POST['remove_module_from_course_list'];

            //loop through and delete modules from course
            foreach ($removeModuleFromCourseList as $removeModuleFromCourse) {
                $sql = "DELETE FROM course_module_list
                        WHERE CourseModuleListCourseID = '{$courseID}'
                        AND CourseModuleListModuleID =
'{$removeModuleFromCourse}'
                        AND CourseModuleListYear = '{$courseYear}'";
                mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
            }

            echo "<p>Modules Successfully Removed From Course</p>";
        } elseif (isset($_POST['submit_find'])) {
            $courseID = $_POST['course_id'];
            $courseYear = $_POST['course_year'];

            $sql = "SELECT *
                    FROM course_module_list
                    WHERE CourseModuleListCourseID = '{$courseID}' AND
CourseModuleListYear = '{$courseYear}'";

            $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
        }
        //if no results are found then tell the user, otherwise display results in
        a table
        if(mysql_num_rows($query) == 0) {
            echo "<p>There are currently no modules assigned to this
course.</p>";
        } else {
            //add values to an array
            $removeModuleFromCourseList = array();
            while($result = mysql_fetch_array($query)) {
                array_push($removeModuleFromCourseList,
$result['CourseModuleListModuleID']);
            }
            $removeModuleFromCourseList = implode("",',
$removeModuleFromCourseList);
        }
    </?php>

```

```

        $sql = "SELECT * FROM module WHERE ModuleID IN
('{$removeModuleFromCourseList}')";
        $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_error());
echo "<form action=\"{$_SERVER['PHP_SELF']}\" method=\"post\>";
echo "<input type=\"hidden\" id=\"course_id\" name=\"course_id\" value=\"$courseID\" />";
echo "<input type=\"hidden\" id=\"course_year\" name=\"course_year\" value=\"$courseYear\" />";
echo "<table>";
echo "<th>Module
Number</th><th>Name</th><th>Revision</th><th>Remove</th>";
while($result = mysql_fetch_array($query)) {
    echo "<tr><td>{$result['ModuleID']}</td><td>{$result['ModuleName']}</td><td>{$result['ModuleRe
vision']}</td>
        <td><input type=\"checkbox\" id=\"remove_module_from_course_list\" name=\"remove_module_from_course_list[]\" value=\"$result['ModuleID']\" /></td></tr>";
    }
echo "</table>";
echo "<button type=\"submit\" class=\"confirm\" name=\"submit\">Remove Selected Modules</button>";
echo "</form>";?>
<!-- Javascript to highlight table row on mouse over, has to be
placed below table so it finds "valid" tr tags // --&gt;
&lt;script type="text/javascript"&gt;
    var theTrList = document.getElementsByTagName('tr');
    for (var i = 1; i &lt; theTrList.length; i++) {
        var theTr = theTrList.item (i);
        theTr.onmouseover = function() {
            this.className += 'hilite';
        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite',
' ');
        }
    }
&lt;/script&gt;
&lt;?php
}
?&gt;

&lt;?php
} else {
?&gt;
        &lt;p&gt;Please select course and year for which you wish to remove modules
from.&lt;/p&gt;
        &lt;form action="&lt;?php echo $_SERVER['.../sections/courses/PHP_SELF']; ?&gt;" method="post"&gt;
            &lt;p&gt;&lt;label for="course_id"&gt;Course: &lt;/label&gt;
                &lt;?php course_list(); ?&gt;
            &lt;/p&gt;
            &lt;p&gt;&lt;label for="course_year"&gt;Year: &lt;/label&gt;
                &lt;?php course_year_list(); ?&gt;
            &lt;/p&gt;
            &lt;p&gt;
                &lt;button type="submit" name="submit_find"&gt;Find Module Details&lt;/button&gt;
            &lt;/p&gt;
        &lt;/form&gt;
        &lt;?php
    } //end if..else
?&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;div id="footer"&gt;
    &lt;p&gt;&amp;copy; 2006 Paul Mowat&lt;/p&gt;
&lt;/div&gt;
&lt;/body&gt;
&lt;/html&gt;
</pre>

```

FF.Module Home – Module Section (</sections/modules/index.php>)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Modules</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                                </ul>
    </div>

```

```
<div id="sidenav">
    <ul>
        <li><a href="....sections/modules/view_module.php" title="View Module">View Module</a></li>
        <li><a href="....sections/modules/add_module.php" title="Add Module">Add Module</a></li>
        <li><a href="....sections/modules/edit_module.php" title="Edit Module">Edit Module</a></li>
        <li><a href="....sections/modules/delete_module.php" title="Delete Module">Delete Module</a></li>
    </ul>
</div>

<div id="content">

    <h1>Modules</h1>

    <h3>View Module</h3>
    <p>Select this option if you wish to view the details of a individual Module.</p>
    <h3>Add Module</h3>
    <p>Select this option if you wish to add a new Module to the system.</p>
    <h3>Edit Module</h3>
    <p>Select this option if you wish to edit a Module currently available on the system.</p>
    <h3>Delete Module</h3>
    <p>Select this option if you wish to delete a Module.</p>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

GG. Add Module – Module Section (/sections/modules/add_module.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Module</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                        <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                            <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                            </ul>

```

```

</div>

<div id="sidenav">
    <ul>
        <li><a href="....sections/modules/view_module.php" title="View Module">View Module</a></li>
        <li><a href="....sections/modules/add_module.php" title="Add Module">Add Module</a></li>
        <li><a href="....sections/modules/edit_module.php" title="Edit Module">Edit Module</a></li>
        <li><a href="....sections/modules/delete_module.php" title="Delete Module">Delete Module</a></li>
    </ul>
</div>

<div id="content">

<h1>Add Module</h1>

<?php
    if ((isset($_POST['submit'])) && ((empty($_POST['module_id'])) || (empty($_POST['name'])))) {
        echo "<p>Error: Please made sure all fields are completed.</p>";
    } elseif(isset($_POST['submit'])) {
        $moduleId = $_POST['module_id'];
        $name = addslashes($_POST['name']);
        $revision = $_POST['revision'];

        $sql = "INSERT INTO module VALUES('$moduleId', '$name', '$revision')";
        mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        echo "<p>Module Successfully Added</p>";
    } else {
    ?>
        <p>Please use the fields below to add a module. All fields are required.</p>
        <form action="" method="post">
            <p><label for="module_id">Module ID:</label>
                <input type="text" id="module_id" name="module_id" maxlength="10" />
            </p>
            <p><label for="name">Name:</label>
                <input type="text" id="name" name="name" maxlength="150" />
            </p>
            <p><label for="revision">Revision: </label>
                <select id="revision" name="revision">
                    <option value="1">1</option>
                    <option value="2">2</option>
                    <option value="3">3</option>
                    <option value="4">4</option>
                    <option value="5">5</option>
                </select>
            </p>
            <p>
                <button type="submit" class="confirm" name="submit">Add Module</button>
                <button type="reset" name="Reset">Reset</button>
            </p>
        </form>
        <?php
            } //end if..else
        ?>
    </div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

HH. Edit Module – Module Section (/sections/modules/edit_module.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Edit Module</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                        <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                            <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                            </ul>

```

```

</div>

<div id="sidenav">
    <ul>
        <li><a href="....sections/modules/view_module.php" title="View Module">View Module</a></li>
        <li><a href="....sections/modules/add_module.php" title="Add Module">Add Module</a></li>
        <li><a href="....sections/modules/edit_module.php" title="Edit Module">Edit Module</a></li>
        <li><a href="....sections/modules/delete_module.php" title="Delete Module">Delete Module</a></li>
    </ul>
</div>

<div id="content">

    <h1>Edit Module</h1>

    <?php
        if ((isset($_POST['submit'])) && ((empty($_POST['module_id'])) ||
        (empty($_POST['name'])))) {
            echo "<p>Error: Please made sure all fields are completed.</p>";
        } elseif(isset($_POST['submit'])) {
            $moduleId = $_POST['module_id'];
            $oldModuleID = $_POST['old_module_id'];
            $name = addslashes($_POST['name']);
            $revision = $_POST['revision'];

            $sql = "UPDATE module SET ModuleID = '$moduleId', ModuleName = '$name',
ModuleRevision = '$revision'
                                WHERE ModuleID = '$oldModuleID'";

            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
            echo "<p>Module Successfully Edited</p>";
        } elseif (isset($_POST['submit_find'])) {
            $moduleId = $_POST['module_id'];
            $sql = "SELECT * FROM module WHERE ModuleID = '$moduleId'";
            $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
            $result = mysql_fetch_array($query);
        }
    ?>

    <p>Please use the fields below to edit a module. All fields are required.</p>
    <form action="" method="post">
        <p><label for="module_id">Module ID:</label>
            <input type="hidden" id="old_module_id" name="old_module_id"
value="<?php echo stripslashes($result['ModuleID']); ?>" />
            <input type="text" id="module_id" name="module_id" maxlength="10"
value="<?php echo stripslashes($result['ModuleID']); ?>" />
        </p>
        <p><label for="name">Name:</label>
            <input type="text" id="name" name="name" maxlength="150" value="<?php
echo stripslashes($result['ModuleName']); ?>" />
        </p>
        <p><label for="revision">Revision: </label>
            <?php module_revision_list(stripslashes($result['ModuleRevision'])) ;
?>
        </p>
        <p>
            <button type="submit" class="confirm" name="submit">Edit
Module</button>
            <button type="reset" name="reset">Reset Form</button>
        </p>
    </form>
    <?php
} else {
?>

```

```
<p>Please select module you wish to edit and it's details will be  
displayed.</p>  
<form action="" method="post">  
    <p><label for="module_id">Module: </label>  
        <?php module_list() ; ?>  
    </p>  
    <p>  
        <button type="submit" name="submit_find">Find Module Details</button>  
    </p>  
</form>  
    <?php  
    } //end if..else  
    ?>  
</div>  
</div>  
  
<div id="footer">  
    <p>&copy; 2006 Paul Mowat</p>  
</div>  
</body>  
</html>
```

II. Delete Module – Module Section (/sections/modules/delete_module.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Delete Module</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                                </ul>
    </div>

```

```

<div id="sidenav">
    <ul>
        <li><a href="....sections/modules/view_module.php" title="View Module">View Module</a></li>
        <li><a href="....sections/modules/add_module.php" title="Add Module">Add Module</a></li>
        <li><a href="....sections/modules/edit_module.php" title="Edit Module">Edit Module</a></li>
        <li><a href="....sections/modules/delete_module.php" title="Delete Module">Delete Module</a></li>
    </ul>
</div>

<div id="content">

    <h1>Delete Module</h1>

    <?php
        if(isset($_POST['submit'])) {
            $moduleID = $_POST['module_id'];
            $sql = "DELETE FROM module WHERE ModuleID = '$moduleID'";
            mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
            echo "<p>Module Successfully Deleted</p>";
        } else {
            ?>
            <p>Please select the module you wish to delete.</p>
            <form action="<?php echo $_SERVER['....sections/modules/PHP_SELF']; ?>" method="post">
                <p><label for="module_id">Course: </label>
                    <?php module_list() ; ?>
                </p>
                <p>
                    <button type="submit" class="confirm" name="submit">Delete Module</button>
                </p>
            </form>
        <?php
            } //end if..else
            ?>
    </div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

JJ. View Module – Module Section ([/sections/modules/view_module.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - View Module</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                        <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
                            <li><a href=" ../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                                <li><a href=" ../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
                                    <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
                                </ul>
    </div>

```

```

<div id="sidenav">
    <ul>
        <li><a href="....sections/modules/view_module.php" title="View Module">View Module</a></li>
        <li><a href="....sections/modules/add_module.php" title="Add Module">Add Module</a></li>
        <li><a href="....sections/modules/edit_module.php" title="Edit Module">Edit Module</a></li>
        <li><a href="....sections/modules/delete_module.php" title="Delete Module">Delete Module</a></li>
    </ul>
</div>

<div id="content">

    <h1>View Module</h1>

    <?php
        if (isset($_POST['submit_find'])) {
            $moduleID = $_POST['module_id'];
            $sql = "SELECT * FROM module WHERE ModuleID = '$moduleID'";
            $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
            $result = mysql_fetch_array($query);
        ?>
            <form action="" method="post">
                <p><label for="module_id">Module ID:</label>
                    <input type="text" readonly="readonly" value="<?php echo stripslashes($result['ModuleID']); ?>" />
                </p>
                <p><label for="name">Name:</label>
                    <input type="text" readonly="readonly" value="<?php echo stripslashes($result['ModuleName']); ?>" />
                </p>
                <p><label for="revision">Revision: </label>
                    <input type="text" readonly="readonly" value="<?php echo stripslashes($result['ModuleRevision']); ?>" />
                </p>
            </form>
            <?php
        } else {
        ?>
            <p>Please select module you wish to edit and it's details will be displayed.</p>
            <form action="" method="post">
                <p><label for="module_id">Module: </label>
                    <?php module_list() ; ?>
                </p>
                <p>
                    <button type="submit" name="submit_find">Find Module Details</button>
                </p>
            </form>
            <?php
        } //end if..else
    ?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

KK. Class Home – Class Section (/sections/classes/index.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Classes</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/classes/view_class.php" title="View Class">View
Class</a></li>

<?php
if($group >=3) {
?
<li><a href="../../sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
<li><a href="../../sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
<li><a href="../../sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
<?php
}
?
<li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
</ul>
<ul>
<li><a href="../../sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
</ul>
</div>

<div id="content">

<h1>Classes</h1>

<h3>View Class</h3>
<p>Select this option if you wish to view the details of a individual Class.</p>
<h3>Add Class</h3>
<p>Select this option if you wish to add a new Class to the system.</p>
<h3>Edit Class</h3>
<p>Select this option if you wish to edit a Class currently available on the
system.</p>
<h3>Delete Class</h3>
<p>Select this option if you wish to delete a Class.</p>
<h3>View/Export Class Attendance</h3>
<p>Select this option if you wish to view a classes attendance. You can also export the
classes attendance to a Execel file.</p>
<h3>Import Students To Class</h3>
<p>Select this option to import Students into a class. This must be done before
attendance can be recorded.</p>
</div>
</div>

<div id="footer">
<p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

LL.Add Class – Class Section (/sections/classes/add_class.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Class</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                    <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="....sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>

<?php
if($group >=3) {
?>
<li><a href="....sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="....logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
    <li><a href="....sections/classes/view_class.php" title="View Class">View
Class</a></li>

    <?php
    if($group >=3) {
    ?>
        <li><a href="....sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
        <li><a href="....sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
        <li><a href="....sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
        <?php
    }
    ?>
        <li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
    </ul>
    <ul>
        <li><a href="....sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
    </ul>
</div>

<div id="content">

<h1>Add Class</h1>

<?php
if ((isset($_POST['submit'])) && ((empty($_POST['lecturer_list'])))) {
    echo "<p>Error: Please made sure all fields are completed.</p>";
} elseif(isset($_POST['submit'])) {
    //store posted data into local variables
    $moduleID = $_POST['module_id'];
    $lecturerList = $_POST['lecturer_list'];
    $classType = $_POST['type'];
    $room = $_POST['room'];
    $day = $_POST['day'];
    $timeStart = $_POST['startHour'] . $_POST['startMinute'];
    $timeEnd = $_POST['endHour'] . $_POST['endMinute'];
    $status = $_POST['status'];
    $session = $_POST['session'];
    $semester = $_POST['semester'];

    //create class
    $sql = "INSERT INTO class
VALUES(null, '{$moduleID}', '{$day}', '{$timeStart}', '{$timeEnd}', '{$room}', '{$classType}' ,
'{$status}', '{$session}', '{$semester}')";
    mysql_query($sql) or die("Cannot Insert Into Database: " . mysql_error());
}

//create lecturer list for class and add primary lecturer to list

```

```

$classID = mysql_insert_id();

for($i = 0; $i < count($lecturerList); $i++) {
    $lecturerID = $lecturerList[$i];
    $sql = "INSERT INTO class_lecturer_list
VALUES(null,'{$classID}', '{$lecturerID}')";
    mysql_query($sql) or die("Cannot Insert Into Database: " .
mysql_error());
}
echo "<p>Class Successfully Added</p>";
} else {
?>
<p>Please use the fields below to add a class. All fields are required.</p>
<form action=<?php echo $_SERVER['.../sections/classes/PHP_SELF']; ?>" method="post">
<p><label for="module_id">Module: </label>
<?php module_list(); ?>
</p>
<p><label for="lecturer_list">Lecturer: </label>
<?php lecturer_list(null, "4", true); ?>
</p>
<p><label for="type">Type: </label>
<?php class_type_list(); ?>
</p>
<p><label for="room">Room: </label>
<?php room_list(); ?>
</p>
<p><label for="day">Day: </label>
<?php day_list(); ?>
</p>
<p><label>Start Time: </label>
<?php time_list("startHour", 9, 18); ?>
<?php time_list("startMinute", 0, 60); ?>
</p>
<p><label>End Time: </label>
<?php time_list("endHour", 9, 18); ?>
<?php time_list("endMinute", 0, 60); ?>
</p>
<p><label>Class Status:</label>
On: <input class="radio" type="radio" id="on" name="status" value="ON" checked="checked" />
Off: <input class="radio" type="radio" id="off" name="status" value="OFF" />
</p>
<p><label for="session">Session: </label>
<?php session_list(); ?>
</p>
<p><label for="semester">Semester: </label>
<?php semester_list(); ?>
</p>
<p>
<button class="confirm" type="submit" name="submit">Add Class</button>
<button type="reset" name="Reset">Reset</button>
</p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
<p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

MM. Delete Class – Class Section (/sections/classes/delete_class.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Delete Class</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/classes/view_class.php" title="View Class">View
Class</a></li>

<?php
if($group >=3) {
?>
<li><a href="../../sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
<li><a href="../../sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
<li><a href="../../sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
<?php
}
?>
<li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
</ul>
<ul>
<li><a href="../../sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
</ul>
</div>

<div id="content">

<h1>Delete Class</h1>
<?php
if(isset($_POST['submit'])) {
    //store class id in local variable
    $classID = $_POST['class_id'];

    //delete all records from class lecturer list
    $sql = "DELETE FROM class_lecturer_list WHERE ClassLecturerListClassID =
'$classID'";
    mysql_query($sql) or die("Cannot Query Database: " . mysql_error());

    //delete class
    $sql = "DELETE FROM class WHERE ClassID = '$classID'";
    mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
    echo "<p>Class Successfully Deleted.</p>";
} else {
?>

<form action=<?php echo $_SERVER['../../sections/classes/PHP_SELF'];?>"
method="post">
<p><label for="class_id">Class: </label>
<?php class_list("class_id", "class_id"); ?>
</p>
<p>
    <button type="submit" class="confirm" name="submit">Delete Class</button>
</p>
</form>
<?php

```

```
    }
    ?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

NN. Edit Class – Class Section ([/sections/classes/edit_class.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Edit Class</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/classes/view_class.php" title="View Class">View
Class</a></li>

<?php
if($group >=3) {
?>
<li><a href="../../sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
<li><a href="../../sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
<li><a href="../../sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
<?php
}
?>
<li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
</ul>
<ul>
<li><a href="../../sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
</ul>
</div>

<div id="content">

<h1>Edit Class</h1>

<?php
if ((isset($_POST['submit'])) && ((empty($_POST['lecturer_list'])))) {
    echo "<p>Error: Please made sure all fields are completed.</p>";
} elseif(isset($_POST['submit'])) {
    //store posted data into local variables
    $classID = $_POST['class_id'];
    $moduleID = $_POST['module_id'];
    $lecturerList = $_POST['lecturer_list'];
    $classType = $_POST['type'];
    $room = $_POST['room'];
    $day = $_POST['day'];
    $timeStart = $_POST['startHour'] . $_POST['startMinute'];
    $timeEnd = $_POST['endHour'] . $_POST['endMinute'];
    $status = $_POST['status'];
    $session = $_POST['session'];
    $semester = $_POST['semester'];

    //delete every lecturer for that class
    $sql = "DELETE FROM class_lecturer_list
            WHERE ClassLecturerListClassID = '{$classID}'";

    mysql_query($sql) or die("An Error Occurred: " . mysql_error());

    //insert only the remaining lecturers into the class
    for($i = 0; $i < count($lecturerList); $i++) {

```

```

        $lecturerID = $lecturerList[$i];
        $sql = "INSERT INTO class_lecturer_list (ClassLecturerListClassID,
ClassLecturerListLecturerID)
VALUES ('{$classID}', '{$lecturerID}')";
        mysql_query($sql) or die("Cannot Insert Into Database: " .
mysql_error());
    }
    $sql = "UPDATE class SET ClassModuleID = '{$moduleID}', ClassDay =
'{$day}' ,
ClassStartTime = '{$timeStart}', ClassEndTime = '{$timeEnd}' ,
ClassRoom = '{$room}' ,
ClassType = '{$classType}', ClassStatus = '{$status}', ClassSession =
'{$session}', ClassSemester = '{$semester}' ,
WHERE ClassID = '{$classID}' ";

mysql_query($sql) or die("An Error Occurred: " . mysql_error());

        echo "<p>Class Successfully Edited.</p>";
} elseif (isset($_POST['submit_find'])) {
    $classID = $_POST['class_id'];
    $sql = "SELECT * FROM class WHERE ClassID = '$classID'";
    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    $result = mysql_fetch_array($query);

    //extract time details
    $time['startHour'] = substr($result['ClassStartTime'],0,2);
    $time['startMinute'] = substr($result['ClassStartTime'],2,4);

    $time['endHour'] = substr($result['ClassEndTime'],0,2);
    $time['endMinute'] = substr($result['ClassEndTime'],2,4);

    //find lecturers who attend the class
    $sql = "SELECT ClassLecturerListLecturerID FROM class_lecturer_list WHERE
ClassLecturerListClassID = '{$result['ClassID']}'";
    $lecturerQuery = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    //stores the lecturers into an array
    while($lecturer = mysql_fetch_array($lecturerQuery)) {
        $lecturerList[] = $lecturer['ClassLecturerListLecturerID'];
    }
?
<p>Please use the fields below to edit a class. All fields are required.</p>
<form action="<?php echo $_SERVER['.../sections/classes/PHP_SELF'];?>" method="post">
    <p><label for="module_id">Module: </label>
        <input type="hidden" id="class_id" name="class_id" value="<?php echo $classID; ?>" />
        <?php module_list(stripslashes($result['ClassModuleID'])); ?>
    </p>
    <p><label for="lecturer_list">Lecturer: </label>
        <?php lecturer_list($lecturerList, "4", true); ?>
    </p>
    <p><label for="type">Type: </label>
        <?php class_type_list(stripslashes($result['ClassType'])); ?>
    </p>
    <p><label for="room">Room: </label>
        <?php room_list(stripslashes($result['ClassRoom'])); ?>
    </p>
    <p><label for="day">Day: </label>
        <?php day_list(stripslashes($result['ClassDay'])); ?>
    </p>
    <p><label>Start Time: </label>
        <?php time_list("startHour", 9, 18, $time['startHour']); ?>
        <?php time_list("startMinute", 0, 60, $time['startMinute']); ?>
    </p>
    <p><label>End Time: </label>
        <?php time_list("endHour", 9, 18, $time['endHour']); ?>
        <?php time_list("endMinute", 0, 60, $time['endMinute']); ?>
    </p>

```

```

<p><label>Class Status:</label>
    On: <input class="radio" type="radio" id="on" name="status" value="ON" <?php
if($result['ClassStatus'] == "ON"){ echo "checked=\"checked\""; } ?> />
    Off: <input class="radio" type="radio" id="off" name="status" value="OFF"
<?php if($result['ClassStatus'] == "OFF"){ echo "checked=\"checked\""; } ?> />
</p>
<p><label for="session">Session: </label>
    <?php session_list(stripslashes($result['ClassSession'])); ?>
</p>
<p><label for="semester">Semester: </label>
    <?php semester_list(stripslashes($result['ClassSemester'])); ?>
</p>
<p>
    <button type="submit" class="confirm" name="submit">Edit Class</button>
    <button type="reset" name="Reset">Reset</button>
</p>
</form>
<?php
} else {
?>
<p>Please select class you wish to edit and it's details will be displayed.</p>
<form action="<?php echo $_SERVER['.../sections/classes/PHP_SELF'];?>">
method="post">
    <p><label for="class_id">Class: </label>
        <?php class_list(); ?>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Class Details</button>
    </p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

OO. View Class – Class Section (/sections/classes/view_class.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - View Class</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
        
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/classes/view_class.php" title="View Class">View
Class</a></li>

<?php
if($group >=3) {
?>
<li><a href="../../sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
<li><a href="../../sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
<li><a href="../../sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
<?php
}
?>
<li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
</ul>
<ul>
<li><a href="../../sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
</ul>
</div>

<div id="content">

<h1>View Class</h1>

<?php
//if form has been submitted then find class details
if (isset($_POST['submit_find'])) {
    $classID = $_POST['class_id'];
    $sql = "SELECT * FROM class WHERE ClassID = '$classID'";
    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    $result = mysql_fetch_array($query);

    //extract time details
    $time['startHour'] = substr($result['ClassStartTime'],0,2);
    $time['startMinute'] = substr($result['ClassStartTime'],2,4);

    $time['endHour'] = substr($result['ClassEndTime'],0,2);
    $time['endMinute'] = substr($result['ClassEndTime'],2,4);

    //find lecturers who attend the class
    $sql = "SELECT ClassLecturerListLecturerID FROM class_lecturer_list WHERE
ClassLecturerListClassID = '{$result['ClassID']}'";
    $lecturerQuery = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    //stores the lecturers into an array
    while($lecturer = mysql_fetch_array($lecturerQuery)) {
        $lecturerList[] = $lecturer['ClassLecturerListLecturerID'];
    }
?>

```

```

<form action="" method="post">
    <p><label for="module_id">Module: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassModuleID']); ?>" />
    </p>
    <p><label for="lecturer_list">Lecturer: </label>
        <?php lecturer_list($lecturerList, "4", true); ?>
    </p>
    <p><label for="type">Type: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassType']); ?>" />
    </p>
    <p><label for="room">Room: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassRoom']); ?>" />
    </p>
    <p><label for="day">Day: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassDay']); ?>" />
    </p>
    <p><label>Start Time: </label>
        <input type="text" class="small" readonly="readonly" value=<?php echo
stripslashes($time['startHour']); ?>" />
        <input type="text" class="small" readonly="readonly" value=<?php echo
stripslashes($time['startMinute']); ?>" />
    </p>
    <p><label>End Time: </label>
        <input type="text" class="small" readonly="readonly" value=<?php echo
stripslashes($time['endHour']); ?>" />
        <input type="text" class="small" readonly="readonly" value=<?php echo
stripslashes($time['endMinute']); ?>" />
    </p>
    <p><label>Class Status:</label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassStatus']); ?>" />
    </p>
    <p><label for="session">Session: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassSession']); ?>" />
    </p>
    <p><label for="semester">Semester: </label>
        <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['ClassSemester']); ?>" />
    </p>
</form>
<?php
} else {
?>
<p>Please select class you wish to edit and it's details will be displayed.</p>
<form action=<?php echo $_SERVER['.../sections/classes/PHP_SELF']; ?>" method="post">
    <p><label for="class_id">Class: </label>
        <?php class_list(); ?>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Class Details</button>
    </p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

PP. Import Students to Class – Class Section

(/sections/classes/import_students_to_class.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerID, LecturerAdminGroup, LecturerPassword FROM lecturer WHERE
LecturerEmail = '$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$lecturerID = $result['LecturerID'];
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Attendance Monitoring - Import Students To Class</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div id="container">
    <div id="header">
        <h1>Header Content</h1>
    </div>
    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
                    <li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
                <li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
                <?php

```

```

        if($group >=3) {
    ?>
    <li><a href=".....sections/configuration/index.php"
title="Configuration">Configuration</a></li>
        <?php
    }
    ?>
    <li><a href=".....logout.php" title="Logout">Logout</a></li>
    </ul>
</div>
<div id=" sidenav">
    <ul>
        <li><a href=".....sections/classes/view_class.php" title="View Class">View
Class</a></li>

        <?php
        if($group >=3) {
    ?>
        <li><a href=".....sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
        <li><a href=".....sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
        <li><a href=".....sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
        <?php
    }
    ?>
        <li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
    </ul>
    <ul>
        <li><a href=".....sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
    </ul>
</div>

<div id="content">
    <h1>Import Students To Class</h1>
    <?php
        if(isset($_POST['submit'])) {
            $classID = $_POST['class_id'];

            global $csv_file_directory;
            $uploadfile = $csv_file_directory . basename($_FILES['csv_file']['name']);

            //retrieve the file extension
            $ext = substr(strrchr($_FILES['csv_file']['name'], ".") , 1);

            //check to see if the file has the proper extension and then move the
uploaded file to its location
            if (($ext == "csv") && (move_uploaded_file($_FILES['csv_file']['tmp_name'],
$uploadfile))) {
                $handle = fopen($uploadfile, "r");

                echo "<p>The following students have been imported into the class
successfully!. Please note that if a student is already present in the class, they were
ignored.</p>";
                echo "<table style=\"font-size: 0.8em;\">
                    <tr>
                        <th>Matric
Number</th><th>Name</th><th>Course</th><th>Group</th>
                    </tr>";
                //loop through uploaded csv file and extract data
                while ($data = fgetcsv ($handle, 1000, ",")) {
                    //insert the data retrieved from the csv file into the
database
                    $matricnumber = $data[0];
                    $name = $data[1];
                    $course = $data[2];
                    $group = (empty($data[3])) ? "" : $data[3];

```

```

        //insert record into attendance table, if there is a duplicate
then just ignore it that record
        $query = "INSERT INTO attendance (AttendanceClassID,
AttendanceMatricNumber, AttendanceGroup)
VALUES('".$classID . "' , '".$matricnumber."' , '".$group."')
ON DUPLICATE KEY UPDATE AttendanceMatricNumber =
'{$matricnumber}'";
        $result = mysql_query($query);
        //output data into the table
        echo "<tr>

<td>{$matricnumber}</td><td>{$name}</td><td>{$course}</td><td>{$group}</td>
</tr>";
    }
    echo "</table>";
    //this little javascript highlights the rows in the table to make it
easier to see
    echo "<script type=\"text/javascript\">
        var theTrList = document.getElementsByTagName('tr');
        for (var i = 1; i < theTrList.length; i++) {
            var theTr = theTrList.item (i);
            theTr.onmouseover = function() {
                this.className += 'hilite';
            }
            theTr.onmouseout = function() {
                this.className = this.className.replace('hilite',
'');
            }
        }
    </script>";
    fclose ($handle);

} else {
    echo "<p>Error: Please select the proper file. Remember only CSV
files can be uploaded.</p>";
}
//populate form with current data
} elseif (isset($_POST['submit_find'])) {
    $classID = $_POST['class_id'];
?>
<p>Please select the CSV file that contains your class list.</p>
<form enctype="multipart/form-data" action="<?php echo
$_SERVER['../../lecturer/sections/classes/PHP_SELF']; ?>" method="post">
<p>
    <input type="hidden" name="class_id" id="class_id" value="<?php echo
$classID; ?>" />
    <input type="hidden" name="MAX_FILE_SIZE" value="30000" />
    <label class="csv" for="csv_file">CSV File:</label><input class="csv"
id="csv_file" name="csv_file" type="file" />
</p>
<p>
    <button type="submit" class="confirm" name="submit">Import Students Into
Class</button>
    </p>
</form>
<?php
} else {
?>
<p>Please select the class you want to import students to.</p>
<form action="<?php echo $_SERVER['../../lecturer/sections/classes/PHP_SELF']; ?>"
method="post">
<p>
    <label for="class_id">Class: </label>
    <?php
        if($group == 2) {
            lecturer_class_list($lecturerID);
        } else {
            class_list();
        }
    ?>

```

```
</p>
<p>
    <button type="submit" class="confirm" name="submit_find">Select Class</button>
</p>
</form>
<?php
    } //end if..else
?>
</div>
</div>
<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body></html>
```

QQ. View/Export Class Attendance – Class Section

(/sections/classes/view_export_class_attendance.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerID, LecturerAdminGroup, LecturerPassword FROM lecturer WHERE
LecturerEmail = '$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$lecturerID = $result['LecturerID'];
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Attendance Monitoring - View/Export Class Attendance</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>

</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href="../../index.php" title="Home">Home</a></li>
        <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
            if($group >=3) {
            ?>
                <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
            <?php
            }
            ?>

```

```

<li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/classes/view_class.php" title="View Class">View
Class</a></li>

<?php
if($group >=3) {
?
<li><a href="../../sections/classes/add_class.php" title="Add Class">Add
Class</a></li>
<li><a href="../../sections/classes/edit_class.php" title="Edit Class">Edit
Class</a></li>
<li><a href="../../sections/classes/delete_class.php" title="Delete
Class">Delete Class</a></li>
<?php
}
?
<li><a href="view_export_class_attendance.php" title="View/Export Class
Attendance">View/Export Class Attendance</a></li>
</ul>
<ul>
<li><a href="../../sections/classes/import_students_to_class.php"
title="Import Students To Class">Import Students To Class</a></li>
</ul>
</div>

<div id="content">
<h1>View/Export Class Attendance</h1>

<?php if(isset($_POST['submit'])) {
$classID = $_POST['class_id'];
$weeksInSemester = getWeeksInSemester();

//select all the required weeks
$attendanceWeek = array();
for($i = 1; $i <= $weeksInSemester; $i++) {
    array_push($attendanceWeek, "AttendanceWeek". $i);
}
$attendanceWeekString = implode(", ", $attendanceWeek);

$sql = "SELECT a.AttendanceMatricNumber, s.StudentsName, AttendanceGroup,
$attendanceWeekString
        FROM attendance AS a, student AS s
        WHERE AttendanceClassID = '{$classID}' AND a.AttendanceMatricNumber =
s.StudentsMatricNumber
        ORDER BY AttendanceMatricNumber ASC";

$query = mysql_query($sql);

if(mysql_num_rows($query) == 0) {
    echo "<p>Currently there is no attendance data for this class.</p>";
} else {

```

```

echo "<p>Below is a list of the attendance details for the selected
class.</p>";

echo "<table>";
echo "<th>Matric Number</th><th>Name</th><th>Group</th>";

//create the required headers
$weeksInSemester = getWeeksInSemester();
for($i = 1; $i <= $weeksInSemester; $i++) {

    echo "<th>" . $i . "</th>";
}
$firstItem = true;

while($result = mysql_fetch_array($query)) {
    $sql1 = "SELECT StudentsName FROM student WHERE StudentsMatricNumber
= '{$result['AttendanceMatricNumber']}'";
    $query1 = mysql_query($sql1);
    $data = mysql_fetch_array($query1);
    echo "<tr>";

    echo
"<td>{$result['AttendanceMatricNumber']}</td><td>{$data['StudentsName']}</td><td>{$result
['AttendanceGroup']}</td>";

    //create the required amount of table cells
    for($i = 1; $i <= $weeksInSemester; $i++) {

        $week = "AttendanceWeek" . $i;
        echo "<td>". $result[$week] . "</td>";
    }

    echo "</table>";
    echo "<p>If you wish to export this classes attendance into a CSV file,
please click the link below.</p>";

    echo "<p><a href=\"export_class_attendance.php?lecturerid=" . $lecturerID .
"&classid=". $classID . "\">Click Here</a></p>";
}

?>
<!-- Javascript to highlight table row on mouse over, has to be placed
below table so it finds "valid" tr tags // --&gt;
&lt;script type="text/javascript"&gt;
    var theTrList = document.getElementsByTagName('tr');
    for (var i = 1; i &lt; theTrList.length; i++) {
        var theTr = theTrList.item (i);
        theTr.onmouseover = function() {
            this.className += 'hilite';
        }
        theTr.onmouseout = function() {
            this.className = this.className.replace('hilite', '');
        }
    }
&lt;/script&gt;
&lt;?php
} else {
?&gt;
&lt;p&gt;Please select class to view or export it's attendance. Please note you can only
view classes you lecture.&lt;/p&gt;
&lt;form action="&lt;?php echo $_SERVER['../../lecturer/sections/classes/PHP_SELF']; ?&gt;"
method="post"&gt;
&lt;p&gt;
    &lt;label for="class_id"&gt;Class: &lt;/label&gt;
    &lt;?php
        if($group == 2) {
            lecturer_class_list($lecturerID);
        } else {
            class_list();
    }
&lt;/p&gt;
</pre>

```

```
        }
    ?>
</p>
<p>
    <button type="submit" name="submit">Select Class</button>
</p>
</form>
<?php
    } //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

RR. Export Class Attendance – Class Section

(/sections/classes/export_class_attendance.php)

```

<?php

/* Code taken from
 * http://www.experts-
exchange.com/Web/Web_Languages/PHP/PHP_Databases/Q_21327293.html+mysql+csv&hl=en&ct=clnk&
cd=10
 * and modified to meet requirements
*/
//make sure classid exists
if((!isset($_GET['classid'])) || (!isset($_GET['lecturerid']))) {
    exit;
}

//check to see that classid validates as
$validateClassID = preg_match("/^[0-9]+$/i", $_GET['classid']);
$validateLecturerID = preg_match("/^[0-9]+$/i", $_GET['lecturerid']);
if(($validateClassID != true) || ($validateLecturerID != true)) {
    exit;
}

//include config
require_once("../includes/config.php");

$classID = $_GET['classid'];
$lecturerID = $_GET['lecturerid'];

$header = "";
$data = "";

//find out which week it currently is
$currentWeek = getCurrentWeekNumber();

$attendanceWeek = array();
for($i = 1; $i <= $currentWeek; $i++) {
    array_push($attendanceWeek, "AttendanceWeek". $i . " AS Wk".$i);
}
$attendanceWeekString = implode(", ", $attendanceWeek);

//select required data from database
$select = "SELECT a.AttendanceMatricNumber AS MatricNumber,
                RIGHT(s.StudentsName, LOCATE(' ',s.StudentsName)) AS SecondName,
                LEFT(s.StudentsName, LOCATE(' ',s.StudentsName)-1) AS FirstName,
                s.StudentsCourseID AS Course, AttendanceGroup AS 'Group',
                $attendanceWeekString
                FROM attendance AS a, student AS s
                WHERE AttendanceClassID = '{$classID}' AND a.AttendanceMatricNumber =
s.StudentsMatricNumber
                ORDER BY AttendanceMatricNumber ASC";

//create csv file
$export = mysql_query ( $select ) or die ( "Sql error : " . mysql_error( ) );

$fields = mysql_num_fields ( $export );

//create csv file column headings
for ( $i = 0; $i < $fields; $i++ )
{
    $header .= mysql_field_name( $export , $i ) . "\t";
}

//loop through each row in data
while( $row = mysql_fetch_row( $export ) )
{
    $line = '';
    //loop through each column in data and output to csv file
    foreach( $row as $value )
    {
        if ( ( !isset( $value ) ) || ( $value == "" ) )
        {

```

```

        $value = "\t";
    }
    else
    {
        $value = str_replace( "'", "''", $value );
        $value = "'" . $value . "'". "\t";
    }
    $line .= $value;
}
$data .= trim( $line ) . "\n";
}
$data = str_replace( "\r" , "" , $data );

//create filename from the current class details
$sql = "SELECT c.ClassID, l.LecturerName, c.ClassModuleId,
          c.ClassType, c.ClassDay, CONCAT(c.ClassStartTime, '-', c.ClassEndTime) AS
ClassTime
          FROM lecturer AS l, class AS c, class_lecturer_list as cl
          WHERE c.ClassID = '{$classID}' AND cl.ClassLecturerListLecturerID =
l.LecturerID
          AND cl.ClassLecturerListLecturerID = '{$lecturerID}'
          ORDER BY ClassModuleId";

$query = mysql_query($sql);

//no classes for that lecturer, select first lecturer in db for that class
if(mysql_num_rows($query) == 0) {
    $sql = "SELECT c.ClassID, l.LecturerName, c.ClassModuleId,
          c.ClassType, c.ClassDay, CONCAT(c.ClassStartTime, '-', c.ClassEndTime) AS
ClassTime
          FROM lecturer AS l, class AS c, class_lecturer_list as cl
          WHERE c.ClassID = '{$classID}' AND cl.ClassLecturerListLecturerID =
l.LecturerID
          AND cl.ClassLecturerListLecturerID = (SELECT LecturerID FROM
lecturer WHERE LecturerID = cl.ClassLecturerListLecturerID LIMIT 1)
          ORDER BY ClassModuleId";
    $query = mysql_query($sql);
}
$result = mysql_fetch_array($query);

//set filenam
$filename = $result['ClassModuleId'] . "-" . $result['LecturerName'] . "-" .
$result['ClassType'] . "-" . $result['ClassDay'] . "-" . $result['ClassTime'] . ".xls";

//force browser to download file automattically
header("Content-type: application/octet-stream");
header("Content-Disposition: attachment; filename=". urlencode($filename));
header("Pragma: no-cache");
header("Expires: 0");
print "$header\n$data";
?>

```

SS. Lecturer Home – Lecturer Section ([/sections/lecturers/index.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2) ) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Lecturers</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

        <li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
        <?php
        if($group >=3) {
        ?>
        <li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
        <?php
        }
        ?>
        <li><a href="../../logout.php" title="Logout">Logout</a></li>
    </ul>
</div>

<div id=" sidenav">
    <ul>
        <li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
        <?php
        if($group >= 3) {
        ?>
        <li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
        <li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
        <li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
        <?php
        }
        ?>
    </ul>
    <ul>
        <?php
        if($group >= 3) {
        ?>
        <li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
        <?php
        } else {
        ?>
        <li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
        <li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
        <?php
        }
        ?>
    </ul>
</div>
<div id="content">
<h1>Lecturers</h1>
<h3>View Lecturer</h3>
<p>Select this option if you wish to view the details of a individual Lecturer.</p>
<h3>Add Lecturer</h3>
<p>Select this option if you wish to add a new Lecturer to the system.</p>
<h3>Edit Lecturer</h3>
<p>Select this option if you wish to edit a Lecturer currently available on the
system.</p>
<h3>Delete Lecturer</h3>
<p>Select this option if you wish to delete a Lecturer.</p>
<h3>Edit Lecturer Password</h3>
<p>Select this option if you wish to change a Lecturers password.</p>
</div>
</div>

<div id="footer">
    <p>© 2006 Paul Mowat</p>
</div>
</body>
</html>

```

TT.Add Lecturer – Lecturer Section (/sections/lecturers/add_lecturer.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Add Lecturer</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
            ?>
                <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                    <?php
                }
            ?>
                <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
            <?php
        }
    ?>
</ul>
</div>

```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?
</ul>
<ul>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?
</ul>
</div>

<div id="content">

<h1>Add Lecturer</h1>

<?php
if ((isset($_POST['submit'])) && ((empty($_POST['name'])) ||
(empty($_POST['email']))) || (empty($_POST['position'])) || (empty($_POST['password']))) )
{
    echo "<p>Error: Please made sure all all required fields are
completed.</p>";
} elseif(isset($_POST['submit'])) {
    $title = addslashes($_POST['title']);
    $name = addslashes($_POST['name']);
    $email = addslashes($_POST['email']);
    $office = addslashes($_POST['office']);
    $position = addslashes($_POST['position']);
    $website = addslashes($_POST['website']);
    $admingroup = addslashes($_POST['admingroup']);
    $telephone = addslashes($_POST['telephone']);
    $password = addslashes(sh1($_POST['password']));
}
}

```

```

    $sql = "INSERT INTO lecturer
VALUES(null,'$title','$name','$email','$office','$position','$website',
      '$telephone','$admingroup','$password')";
mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
echo "<p>Lecturer Successfully Added</p>";
} else {
?>
    <p>Please use the fields below to add a lecturer. Required fields are indicated
by a *.</p>
    <form action="" method="post">
        <p><label for="title">Title: * </label>
           <?php lecturer_title_list(); ?>
        </p>
        <p><label for="name">Name: * </label>
           <input type="text" id="name" name="name" maxlength="60" />
        </p>
        <p><label for="email">Email: * </label>
           <input type="text" id="email" name="email" />
        </p>
        <p><label for="office">Office: </label>
           <input type="text" id="office" name="office" />
        </p>
        <p><label for="position">Position: * </label>
           <input type="text" id="position" name="position" />
        </p>
        <p><label for="website">Website: </label>
           <input type="text" id="website" name="website" />
        </p>
        <p><label for="telephone">Telephone:</label>
           <input type="text" id="telephone" name="telephone" />
        </p>
        <p><label for="admingroup">Admin Group: * </label>
           <?php lecturer_admingroup_list(); ?>
        </p>
        <p><label for="password">Password: * </label>
           <input type="password" id="password" name="password" />
        </p>

        <p>
            <button type="submit" class="confirm" name="submit">Add
Lecturer</button>
            <button type="reset" name="Reset">Reset</button>
        </p>
    </form>
    <?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

UU. Edit Lecturer – Lecturer Section ([/sections/lecturers/edit_lecturer.php](#))

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2) ) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Edit Lecturer</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php" title="Lecturers">Lecturers</a></li>
    <?php
    if($group >=3) {
    ?>
        <li><a href="../../sections/configuration/index.php" title="Configuration">Configuration</a></li>
            <?php
            }
            ?>
            <li><a href="../../logout.php" title="Logout">Logout</a></li>
        </ul>
    </div>

    <div id=" sidenav " >
        <ul>
            <li><a href="../../sections/lecturers/view_lecturer.php" title="View Lecturer">View Lecturer</a></li>
                <?php
                if($group >= 3) {
                ?>
                    <li><a href="../../sections/lecturers/add_lecturer.php" title="Add Lecturer">Add Lecturer</a></li>
                    <li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit Lecturer">Edit Lecturer</a></li>
                    <li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete Lecturer">Delete Lecturer</a></li>
                <?php
                }
                ?>
            </ul>
            <ul>
                <?php
                if($group >= 3) {
                ?>
                    <li><a href="../../sections/lecturers/edit_lecturer_password.php" title="Edit Lecturer Password">Edit Lecturer Password</a></li>
                        <?php
                        } else {
                        ?>
                            <li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My Details">Edit My Details</a></li>
                            <li><a href="../../sections/lecturers/change_my_password.php" title="Change My Password">Change My Password</a></li>
                        <?php
                        }
                        ?>
                </ul>
            </div>

            <div id="content " >
                <h1>Edit Lecturer</h1>

                <?php
                //validate fields to ensure no required fields are empty
                if ((isset($_POST['submit'])) && ((empty($_POST['name'])) || (empty($_POST['email'])) || (empty($_POST['position'])))) {
                    echo "<p>Error: Please made sure all all required fields are completed.</p>";
                } elseif(isset($_POST['submit'])) {
                    $lecturerID = $_POST['lecturer_id'];
                    $title = addslashes($_POST['title']);
                    $name = addslashes($_POST['name']);
                    $email = addslashes($_POST['email']);
                    $office = addslashes($_POST['office']);
                    $position = addslashes($_POST['position']);
                    $website = addslashes($_POST['website']);
                    $admingroup = addslashes($_POST['admingroup']);
                    $telephone = addslashes($_POST['telephone']);
                }
            </div>
        
```

```

$sql = "UPDATE lecturer SET LecturerTitle = '$title', LecturerName =
'$name',
                           LecturerEmail = '$email', LecturerOffice = '$office',
LecturerPosition = '$position', LecturerWebsite = '$website',
                           LecturerAdminGroup = '$admingroup', LecturerTelephone =
'$telephone'
                           WHERE LecturerID = '$lecturerID'";

mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
echo "<p>Lecturer Successfully Edited</p>";
} elseif (isset($_POST['submit_find'])) {
    $lecturerID = $_POST['lecturer_id'];
    $sql = "SELECT * FROM lecturer WHERE LecturerID = '$lecturerID'";
    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    $result = mysql_fetch_array($query);
?
<p>Please use the fields below to add a lecturer. Required fields are indicated by
a *.</p>
<form action="" method="post">
    <p><label for="title">Title:</label>
        <?php lecturer_title_list($result['LecturerTitle']); ?>
    </p>
    <p><label for="name">Name: *</label>
        <input type="hidden" id="lecturer_id" name="lecturer_id" value="<?php
echo stripslashes($result['LecturerID']); ?>" />
        <input type="text" id="name" name="name" value="<?php echo
stripslashes($result['LecturerName']); ?>" />
    </p>
    <p><label for="email">Email: *</label>
        <input type="text" id="email" name="email" value="<?php echo
stripslashes($result['LecturerEmail']); ?>" />
    </p>
    <p><label for="office">Office:</label>
        <input type="text" id="office" name="office" value="<?php echo
stripslashes($result['LecturerOffice']); ?>" />
    </p>
    <p><label for="position">Position: *</label>
        <input type="text" id="position" name="position" value="<?php echo
stripslashes($result['LecturerPosition']); ?>" />
    </p>
    <p><label for="website">Website:</label>
        <input type="text" id="website" name="website" value="<?php echo
stripslashes($result['LecturerWebsite']); ?>" />
    </p>
    <p><label for="telephone">Telephone:</label>
        <input type="text" id="telephone" name="telephone" value="<?php echo
stripslashes($result['LecturerTelephone']); ?>" />
    </p>
    <p><label for="admingroup">Admin Group: *</label>
        <?php
lecturer_admingroup_list(stripslashes($result['LecturerAdminGroup'])); ?>
    </p>
    <p>
        <button type="submit" class="confirm" name="submit">Edit
Lecturer</button>
        <button type="reset" name="reset">Reset Form</button>
    </p>
</form>
<?php
} else {
?>
<p>Please select lecturer you wish to edit and their details will be displayed.</p>
<form action="<?php echo $_SERVER['.../sections/lecturers/PHP_SELF']; ?>"
method="post">
    <p><label for="lecturer_id">Lecturer: </label>
        <?php lecturer_list(); ?>
    </p>

```

```
<p>
    <button type="submit" name="submit_find">Find Lecturer Details</button>
</p>
</form>
<?php
    } //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

VV. Delete Lecturer – Lecturer Section (/sections/lecturers/delete_lecturer.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2) ) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Delete Lecturer</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?
</ul>
<ul>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?
</ul>
</div>

<div id="content">

<h1>Delete Lecturer</h1>

<?php
if(isset($_POST['submit'])) {
$lecturerID = $_POST['lecturer_id'];
$sql = "DELETE FROM lecturer WHERE LecturerID = '$lecturerID'";
mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
echo "<p>Lecturer Successfully Deleted</p>";
} else {
?
<p>Please select the lecturer you wish to delete.</p>
<form action="" method="post">
<p><label for="lecturer_id">Lecturer: </label>
<?php lecturer_list("lecturer_id", "lecturer_id"); ?>
</p>
<p>
<button type="submit" class="confirm" name="submit">Delete Lecturer</button>
</p>

```

```
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
<p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

WW. View Lecturer – Lecturer Section (/sections/lecturers/view_lecturer.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - View Lecturer</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>

<div id=" sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?
</ul>
<ul>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?
</ul>
</div>

<div id="content">
<h1>View Lecturer</h1>

<?php
if (isset($_POST['submit_find'])) {
$lecturerID = $_POST['lecturer_id'];
$sql = "SELECT *
        FROM lecturer WHERE LecturerID = '$lecturerID'";
$query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
$result = mysql_fetch_array($query);
?>
<form action="" method="post">
<p><label for="title">Title:</label>
      <input type="text" readonly="readonly" value=<?php echo
stripslashes($result['LecturerTitle']); ?>" />
</p>
<p><label for="name">Name: </label>

```

```

        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerName']); ?>" />
    </p>
    <p><label for="email">Email: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerEmail']); ?>" />
    </p>
    <p><label for="office">Office: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerOffice']); ?>" />
    </p>
    <p><label for="position">Position: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerPosition']); ?>" />
    </p>
    <p><label for="website">Website: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerWebsite']); ?>" />
    </p>
    <p><label for="telephone">Telephone: </label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes($result['LecturerTelephone']); ?>" />
    </p>
    <p><label for="admingroup">Admin Group:</label>
        <input type="text" readonly="readonly" value="<?php echo
stripslashes(adminGroupName($result['LecturerAdminGroup'])); ?>" />
    </p>
    </form>
    <?php
} else {
?>
<p>Please select lecturer you wish to view and their details will be
displayed.</p>
<form action="<?php echo $_SERVER['.../sections/lecturers/PHP_SELF']; ?>">
method="post">
    <p><label for="lecturer_id">Lecturer: </label>
        <?php lecturer_list(); ?>
    </p>
    <p>
        <button type="submit" name="submit_find">Find Lecturer Details</button>
    </p>
</form>
    <?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

XX. Change My Password – Lecturer Section

(/sections/lecturers/change_my_password.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerID, LecturerPassword, LecturerAdminGroup FROM lecturer WHERE
LecturerEmail = '$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$lecturerID = $result['LecturerID'];
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Attendance Monitoring - ChangeMy Password</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>

</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href=" ../../index.php" title="Home">Home</a></li>
            <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                    if($group >=3) {
                ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
        </ul>
    </div>
</div>

```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?>
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?>
</ul>
<ul>
<?php
if($group >= 3) {
?>
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?>
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?>
</ul>
</div>
<div id="content">
<h1>Change My Password</h1>

<?php
//validate fields to ensure no required fields are empty
    if ((isset($_POST['submit'])) && ((empty($_POST['password'])) ||
(empty($_POST['confirm_password'])))) {
        echo "<p>Error: Please made sure all all required fields are
completed.</p>";
    } elseif ((isset($_POST['submit'])) && ($_POST['password'] !=
$_POST['confirm_password'])) {
        echo "<p>Error: Passwords do not match.</p>";
    } elseif (isset($_POST['submit'])) {
        $password = sha1($_POST['password']);
        $confirmPassword = sha1($_POST['confirm_password']);

        $sql = "UPDATE lecturer SET LecturerPassword = '{$password}'
                WHERE LecturerID = '$lecturerID'";

        mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
        echo "<p>Password Successfully Changed.</p>";
    }
}
?>
```

```

echo "<p>Please will be asked to login again with your new password in 5
seconds.</p>";
    //delete cookie
    setcookie("attendanceLogin[0]", "", time() - 3600, '/', '', 0);
    setcookie("attendanceLogin[1]", "", time() - 3600, '/', '', 0);

    header("Location: ../../login.php");
} else {
?>
<p>Please enter password below. You will be asked to login again.</p>
<form action="" method="post">
    <p><label for="password">Password:</label>
        <input type="password" id="password" name="password" />
    </p>
    <p><label for="confirm_password">Confirm Password:</label>
        <input type="password" id="confirm_password" name="confirm_password" />
    </p>
    <button type="submit" class="confirm" name="submit">Change
Password</button>
    </p>
</form>
<?php
}
?>

</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

YY. Edit Lecturer Password – Lecturer Section

(/sections/lecturers/edit_lecturer_password.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Edit Lecturer Password</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../sections/students/index.php"
title="Students">Students</a></li>
            <?php
                if($group >=3) {
                    ?>
                    <li><a href=" ../../sections/courses/index.php"
title="Courses">Courses</a></li>
                    <li><a href=" ../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
            ?>
            <li><a href=" ../../sections/classes/index.php"
title="Classes">Classes</a></li>
    
```

```

<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?>
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?>
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id="sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?>
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?>
</ul>
<ul>
<?php
if($group >= 3) {
?>
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?>
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?>
</ul>
</div>

<div id="content">

<h1>Edit Lecturer Password</h1>

<?php
//validate fields to ensure no required fields are empty
    if ((isset($_POST['submit'])) && ((empty($_POST['password'])) ||
(empty($_POST['confirm_password'])))) {
        echo "<p>Error: Please made sure all all required fields are
completed.</p>";
    } elseif ((isset($_POST['submit'])) && ($_POST['password'] !=
$_POST['confirm_password'])) {
        echo "<p>Error: Passwords do not match.</p>";
    } elseif(isset($_POST['submit'])) {
        $lecturerID = $_POST['lecturer_id'];
        $password = sha1($_POST['password']);
        $confirmPassword = sha1($_POST['confirm_password']);

        $sql = "UPDATE lecturer SET LecturerPassword = '{$password}'"
               WHERE LecturerID = '$lecturerID'";
    }
}
?>

```

```

mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
echo "<p>Password Successfully Changed.</p>";
} elseif (isset($_POST['submit_find'])) {
    $lecturerID = $_POST['lecturer_id'];
?
<p>Please enter password below.</p>
<form action="" method="post">
    <p><label for="password">Password:</label>
        <input type="password" id="password" name="password" />
    </p>
    <p><label for="confirm_password">Confirm Password:</label>
        <input type="password" id="confirm_password" name="confirm_password" />
</p>
<input type="hidden" id="lecturer_id" name="lecturer_id" value=<?php
echo $lecturerID; ?>" />
    <button type="submit" class="confirm" name="submit">Change
Password</button>
</p>
</form>
<?php
} else {
?
<p>Please select lecturer whose password you wish to edit.</p>
<form action=<?php echo $_SERVER['.../sections/lecturers/PHP_SELF']; ?>" method="post">
    <p><label for="lecturer_id">Lecturer: </label>
        <?php lecturer_list(); ?>
    </p>
    <p>
        <button type="submit" name="submit_find">Select Lecturer</button>
    </p>
</form>
<?php
} //end if..else
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

ZZ>Edit My Details – Lecturer Section (/sections/lecturers/edit_my_details.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerID, LecturerAdminGroup, LecturerPassword FROM lecturer WHERE
LecturerEmail = '$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$lecturerID = $result['LecturerID'];
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword) || ($group < 2)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 2) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Attendance Monitoring - Edit My Details</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>

<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

    <div id="header">
        <h1>Header Content</h1>
    </div>

    <div id="mainnav">
        <ul>
            <li><a href="../../index.php" title="Home">Home</a></li>
            <li><a href="../../sections/students/index.php"
title="Students">Students</a></li>
                <?php
                if($group >=3) {
                ?>
                <li><a href="../../sections/courses/index.php"
title="Courses">Courses</a></li>
                <li><a href="../../sections/modules/index.php"
title="Modules">Modules</a></li>
                <?php
                }
                ?>
            
```

```

<li><a href="../../sections/classes/index.php"
title="Classes">Classes</a></li>
<li><a href="../../sections/lecturers/index.php"
title="Lecturers">Lecturers</a></li>
<?php
if($group >=3) {
?
<li><a href="../../sections/configuration/index.php"
title="Configuration">Configuration</a></li>
<?php
}
?
<li><a href="../../logout.php" title="Logout">Logout</a></li>
</ul>
</div>
<div id=" sidenav">
<ul>
<li><a href="../../sections/lecturers/view_lecturer.php" title="View
Lecturer">View Lecturer</a></li>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/add_lecturer.php" title="Add
Lecturer">Add Lecturer</a></li>
<li><a href="../../sections/lecturers/edit_lecturer.php" title="Edit
Lecturer">Edit Lecturer</a></li>
<li><a href="../../sections/lecturers/delete_lecturer.php" title="Delete
Lecturer">Delete Lecturer</a></li>
<?php
}
?
</ul>
<ul>
<?php
if($group >= 3) {
?
<li><a href="../../sections/lecturers/edit_lecturer_password.php"
title="Edit Lecturer Password">Edit Lecturer Password</a></li>
<?php
} else {
?
<li><a href="../../sections/lecturers/edit_my_details.php" title="Edit My
Details">Edit My Details</a></li>
<li><a href="../../sections/lecturers/change_my_password.php" title="Change
My Password">Change My Password</a></li>
<?php
}
?
</ul>
</div>

<div id="content">
<h1>Edit My Details</h1>

<?php
if ((isset($_POST['submit'])) && ((empty($_POST['name'])) || (empty($_POST['email']))))
{
    echo "<p>Error: Please made sure all all required fields are
completed.</p>";
} elseif(isset($_POST['submit'])) {
    $lecturerID = $_POST['lecturer_id'];
    $title = addslashes($_POST['title']);
    $name = addslashes($_POST['name']);
    $email = addslashes($_POST['email']);
    $office = addslashes($_POST['office']);
    $website = addslashes($_POST['website']);
    $telephone = addslashes($_POST['telephone']);

    $sql = "UPDATE lecturer SET LecturerTitle = '$title', LecturerName =
'$name',

```

```

LecturerEmail = '$email', LecturerOffice = '$office',
LecturerWebsite = '$website',
LecturerTelephone = '$telephone'
WHERE LecturerID = '$lecturerID';

mysql_query($sql) or die("Cannot Query Database: " . mysql_error());
echo "<p>Lecturer Successfully Edited</p>";
} else {
    $sql = "SELECT * FROM lecturer WHERE LecturerID = '$lecturerID'";
    $query = mysql_query($sql) or die("Cannot Query Database: " .
mysql_query());
    $result = mysql_fetch_array($query);
?
<p>Please use the fields below to edit your details. Required fields are indicated
by a *.</p>
<p><span style="font-weight:bolder;">Note: </span>Remember your Email is used as
your login and must be unique.</p>
<form action="" method="post">
<p><label for="title">Title: *</label>
    <?php lecturer_title_list($result['LecturerTitle']); ?>
</p>
<p><label for="name">Name: *</label>
    <input type="hidden" id="lecturer_id" name="lecturer_id" value="<?php
echo stripslashes($result['LecturerID']); ?>" />
    <input type="text" id="name" name="name" value="<?php echo
stripslashes($result['LecturerName']); ?>" />
</p>
<p><label for="email">Email: *</label>
    <input type="text" id="email" name="email" value="<?php echo
stripslashes($result['LecturerEmail']); ?>" />
</p>
<p><label for="office">Office: </label>
    <input type="text" id="office" name="office" value="<?php echo
stripslashes($result['LecturerOffice']); ?>" />
</p>
<p><label for="website">Website: </label>
    <input type="text" id="website" name="website" value="<?php echo
stripslashes($result['LecturerWebsite']); ?>" />
</p>
<p><label for="telephone">Telephone: </label>
    <input type="text" id="telephone" name="telephone" value="<?php echo
stripslashes($result['LecturerTelephone']); ?>" />
</p>

<p>
    <button type="submit" class="confirm" name="submit" id="submit">Edit
My Details</button>
    <button type="reset" name="reset">Reset Form</button>
</p>
</form>
<?php
} //end if..else
?>

</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

AAA. Configuration Home – Configuration Section

(/sections/configuration/index.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendanceLogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Configuration</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../students/index.php" title="Students">Students</a></li>
        <li><a href=" ../../courses/index.php" title="Courses">Courses</a></li>
        <li><a href=" ../../modules/index.php" title="Modules">Modules</a></li>
        <li><a href=" ../../classes/index.php" title="Classes">Classes</a></li>
        <li><a href=" ../../lecturers/index.php" title="Lecturers">Lecturers</a></li>
        <li><a href=" ../../index.php" title="Configuration">Configuration</a></li>
        <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
    </ul>
</div>

<div id=" sidenav">
    <ul>
        <li><a href=" set_week_dates.php" title="Set Week Dates">Set Week
Dates</a></li>
    </ul>

```

```
</div>

<div id="content">
    <h1>Configuration</h1>
    <h3>Set Week Dates</h3>
    <p>Set the dates required for to represent each week of the academic year. </p>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>
```

BBB. Set Week Dates – Configuration Section

(/sections/configuration/set_week_dates.php)

```

<?php
//include config
require_once("../includes/config.php");

//retrieve data from cookies and store it in local variables
$cookieData = $_COOKIE['attendancelogin'];
$cookieEmail = $cookieData[0];
$cookiePassword = $cookieData['1'];

//query database to get the password that matches the email address of the cookie
$sql = "SELECT LecturerPassword, LecturerAdminGroup FROM lecturer WHERE LecturerEmail =
'$cookieEmail'";
$query = mysql_query($sql)
    or die("Cannot Query The Database: " . mysql_error());

//store result into a array
$result = mysql_fetch_array($query);
//assign lecturerPassword to $password for easy access
$password = $result['LecturerPassword'];
$group = strtoupper($result['LecturerAdminGroup']);

//if the cookie password is empty or the passwords don't match, send them back to login
and exit
if((empty($cookiePassword)) || ($password != $cookiePassword)) {
    header("Location: ../../login.php");
    exit;
}
//if group is not higher than a lecturer(2) then send them to index
if($group < 3) {
    header("Location: ../../index.php");
    exit;
}

?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

<title>Attendance Monitoring - Set Week Dates</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="../../includes/css/style.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="../../includes/functions.js"></script>
</head>
<body>
<div id="container">

<div id="header">
    <h1>Header Content</h1>
</div>

<div id="mainnav">
    <ul>
        <li><a href=" ../../index.php" title="Home">Home</a></li>
        <li><a href=" ../../students/index.php" title="Students">Students</a></li>
        <li><a href=" ../../courses/index.php" title="Courses">Courses</a></li>
        <li><a href=" ../../modules/index.php" title="Modules">Modules</a></li>
        <li><a href=" ../../classes/index.php" title="Classes">Classes</a></li>
        <li><a href=" ../../lecturers/index.php" title="Lecturers">Lecturers</a></li>
        <li><a href=" ../../index.php" title="Configuration">Configuration</a></li>
        <li><a href=" ../../logout.php" title="Logout">Logout</a></li>
    </ul>
</div>

<div id="sidenav">
    <ul>
        <li><a href="set_week_dates.php" title="Set Week Dates">Set Week
Dates</a></li>
    </ul>

```

```

</div>

<div id="content">

<h1>Set Week Dates</h1>

<?php
//if form has been submitted post
if(isset($_POST['submit'])) {
    //get session from form
    $session = $_POST['session'];

    //semester 1
    $s1dayList = $_POST['s1day'];
    $s1monthList = $_POST['s1month'];
    $s1yearList = $_POST['s1year'];

    //loop through all semester 1 weeks and add to database
    for($i = 0; $i < 13; $i++) {
        //arrays start at 0 so need to add one on to get proper week number
        $weekNumber = $i + 1;
        $date = date("Y-m-d H:i:s",
mkttime(0,0,0,$s1monthList[$i],$s1dayList[$i],$s1yearList[$i]));
        $sql = "INSERT INTO weekdate
                Values('{$session}', '1', '{$weekNumber}', '{$date}')
                ON DUPLICATE KEY UPDATE Date = '{$date}'";
        $query = mysql_query($sql) or die("Error: " . mysql_error());
    }
    //semester 2
    $s2dayList = $_POST['s2day'];
    $s2monthList = $_POST['s2month'];
    $s2yearList = $_POST['s2year'];

    //loop through all semester 1 weeks and add to database
    for($i = 0; $i < 13; $i++) {
        //arrays start at 0 so need to add one on to get proper week number
        $weekNumber = $i + 1;
        $date = date("Y-m-d H:i:s",
mkttime(0,0,0,$s2monthList[$i],$s2dayList[$i],$s2yearList[$i]));
        $sql = "INSERT INTO weekdate
                Values('{$session}', '2', '{$weekNumber}', '{$date}')
                ON DUPLICATE KEY UPDATE Date = '{$date}'";
        $query = mysql_query($sql) or die("Error: " . mysql_error());
    }

    //semester 3
    $s3dayList = $_POST['s3day'];
    $s3monthList = $_POST['s3month'];
    $s3yearList = $_POST['s3year'];

    //loop through all semester 1 weeks and add to database
    for($i = 0; $i < 15; $i++) {
        //arrays start at 0 so need to add one on to get proper week number
        $weekNumber = $i + 1;
        $date = date("Y-m-d H:i:s",
mkttime(0,0,0,$s3monthList[$i],$s3dayList[$i],$s3yearList[$i]));
        $sql = "INSERT INTO weekdate
                Values('{$session}', '3', '{$weekNumber}', '{$date}')
                ON DUPLICATE KEY UPDATE Date = '{$date}'";
        $query = mysql_query($sql) or die("Error: " . mysql_error());
    }

    echo "<p>Submitted</p>";
} else {
?>
```

<p>The setting of these dates are critical to the system. These dates determine which week

it currently is, and therefore which week the student is attending. The dates should be set to the monday of each week</p>

```

<p><strong>Note: </strong>This cannot be undone!</p>
<form action=<?php echo $_SERVER['PHP_SELF'];?>" method="post">

<p><label for="session">Session: </label>
    <?php session_list(); ?>
</p>

<h2>Semester 1</h2>
<p>
<?php
//create 12 weeks worth of drop down boxes
for($i = 1; $i <= 13; $i++) {
    echo "<label>Week {$i}</label>";
    dayList("s1day[]"); monthList("s1month[]"); yearList("s1year[]");
}
?>
</p>
<h2>Semester 2</h2>
<p>
<?php
//create 12 weeks worth of drop down boxes
for($i = 1; $i <= 13; $i++) {
    echo "<label>Week {$i}</label>";
    dayList("s2day[]"); monthList("s2month[]"); yearList("s2year[]");
}
?>
</p>
<h2>Semester 3</h2>
<p>
<?php
//create 12 weeks worth of drop down boxes
for($i = 1; $i <= 15; $i++) {
    echo "<label>Week {$i}</label>";
    dayList("s3day[]"); monthList("s3month[]"); yearList("s3year[]");
}
?>
</p>
<p>
    <button id="submit" class="confirm" name="submit">Set Weeks</button>
</p>
</form>
<?php
}
?>
</div>
</div>

<div id="footer">
    <p>&copy; 2006 Paul Mowat</p>
</div>
</body>
</html>

```

CCC. HTA Generator – Student Interface (HTA) (HTAGenerator.java)

```

import java.io.BufferedWriter;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.FileWriter;
import java.io.IOException;
import java.util.Random;
import java.util.zip.ZipEntry;
import java.util.zip.ZipInputStream;

import javax.swing.JOptionPane;

/**
 *
 */
public class HTAGenerator {
    private String filename; // name of file

    private File outputFile; // file for string output
    private String originalDirectory = System.getProperty("user.dir") + "\\";
    private String workingDirectory = originalDirectory + "console\\";
    private String interfaceDirectory = workingDirectory + "interface\\";
    private String resourcesDirectory = interfaceDirectory + "resources\\";
    private String zipName = "resources.zip";

    /**
     * @param args
     */
    public static void main(String[] args) {
        new HTAGenerator();
    }

    public HTAGenerator() {

        filename = createRandomName(); //create random file name
        createStructure(); //create structure required if it doesnt exist already
        extractZip(zipName, resourcesDirectory); //extract resources
        createHta(filename); //create the hta
        executeHta(outputFile); //execute the hta
    }

    //if directories exist then nothing happens
    public void createStructure() {
        (new File(workingDirectory)).mkdir();
        (new File(originalDirectory)).mkdir();
        (new File(interfaceDirectory)).mkdir();
        (new File(resourcesDirectory)).mkdir();
    }

    public void createHta(String f) { //f stands for filename

        //set current working directory
        String currentDirectory = interfaceDirectory;

        try {
            outputFile = new File(currentDirectory + f); //creates new file if
one doesnt exist

            //PrintStream bw = new PrintStream(new FileOutputStream(outputFile));
            BufferedWriter bw = new BufferedWriter(new FileWriter(outputFile));

            //  create header portion of output file
            //          create header portion of output file
            //map out how to delete, what is best way???
            //what happens if user clicks back button? does java app restart
        }
    }
}

```

```

        bw.write( "<html>
\n" +
          "  <head>
\n" +
          "    <HTA:APPLICATION ID=\"oMyNNInterfaces\""
\n" +
          "      APPLICATIONNAME=\"Interfaces\""
\n" +
          "      BORDER=\"thin\"                                // thick, dialog,
none, thin
\n" +
          "      BORDERSTYLE=\"normal\"                         // normal, complex,
raised, static, sunken
\n" +
          "      CAPTION=\"yes\"                               // yes, no
\n" +
          "      CONTEXTMENU=\"no\"                            // yes, no
\n" +
          "      INNERBORDER=\"yes\"                           // yes, no
\n" +
          "      MAXIMIZEBUTTON=\"no\"                         // yes, no
\n" +
          "      MINIMIZEBUTTON=\"no\"                         // yes, no
\n" +
          "      NAVIGABLE=\"no\"                             // yes, no
\n" +
          "      SCROLL=\"no\"                               // yes, no, auto
\n" +
          "      SCROLLFLAT=\"yes\"                           // yes, no
\n" +
          "      SELECTION=\"yes\"                            // yes, no
\n" +
          "      SHOWINTASKBAR=\"no\"                          // yes, no
\n" +
          "      SINGLEINSTANCE=\"no\"                         // yes, no, All HTA
not Just this one!!!!
\n" +
          "      SYSMENU=\"yes\"                            // yes, no
\n" +
          "      VERSION=\"1.1\""
\n" +
          "      WINDOWSTATE=\"normal\"                      // normal, minimize,
maximize
\n" +
          "... />
\n" +
          "      <title>Attendance Monitoring</title>
\n" );

```



```

//include vbscript portion of output file
bw.write("<link type=\"text/css\" rel=\"stylesheet\" href=\""+ +
resourcesDirectory + "style.css\" />\n" );
bw.write("<script language=\"vbscript\" src=\""+ + resourcesDirectory +
"functions.dat\"></script>\n");

```



```

// create body portion of output file
bw.write("  </head> \n" +
          "  <body onLoad=\"deleteDirectory('"+ + workingDirectory + "')\">
\n");

```



```

bw.write("  <div id=\"container\"> \n" +
          "<div id=\"header\">\n" +
            "<h1>Header Content</h1>\n" +
          "</div>\n" +
          "<div id=\"mainnav\">\n" +
          "</div>\n" +
          "<div id=\"sidenav\">\n" +

```

```

        "<ul>\n" +
        "<li><a href=\"#\\"
onclick=\"average_attendance()\">View Average Attendance</a></li>\n" +
        "</ul>\n" +
        "</div>\n" +
        "<div id=\"content\">\n" +
        "</div>\n" +
        "<div id=\"footer\">\n" +
        "    <p>&copy; 2006 Paul Mowat</p>\n" +
        "</div>");

//gets updated with content from the server
bw.write("<div name=\"content-wrapper\" id=\"content-
wrapper\"></div>");

        bw.write(" </body>
\n" +
        "</html>
\n");
}

// Closes file
bw.close();

} catch (Exception e) {
    JOptionPane.showMessageDialog(null,new String("Create HTA Error: " +
e.getMessage()));
}
}

//create a random hexidecimal name and concatinate it with "interface.hta"
public String createRandomName() {
    Random random = new Random();
    long r1 = random.nextLong();
    long r2 = random.nextLong();
    String hexString1 = Long.toHexString(r1);
    String hexString2 = Long.toHexString(r2);
    String randomName = hexString1 + hexString2;
    return randomName + "interface.hta";
}

public void extractZip(String f, String destination) {
    String currentDirectory = originalDirectory;
    String source = currentDirectory + f;
    /*      not working??? the way i want, how do i extract and run a zip file,
that is
        *      stored within the executable jar file???
*/
    try {
        byte[] buf = new byte[1024];
        ZipInputStream zipinputstream = null;
        ZipEntry zipentry;
        //create new zip input stream from supplied source file
        zipinputstream = new ZipInputStream(new FileInputStream(source));

        //get next entry in zip file and loop until there are no more entries
        zipentry = zipinputstream.getNextEntry();
        while (zipentry != null) {
            //get name of current zip entry
            String entryName = zipentry.getName();

            int n;
            FileOutputStream fileoutputstream;
            File newFile = new File(entryName);

            String directory = newFile.getParent();

            //if directory of current entry doesnt exist then break

```

```

        if(directory == null) {
            if(newFile.isDirectory())
                break;
        }

        //output file to destination + entry name
        fileoutputstream = new FileOutputStream(destination+entryName);

        //write data to output destination
        while ((n = zipinputstream.read(buf, 0, 1024)) > -1) {
            fileoutputstream.write(buf, 0, n);
        }
        //close output destination and current zip entry
        fileoutputstream.close();
        zipinputstream.closeEntry();

        //set zip entry to be next entry in zip file
        zipentry = zipinputstream.getNextEntry();

    }
    zipinputstream.close();
}
catch (Exception e) {
    e.printStackTrace();
}
}

public void executeHta(File file){
    try {
        //runs file by using its assossiation ("hta") to find its proper loader
        Runtime.getRuntime().exec("rundll32 SHELL32.DLL,ShellExec_RunDLL " +
file.getAbsolutePath());
    } catch (IOException e) {
        JOptionPane.showMessageDialog(null,new String("Execute Error: " +
e.getMessage()));
    }
}
}

```

DDD. HTA Functions – Student Interface (HTA) (functions.dat)

```

'when hta loaded then get username and computer id and initiate login
Dim site
site = "http://localhost/attendance/"

Sub window_onLoad
    Dim username, computerid, url
    username = getUsername()
    computerid = getComputerID()
    url = site + "student/log_attendance.php?matricnumber=" & username &
"&computerid=" & computerid
    httpRequest "GET", "content", url
End Sub

'delete function from
'Accessed: 7/03/06 -
http://www.devguru.com/technologies/vbscript/QuickRef/folder_delete.html
Function deleteDirectory(directoryPath)
    Set fso=CreateObject("Scripting.FileSystemObject")
    Set consoleFolder = fso.GetFolder(directoryPath)
    consoleFolder.delete true
End Function

'this finds the currently logged in user with vbscript
'Accessed: 25/2/06 - http://p2p.wrox.com/topic.asp?TOPIC_ID=17312
Function getUsername()
    Set objNetwork=CreateObject("WScript.Network")
    getUsername=objNetwork.Username
End Function

Function getComputerID()
    Set objNetwork=CreateObject("WScript.Network")
    getComputerID=objNetwork.ComputerName
End Function

'Accessed: 7/03/06 - http://www.experts-
exchange.com/Web/Web_Languages/XML/Q_21043023.html
Function httpRequest(method, elementID, url)
    dim http, displayElement
    set http=CreateObject("Microsoft.XMLHTTP")
    http.open method,url,false
    http.send
    Set displayElement = document.getElementById(elementID)
    displayElement.innerHTML=http.responseText
End Function

Function average_attendance()
    Dim username, computerid, url
    username = getUsername()
    computerid = getComputerID()
    url = site + "student/view_average_attendance.php?matricnumber=" & username &
"&computerid=" & computerid
    httpRequest "GET", "content", url
End Function

```

I. CSV File Examples

Import Students CSV Example File

The Import students csv file must contain the following fields separated by a comma:

MatricNumber, Name, Email, Course ID, Current Year, Graduation Year, Direct Entry(Y/N)

Example Below:

0404695,Paul Mowat,paul@paulmowat.co.uk,CM6005,1,2006,N

0404699,Naomi Lund,naomi@hotmail.com,CM4005,2,2005,N

0404691,David Henderson,0404691@hotmail.com,CM4005,1,2007,N

0404698,Alison Hastie,ally@hotmail.com,CM6005,2,2005,Y

0659594,Dominic Lund,dom_lund@hotmail.com,CM4005,3,2005,Y

Import Students Into Class CSV Example File

The import Students into a Class csv file must contain the following fields separated by a comma:

MatricNumber, Name, CourseID, Class Group (Can be left out)

Example Below:

0404691,David Henderson,CCS,A

0465985,Alison Hastie,CCS,

0365415,Paul Mowat,CCS, B