Placement Management System

Dr C. Turner, Dr G. Crawford, Mr D McGivern, Mr R. Laird

University of Ulster

5th September 2005
The Placement Management System (PMS) originated from the School of Electrical and Mechanical Engineering. Despite a number of innovations in practice by Mr Laird within the school, several remaining problems prompted its initial development:

**Problems with non web enabled database**

1. Students created and submitted their CVs early in the year, leaving them “frozen in time”;
2. Lists were produced for each company, and students had to regularly travel in to review the notice board;
3. The process was slow;
4. Valuable academic time was diverted from more useful activity.
Origins

We began to explore the possibility of online solutions to these problems.

**Timeline of development**

1. In 2000/2001 Dr Turner plans and supervises a final year student project to investigate the feasibility;
2. The project is successful and Dr Turner develops the first release of the software for use in 2001/2002;
3. The system is augmented continuously and in 2002/2003 dissemination leads to plans for integration with WebCT and the forthcoming PDP System.
Outline

1. History
2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff
3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback
4. Future Plans

Turner et al. Placement Management System
Features
Students (preplacement)

The PMS isn’t the only system to support placement preparation.

Other Resources

- A great deal of resources are made available to the students using WebCT, in the form of generic briefing materials about placement, and in many cases course specific material.

- The PDP System is extremely useful in capturing information that will help the student in placement, for example, CV creation and goal setting.

- The PMS allows transparent access to students from both these systems (no additional login required).
Key features for Students

- Students can review and enter information around the clock and from any location.
- Students can edit their CVs online, and update them constantly (this is now a feature of the PDP System);
- Students can very flexibly search for and view company and vacancy details, and apply to vacancies by “attaching” a CV and a cover letter if they wish;
- Students can easily see which companies and/or vacancies have been added or altered in a given time period or since their last visit.
Key features for Students ... continued

Students can access relevant resources placed online for them. These resources can be in a general area added by administrators, or could be “company resources”, uploaded by a company for any purpose. Careful security is applied to uploaded files.
Features
Placed Students

Students on placement will also use the system.

Features for placed students

- to read important announcements;
- to obtain information on assessment, health and safety etc.;
- to see the results of assessments recorded in the system;
- to fill in evidence of their health and safety compliance.
- In addition they will also obtain information on their academic tutor, including a photograph and their contact details.
Welcome Dr. Colin Turner
Placement Information

Congratulations, you are considered to be placed with the organisation detailed below.
If the information does not show the start date, salary and type of work you are to advise your Placement Tutor soonest.
You are asked to follow the instructions relating to this placement.

As you are now placed, you will not be able to apply for additional companies, and other companies which you have applied for will not be able to see the contents of your CV on this system.

R J Laird
Industrial Placement Coordinator
School of Electrical and Mechanical Engineering

Company: Test Company
Start date: 2005-10-28
End date: 2006-10-19
Position: Mechanical Engineer

Currently Selected Companies:
- Mechanical Engineer, Test Company, nowhere
- Test Electrical Engineer (do not select), Test Company, nowhere

You have currently selected 2 companies out of your allocation of 55.
No new vacancies since your last visit.

Modified Vacancies
The following vacancies have been modified since your last visit.

- Student Placement (UU - Knowledge Transfer Partnership Office)
Student Vacancy Search

Company / Vacancy Browser

Search criteria
Keyword (if any) test
For placement in 2005

Search Companies
Search Vacancies
Show "closed" vacancies

Activity Types
Biomedical Engineering
Business and Management
Computer Science
Design/Consulting
Electrical Engineering
Electronics/Computing
Manufacture/Operations
Mathematics and Statistics
Mechanical Engineering
Multimedia and Web Design
Software Engineering

Sort criteria
Name
Locality

PLACEMENT MANAGEMENT SYSTEM
For placement enquiries please email: Dr. C. R. Turner
To discuss technical problems with this website, please email: Dr. C. R. Turner

Compile time: 0.10 seconds
### Student Vacancy Search

#### Placement Management System

<table>
<thead>
<tr>
<th>Placement Student</th>
<th>Company Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERN</td>
<td>Geneva</td>
<td></td>
</tr>
<tr>
<td>TCS Solutions</td>
<td>Belfast</td>
<td></td>
</tr>
<tr>
<td>FileNet</td>
<td>Dublin 3</td>
<td></td>
</tr>
<tr>
<td>XILINX Ireland Ltd</td>
<td>Co Dublin</td>
<td></td>
</tr>
<tr>
<td>Connect Global Solutions</td>
<td>Dublin 15</td>
<td></td>
</tr>
<tr>
<td>IBM</td>
<td>Dublin</td>
<td></td>
</tr>
<tr>
<td>Internet Solutions</td>
<td>Belfast</td>
<td></td>
</tr>
<tr>
<td>NSoft</td>
<td>Belfast</td>
<td></td>
</tr>
<tr>
<td>Segue Software Inc</td>
<td>Belfast</td>
<td></td>
</tr>
</tbody>
</table>

There are 17 vacancies in this listing.

#### Companies

<table>
<thead>
<tr>
<th>Name</th>
<th>Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Zinc IT Ltd</td>
<td>Co Antrim</td>
</tr>
<tr>
<td>Dept for Transport</td>
<td>East Sussex</td>
</tr>
<tr>
<td>Microsoft</td>
<td>Dublin</td>
</tr>
<tr>
<td>Mindready Solutions (NI) Ltd</td>
<td>Co Antrim</td>
</tr>
<tr>
<td>Motorola Precision Engineering Ltd</td>
<td>Co Londonderry</td>
</tr>
<tr>
<td>Newell &amp; Budge</td>
<td>Belfast</td>
</tr>
<tr>
<td>Nitronica Ltd</td>
<td>Co Down</td>
</tr>
<tr>
<td>Test Company</td>
<td>nowhere</td>
</tr>
</tbody>
</table>

There are 8 companies in this listing.
Here is a list of your applications to companies. This page gives you information about whether a company has seen your application yet, and when they last looked at it.

It is also possible to update your cover letter and preferred CV.

<table>
<thead>
<tr>
<th>Mechanical Engineer</th>
<th>Test Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Location</td>
<td>nowhere</td>
</tr>
<tr>
<td>Application date</td>
<td>2004-10-20 16:17:20</td>
</tr>
<tr>
<td>Preferred CV template</td>
<td>The Placement CV</td>
</tr>
<tr>
<td>Status</td>
<td>missed interview</td>
</tr>
<tr>
<td>Last viewed</td>
<td>2005-02-15 23:42:22</td>
</tr>
<tr>
<td>Cover Letter?</td>
<td>Covering letter supplied</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Electrical Engineer (do not select)</th>
<th>Test Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Location</td>
<td>nowhere</td>
</tr>
<tr>
<td>Application date</td>
<td>2005-01-22 08:31:28</td>
</tr>
<tr>
<td>Preferred CV template</td>
<td>The Placement CV</td>
</tr>
<tr>
<td>Status</td>
<td>seen</td>
</tr>
<tr>
<td>Last viewed</td>
<td>2005-02-15 23:42:22</td>
</tr>
<tr>
<td>Cover Letter?</td>
<td>Covering letter supplied</td>
</tr>
</tbody>
</table>
Outline

1. History
2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff
3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback
4. Future Plans
Features
Company Contacts

Key Features for Company Contacts

- Contacts can edit their own contact information to help keep it current;
- They can also edit information about the company and any vacancies, producing much richer and current information, and a sense of ownership for the company;
- Companies can decide to allow online applications (the great majority do), or to require their own dedicated application procedure.
Key Features for Company Contacts ... continued

- Contacts can see relevant resources made available to them, and companies have space allocated for resources they wish to make available;

- Contacts can view all students that have applied for vacancies, together with information on their availability, application time, cover letters, attached CVs etc.

- The list of student applications is triaged into those students who they have placed with themselves, those students still available, and those students who are no longer available.
## Test Company

**Student List for placement in (2005 - 2006)**

<table>
<thead>
<tr>
<th>Basics</th>
<th>Activities</th>
<th>Contacts</th>
<th>Students</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To see students seeking placement starting in a different year click here: 2005 Submit

**Students still available**

**Blurred to protect the innocent**

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialisation</th>
<th>Status</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Ronald Laird-Six</td>
<td>BEng (Hons) Electronic Systems + DIS</td>
<td>unseen</td>
<td>More...</td>
</tr>
<tr>
<td></td>
<td>Status: unseen</td>
<td>Update</td>
<td></td>
</tr>
</tbody>
</table>

**Vacancy:** Mechanical Engineer (closed)

**Vacancy:** test (closed)

**Vacancy:** Test Electrical Engineer (do not select) (closed)

**Company:** Test Company

<table>
<thead>
<tr>
<th>Vacancy</th>
<th>Company</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Engineer (closed)</td>
<td>Test Company</td>
<td>Show applications (1)</td>
</tr>
<tr>
<td>test (closed)</td>
<td></td>
<td>Show applications (0)</td>
</tr>
<tr>
<td>Test Electrical Engineer (do not select) (closed)</td>
<td></td>
<td>Show applications (3)</td>
</tr>
</tbody>
</table>

**NB:** Applications were made against companies in the past. Although it is still possible to see applications made directly against the company in future all applications will be made against specific vacancies.

Students marked as **changed** have had some alteration made to their application since you have last seen it.

For placement enquires please email: Mr R J Laird

To discuss technical problems with this website, please email: Dr C R Turner

Compile time: 0.18 seconds
## Resources Available

<table>
<thead>
<tr>
<th>Language</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Computing Schools Academic Visit Report</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Code Of Practice Handbook</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Guidance for Visiting Academics.pdf</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Health and Safety Checklist</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Health and Safety Employer’s Statement</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Placement Details Form</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Placement Snapshot.pdf</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Student Final Report Guidance</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Student Final Report Letter 04_05.pdf</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Student Work Summary</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Telephone Visit Form.pdf</td>
</tr>
<tr>
<td>English</td>
<td>Computing Schools Employer Final Assessment</td>
</tr>
<tr>
<td>English</td>
<td>Contact Information</td>
</tr>
<tr>
<td>English</td>
<td>Course - BEng (Hons) in Engineering</td>
</tr>
<tr>
<td>English</td>
<td>Course - BEng (Hons) in Mechanical Engineering</td>
</tr>
<tr>
<td>English</td>
<td>Course - BEng (Hons)/BEng in Electronics &amp; Software</td>
</tr>
<tr>
<td>English</td>
<td>Course - BEng (Hons)/BEng in Engineering Management</td>
</tr>
<tr>
<td>English</td>
<td>Course - BSc (Hons) in Biomedical Engineering</td>
</tr>
<tr>
<td>English</td>
<td>Course - BSc (Hons) in Internet and Communications Engineering</td>
</tr>
<tr>
<td>English</td>
<td>Course - BSc (Hons) in Technology &amp; Design</td>
</tr>
<tr>
<td>English</td>
<td>Course - BSc Honours Computing - Coleraine</td>
</tr>
<tr>
<td>English</td>
<td>Course - HND in Mechanical or Electrical Engineering</td>
</tr>
<tr>
<td>English</td>
<td>Course BSc Honours Computing and e-Business - Magee</td>
</tr>
<tr>
<td>English</td>
<td>Course BSc Honours Computing Science - Magee</td>
</tr>
</tbody>
</table>
We require an electronic engineer to assist in our project for tracking Aardvarks in the wild. The ideal applicant should have

- an interest in wildlife;
- experience in portable transmitters.

In case you didn't guess, this is a test vacancy. Please do not apply.
Outline

1. History

2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff

3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback

4. Future Plans
Both academic and clerical staff administer the PMS, and we will use the term administrator for both here. Administrators can access, view and edit information as all other users, based on strict access controls. This enables them to “see” what their supported users “see”.

Features for administrators

- When these users first login, they see all the recently changed / created companies and vacancies. Like other users they can examine any vacancy on the system.
- Of course, they can also search for vacancies via flexible forms.
Welcome

Welcome. You are a super-admin user on this system (root user). Be aware that you can perform almost any action on the database with this user, including unforeseen ones. You should not use a user of this power without appropriate training.

New Vacancies

The following vacancies have been added in the last 7 days.

- Design Engineer (Fluid Controls Ltd)
- Placement Student (Intraductions Ireland Ltd)
- Placement Student (Omagh College of Further Education)
- Placement Student (St Patricks & St Brigids College)
- Design Engineer (Fortress Industries Ltd)
- Network Support Officer (Northern Ireland Tourist Board)

Modified Vacancies

The following vacancies have been modified in the last 7 days.

- R&D Assistant (Heartsine Technologies Ltd)
- Systems and IT (hpec)
- Placement Student (SDC Trailers Ltd)
- Placement Student (Omagh College of Further Education)
- Network Support Officer (Northern Ireland Tourist Board)

New companies

These companies have been added in the last 7 days.

- Fluid Controls Ltd, Co Donegal
- Introductions Ireland Ltd, Co.Tyrone
- St Patricks & St Brigids College, Claudy

Modified companies

These companies have been modified in the last 7 days.

- Fortress Industries Ltd, Co Antrim
- Omagh College of Further Education, Co Tyrone
## Vacancy Details
### Network Support Officer

<table>
<thead>
<tr>
<th><strong>Company</strong></th>
<th>Northern Ireland Tourist Board</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Belfast, Belfast, (N Ireland)</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>open (Applications still allowed - see bottom of page)</td>
</tr>
<tr>
<td><strong>Application close date</strong></td>
<td>2006-09-16 17:00:00</td>
</tr>
<tr>
<td><strong>Start date</strong></td>
<td>2006-10-01</td>
</tr>
<tr>
<td><strong>Website</strong></td>
<td><a href="http://www.discovernorthernireland.com">www.discovernorthernireland.com</a></td>
</tr>
</tbody>
</table>

### Brief

**Specific Duties**

1. Assist in the development of a multimedia library
2. Produce examples of best practice in the creation of multimedia
3. Providing a tutoring service in the use of multimedia capturing devices
4. Participate in the local tourism industry awareness campaigns on the use of rich content.
5. Assistance with other areas of work where required.

### Education/Experience required

**Essential Criteria**

1. Experience in producing multimedia web content
2. Good knowledge of Microsoft Office Products
3. Knowledge of web technologies
4. Full clean driving licence and preferably access to a car

### No Smoking

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**Placement Management System**
Vacancies

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aardvark Trading Technician</td>
<td>Test Company</td>
<td>nowhere</td>
</tr>
<tr>
<td>Close date: Status:open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>Test Company</td>
<td>nowhere</td>
</tr>
<tr>
<td>Close date: 2005-10-14 14:00:00, Status:closed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test</td>
<td>Test Company</td>
<td>nowhere</td>
</tr>
<tr>
<td>Close date: 2005-04-19 17:00:00, Status:closed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Electrical Engineer</td>
<td>Test Company</td>
<td>nowhere</td>
</tr>
<tr>
<td>Close date: 2005-05-01 17:00:00, Status:closed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are 4 vacancies in this listing.

Companies

<table>
<thead>
<tr>
<th>Name</th>
<th>Locality</th>
<th>Last Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Company</td>
<td>nowhere</td>
<td>2005-06-28 21:54:29</td>
</tr>
</tbody>
</table>

There are 1 companies in this listing.

For placement enquiries please email: Mr R J Land
To discuss technical problems with this website, please email: Dr C R Turner

Compile time: 0.29 seconds.
Features for administrators

- On a big, multi school system it is important administrators only see what they need;
- Strict policy based security defines an upper limit on the allowed activities of a given admin user;
- In addition, admin users are limited to specified schools and / or courses (for which other policies can be defined if needed).
- Root users are above the security system, they create admin users and assign policies and can take all actions on all students unconditionally.
### Administrator Directory

**Root Users**

The following are root or super-admin users on the system. They have no defined default policy because they are not bound by the policy security system. Root users have access to all aspects of the system without limitation. Users should not be given root users without proper training and preferably experience with lesser users.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Last Access</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Ronald Laird</td>
<td>Placement Coordinator</td>
<td>2005-06-13 17:22:45</td>
<td>Edit</td>
</tr>
<tr>
<td>Dr. Colin Turner</td>
<td>Website Developer/Designer</td>
<td>2005-06-05 16:53:16</td>
<td>Edit</td>
</tr>
</tbody>
</table>

**Admin Users**

The following users are admin users on the system. The extent of their powers is determined by both their default policy, which defines a maximum upper bound on their powers, and any additional policy that might be enforced over a specific school or course. Admin users only have powers over the specific schools and courses they are granted power over.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Default Policy</th>
<th>Last Access</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Gillian Armstrong</td>
<td>Placement Tutor</td>
<td>Placement Tutor</td>
<td>2005-06-01 12:49:01</td>
<td>Edit</td>
</tr>
<tr>
<td>Mr. David Boland</td>
<td>Placement Tutor</td>
<td>Placement Tutor</td>
<td>2003-11-14 11:06:58</td>
<td>Edit</td>
</tr>
<tr>
<td>Mr. Terry Burke</td>
<td>Placement Tutor</td>
<td>Placement Tutor</td>
<td>2003-10-02 08:45:29</td>
<td>Edit</td>
</tr>
<tr>
<td>Miss Aine Burns</td>
<td>Placement Coordinator</td>
<td>Placement Coordinator</td>
<td>2005-06-13 16:22:33</td>
<td>Edit</td>
</tr>
<tr>
<td>Dr. Ronald Cole</td>
<td>Placement Tutor</td>
<td>Placement Tutor</td>
<td>2003-12-04 14:47:35</td>
<td>Edit</td>
</tr>
<tr>
<td>Mrs. Rosin Coolaid</td>
<td>Careers Service</td>
<td>Viewer</td>
<td>2004-11-10 12:09:49</td>
<td>Edit</td>
</tr>
</tbody>
</table>
Features for administrators ... continued

- administrators can gather information on all students for which they have appropriate permissions;
- this can be on an individual or cohort basis;
- they can also export a spreadsheet of important statistics on a cohort for further or detailed analysis.
Administrator Student Status

Placement Management System

Student Directory
- Students
- Edit your CV
- View default CV
- View The Placement CV
- View Computing Schools CV
- Change Student Password
- Companies & Vacancies
- Applications
- Assessment
- Home Page

Administrators
- Student Directory
- Staff Directory
- Company Directory
- Contact Directory
- Add New Student
- Import Data
- Edit Courses
- Edit Help
- Edit Templates
- Edit Resources
- Edit Assessments
- Edit Admins
- View Logs
- System Status
- Home Page

Done

Placement System

Student: M C Finlayson (13434203)

Course: C331UJ BEng (Hons) Mechanical Engineering + DIS

Title: Mr

Firstname: C

Surname: Finlayson

Email: mcf@ulster.ac.uk

Course: C331UJ BEng (Hons) Mechanical Engineering + DIS

Year seeking placement: 2005

Terms agreed: Yes

Placement Status: Placed

Academic Tutor: No tutor selected

Last Access: 2005-02-23 16:58:56

Last viewed homepage: 2005-02-23 16:59:57

Submit Changes

Timeline

Student no: 13434203
Student Name: M C Finlayson

Photo
## Administrator Student Status

### Placement Information
- **Company**: Intel Ireland
- **Vacancy**: Mechanical Facilities Co-Op
- **Position**: Mechanical Facilities Co-Op
- **Start date**: 2005-06-01
- **End date**: 
- **Salary**: 
- **Work phone**:  
- **Work email**: 

### Assessment Information

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Assessor</th>
<th>Weighting</th>
<th>Percentage</th>
<th>Aggregate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Report</td>
<td>Academic Tutor</td>
<td>15%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Final Visit</td>
<td>Academic Tutor</td>
<td>15%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Industrial Report</td>
<td>Industrial Supervisor</td>
<td>30%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Placement Report</td>
<td>Unknown</td>
<td>25%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Presentation</td>
<td>Unknown</td>
<td>15%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>First Visit</td>
<td>Academic Tutor</td>
<td>6%</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>100%</td>
<td>--</td>
<td>0%</td>
</tr>
</tbody>
</table>

### Other assessors
- **Placement Report**: No assessor selected
- **Presentation**: No assessor selected

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Administrator Student Lists

Placement Management System | Student Directory | Mozilla Firefox

- Student no: 16269201, Student Name: [Name], Student Status: Required
- Student no: 15488208, Student Name: [Name], Student Status: Required
- Student no: 15176304, Student Name: [Name], Student Status: Required
- Student no: 12769903, Student Name: [Name], Student Status: Required
- Student no: 14945503, Student Name: [Name], Student Status: Required
- Student no: 14211603, Student Name: [Name], Student Status: Required
### Administrator Student Lists

The Placement Management System allows administrators to view and manage student placement details. Here is a sample of student records:

<table>
<thead>
<tr>
<th>Student no.</th>
<th>Student Name</th>
<th>Placed</th>
<th>Edit</th>
</tr>
</thead>
<tbody>
<tr>
<td>12000703</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13409103</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12766403</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13571303</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13131502</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11927008</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Each record includes a unique student number, their name, the date they were placed, and an option to edit the record.
Features for administrators ... continued

- at a glance the system status page reveals a great deal of information about the most recent usage of the system.
**User Status**

Show the last 10 visitors in each category. **Submit Query**

**Super Admin Users (root)**

There are 2 super admin (root) users in the database, which are all listed below for security reasons.

<table>
<thead>
<tr>
<th>Username</th>
<th>Real name</th>
<th>Last access</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>colin</td>
<td>Dr. CR Turner</td>
<td>2005-09-05 16:55:54</td>
<td>Website Developer / Designer</td>
</tr>
<tr>
<td>abacus</td>
<td>Mr. RJ Laird</td>
<td>2005-06-13 17:22:45</td>
<td>Placement Coordinator</td>
</tr>
</tbody>
</table>

**Admin Users**

There are 35 admin users in the database, which are all listed below for security reasons. These admin users can be limited by policy decisions.

<table>
<thead>
<tr>
<th>Username</th>
<th>Real name</th>
<th>Last access</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>ds_01</td>
<td>Mr. Demo Admin</td>
<td>2005-06-14 14:58:45</td>
<td>Demo Admin User</td>
</tr>
<tr>
<td>robinson</td>
<td>Mr. Ray Robinson</td>
<td>2005-06-13 16:47:34</td>
<td>Placement tutor</td>
</tr>
<tr>
<td>amcoughley</td>
<td>Mr. Aiden McLaughley</td>
<td>2005-06-13 16:33:27</td>
<td>Placement tutor</td>
</tr>
<tr>
<td>aime</td>
<td>Miss Aine Bums</td>
<td>2005-06-13 16:22:33</td>
<td>Placement Coordinator</td>
</tr>
<tr>
<td>addonnel</td>
<td>Dr. Aidan O'Donnell</td>
<td>2005-06-10 13:54:16</td>
<td>Placement Tutor</td>
</tr>
<tr>
<td>victoria</td>
<td>Miss V. Devenney</td>
<td>2005-06-09 16:10:22</td>
<td>Placement Coordinator</td>
</tr>
<tr>
<td>sidaly</td>
<td>Ms. Sheila Daly</td>
<td>2005-06-06 14:53:12</td>
<td>Placement tutor</td>
</tr>
<tr>
<td>nevans2</td>
<td>Dr. Noel Evans</td>
<td>2005-06-04 19:40:00</td>
<td></td>
</tr>
</tbody>
</table>
Features for administrators ... continued

- the system can create reliable record keeping by its main functionality, automated logging and a facility of notes that can be created but never deleted nor edited.
Administrator Log Viewer

Placement Management System

Log Viewer

Log File
This specifies which file you wish to examine. There is a separate log for general access, admin usage, and reporting potential security breaches. There is also a log for recording debug information, but this isn't necessarily for general usage.

Instructions
The placement system creates several log files in the course of its normal operation. These files are written to disk, but this utility allows limited viewing of these files.

Search
You may wish to restrict output to show only lines that match a certain criterion. To do this enter the expression in this field, which may be a regular expression. If the field is blank then all lines will be matched.

Lines
The number of lines of output are also limited, by default to 100, but this can be varied. The most recent lines are always displayed.
Administrator Log Viewer

Log Viewer

Log File | General access | Search | Lines | Submit
--- | --- | --- | --- | ---
Access
85 Sep 14:28:29 [13568303] company Fortess Industries Ltd examined.
85 Sep 14:28:45 [13568303] company Northern Ireland Tourist Board examined.
85 Sep 14:29:22 [14898609] company NI Civil Service examined.
85 Sep 14:31:06 [13568303] company Moffett & Sons Ltd examined.
85 Sep 14:31:37 [13568303] company Moffett & Sons Ltd examined.
85 Sep 14:32:33 [13568303] company Northern Ireland Tourist Board examined.
85 Sep 14:35:36 [victoria] Contact details for Northern Ireland Tourist Board viewed.
85 Sep 14:36:19 [victoria] Basic details for Mr Martin Graham viewed.
85 Sep 14:36:23 [victoria] Basic details for Mr Martin Graham viewed.
85 Sep 14:36:47 [victoria] company search performed.
85 Sep 14:36:53 [victoria] company search performed.
85 Sep 14:39:50 [18729993] Login via WeCCT.
85 Sep 14:40:11 [18729993] company St Patricks & St Brigids College examined.
85 Sep 14:40:26 [18729993] company Fortess Industries Ltd examined.
85 Sep 14:40:34 [18729993] company Northern Ireland Tourist Board examined.
85 Sep 14:41:43 [18729993] Login via WeCCT.
85 Sep 14:42:26 [18729993] company search performed.
85 Sep 14:44:33 [18729993] company Introductions Ireland Ltd examined.
85 Sep 14:45:43 [31782904] login failed.
85 Sep 14:51:64 [31782904] login failed.
85 Sep 14:52:00 [14515104] Login via PSSTicket.
<table>
<thead>
<tr>
<th>Log Time</th>
<th>User</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 Aug 12:39:29</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 12:41:18</td>
<td>[abacus]</td>
<td>Student Miss Z Uidhrumnibh7g set to placed with Little fuse Ireland Ltd (Design &amp; Process Engineering)</td>
</tr>
<tr>
<td>31 Aug 12:44:52</td>
<td>[abacus]</td>
<td>Place ment information updated for Mr. R. Wilson</td>
</tr>
<tr>
<td>31 Aug 12:46:57</td>
<td>[victoria]</td>
<td>Assessment sheet launched on student directory</td>
</tr>
<tr>
<td>31 Aug 12:48:19</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:19:48</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:19:51</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:20:11</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:20:31</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:21:10</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:21:41</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 13:21:56</td>
<td>[abacus]</td>
<td>advanced search launched on student directory</td>
</tr>
<tr>
<td>31 Aug 16:02:43</td>
<td>[victoria]</td>
<td>Placement information updated for Mr. R. Wilson</td>
</tr>
<tr>
<td>31 Aug 16:19:23</td>
<td>[victoria]</td>
<td>Student Mr. M Hughes set to placed with Anne Creative (Placement position)</td>
</tr>
<tr>
<td>31 Aug 16:28:57</td>
<td>[victoria]</td>
<td>Student Mr. M Hughes set to placed with Introductions Ireland Ltd (Placement Student)</td>
</tr>
<tr>
<td>31 Aug 21:35:10</td>
<td>[excamuughy]</td>
<td>Assessment sheet launched on student directory</td>
</tr>
<tr>
<td>31 Aug 21:59:22</td>
<td>[victoria]</td>
<td>Student Mr. C. McGaray set to placed with NI Civil Service (ICT Placement Students)</td>
</tr>
<tr>
<td>31 Aug 21:59:44</td>
<td>[victoria]</td>
<td>Placement information updated for Mr. C. McGaray</td>
</tr>
<tr>
<td>31 Aug 14:15:29</td>
<td>[robinson]</td>
<td>Updated status (To final year, 2005) for student Miss Z Uidhrumnibh7g</td>
</tr>
</tbody>
</table>
Features for administrators ... continued

- resources can be uploaded or manipulated;
- automated mail templates may be edited (which the system used periodically for predefined events);
- assessments can be edited to allow for staff to record them on the system.
Edit Mail Template

CompanyOnClosed

Language is English

Lookup: CompanyOnClosed

Description: Sent to listed contact when a vacancy closes

From: Colin Turner <c.turner@ulster.ac.uk>

To: %firstname% %surname% <%email%>

CC:

BCC: Colin Turner <c.turner@ulster.ac.uk>, Ron Laird <r.laird@ulster.ac.uk>

Subject: UU PMS: One of the your vacancies has closed

Dear %title% %surname%,

This is an automated message from the industrial placement system for %conf_institution%:

%conf_website%

One of your vacancies listed on our system has just closed. If you wish to reopen it, please set a new closing date and change the status to “open” to allow automated applications, or “special” if you only allow applications via some other means.

Vacancy

........

Contents: %custom_vacancydetails%

Company

........

Done
Outline

1. History
2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff
3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback
4. Future Plans
Other academic staff use the system, for them the features are:

- an ability to maintain and update their contact information;
- they are able to view all contact information for students they are a tutor for, and also (if the assessment regime is defined) to assess the student online.
- they also have access to appropriate resources.

In addition course directors have access to the student information systems for students on their courses, allowing them to better manage their cohorts.
Outline

1. History
2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff
3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback
4. Future Plans
Resources Required

- the system is standards compliant, and will view in all compliant browsers, including text mode.
- developed with open source software, GNU/Linux, PHP, MySQL, Apache.
- designed to be lightweight (on resources) and efficient.
- can be run on hardware often discarded as obsolete (currently Pentium 200), soon to migrate.
Outline

1. History
2. Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff
3. Current Evaluation
   - Resources
   - Current Usage
   - Feedback
4. Future Plans
The system is used 24 hours a day, 7 days a week. Over the last year over 8 gigabytes of data was transferred. Currently the system supports the following, with many more to be added:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>1825</td>
</tr>
<tr>
<td>Staff</td>
<td>118</td>
</tr>
<tr>
<td>Administrators</td>
<td>32</td>
</tr>
<tr>
<td>Super Admin Users</td>
<td>2</td>
</tr>
<tr>
<td>Company Contacts</td>
<td>1425</td>
</tr>
<tr>
<td>Total Users</td>
<td>3400</td>
</tr>
<tr>
<td>Companies</td>
<td>1213</td>
</tr>
</tbody>
</table>
| Vacancies            | 435   | (New)
Outline

1 History

2 Main Features
   - Students
   - Company Contacts
   - Administrators
   - Other Academic Staff

3 Current Evaluation
   - Resources
   - Current Usage
   - Feedback

4 Future Plans
The system has been well received by all stakeholders. Constructive criticism has been received as well, and this has led to major improvements in the system. The University of Ulster cited the system in its recent (April 2005) QAA institutional audit SED as an example of best practice. The audit team requested a live demonstration of the system.
“The support offered by the placement web site is exceptional; it is simple to use, very efficient and dependable. It is very reassuring to know that the staff behind the system are so dedicated and competent. This service in my opinion is invaluable, without it I think many students would have great difficulty in securing so many places in industry. In making relations and communication easier and faster between prospective employers and students the site portrays a very professional attitude, which is in my opinion, gives UUJ students an immediate edge.”

Turner et al. Placement Management System
“I would like you to know that I feel the website is more than sufficient and useful while on our placement and provides us with ample information to complete the tasks required.”
Academic Tutor

“I am the Academic tutor for 3 students on placement. I have used the new system and have noted the following; 1. the system is fast, user friendly and provides all the information that I need to make contact with the student, the employing organisation and the industrial contact. 2. all the necessary information is also provided in relation to assessment procedures, timescales, deadlines etc. I find this facility particularly useful.”
“I only used the web the once yesterday and I thought it was very good. Easy to use and very straightforward, and believe me it would need to be for someone like me. Very user friendly.”
“I have found the web-based system a valuable tool in assisting in gaining visibility of the course content, grades and ambitions of students seeking placement opportunities. The system also provides my company, as employer, with the information required to ensure the students’ requirements are met by the placement position. I would recommend that all students seeking placement opportunities and their resultant placement employers have access to this or a similar resource. It has provided our company with the visibility we needed while removing the leg work of recruiting.”
There is still a great deal planned for the future development of the system. For example:

- further adapting the system to deal with diverse practice as it is required by different faculties, schools and courses;
- closer integration with the WebCT and PDP Systems;
- restructuring of existing code towards an improved framework agreed by developer meetings;
- extensions to the existing automated email systems;
- improvements in the scalability of the system.