

# Virtual DBA, Inc.

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<http://www.virtualdba.com>  
800-210-0217

## **College Management Software System**



## College Management Software System

### **Highlights**

**Encompasses all major administrative services. From pre-admissions to degree audit.**

**Easy to use applications. No computer codes mean faster training.**

**Deploy applications in client-server environment or web-based. Or mix and match.**

**Cooperative development and complete source code mean your institution controls the final project.**

**Cooperative development allows radically lower prices than previously available packages.**

**Fourth generation tools for rapid deployment and integrated database access.**

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## **Technology Objectives**

**Use latest generation technology for maximum price/performance**

**Use relational database for improved flexibility**

**Use plain-text for all fields - no computer codes**

**Base system on "open" standards (TCP/IP, Unix, SQL, etc.)**

**Deliver services to users' desktops**

**Integrate disparate services into one system**

**Interoperate with third party software for querying and reporting**

# Admissions

- a) Online admissions forms
- b) On-site, immediate admissions
- c) Application tracking (graduate and undergraduate)
- d) Prospective student query and tracking

The screenshot shows a software window titled "ADMISSION\_CRITERIA\_FORM - [ ]". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". The main area is titled "Admission Criteria" and contains the following fields and sections:

- Current Semester:** A dropdown menu set to "SPRING".
- Year:** A text input field containing "2000".
- Date:** "25-JAN-2000".
- Sample:** "SAMPLE".
- Admission Criteria Types:** A section with two text input fields:
  - Criteria Name:** "SAT Math Score".
  - Comment:** "Importance multiplied by score".
- Criteria Importance:** A table with two columns: "Importance" and "Note".

Importance	Note
10	
- Unit Name:** A list box containing "State of the Art University".

At the bottom, there are several buttons: "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit", "Enter Query", "Execute Query", "Count Hits", "Cancel Query", and "Commit". A status bar at the very bottom indicates "Transaction complete: 1 records applied and saved." and "Record: 1/?".

## Admission Criteria Form

This screen is for creation of a set of criteria that can be used during admissions to rank applicants. For each criteria enter a name and any notes or explanations about the use of this criteria. In the second block select the school or department for which this criteria must be tracked during the admission process. Add the importance of this criteria to acceptance and any additional notes. This list will be used to calculate an overall score for the applicant. If the criteria is required by all departments chose the college as the department having the requirement.

## Section Creation and Room Assignment

- a) Interactive section creation
- b) Special event scheduling
- c) Software for batch room assignment

The screenshot shows a software window titled "ROOMS\_FORM - []". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". The main area is divided into several sections:

- Rooms:** "Current Semester" is set to "SPRING", "Year" is "1998", and the user is "ROBERT".
- Buildings:** "Building Code" is "B", "Building Name" is "Baskerville Hall", "Campus Site" is "Main", and "Legacy Code" is "3005".
- Classrooms:**
  - Room Availability:** "Room ID" is "01", "Seats" is "40", "Fill Ratio" is ".67", "Semester" is "Any Semester", "Year" is "9999", and "Available" is "No".
  - Partition:** "Number" is "11", "Semester" is "Any Semester", "Year" is "9999", and "Name" is "Asian Studies".
  - Notes:** Contains the text "REC".

At the bottom, there are several buttons: "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit", "Enter Query", "Execute Query", "Count Hits", "Cancel Query", "Other Forms" (dropdown), and "Commit". A status bar at the very bottom indicates "The abbreviation used to refer to the building. E.g. NAC" and "Record: 2/?".

### Sample Room Form

This screen is for updating information about rooms at the college. The first block is for query of building information including abbreviation, name and site. The second block is for entry of room information. Data about the room size and number of seats can be entered. In addition each room must be assigned to one campus partition. This information is used when selecting rooms for a specific class section. Sections can be preferentially assigned within a set of rooms all belonging to a single partition. Enter a fill-ratio such as .75 and the number of seats

## Course Creation (Programs and Curricula)

- a) Tracking changes in programs and course content
- b) Creation of requirements (pre or co-requirements)
- c) Planning and recording of degree programs
- d) Planning and recording of special programs

The screenshot shows a window titled "CREATE\_NEW\_COURSE\_FORM - [ ]" with a menu bar (Action, Edit, Query, Block, Record, Field, Window, Help) and a toolbar. The main area is titled "Create New Courses" and contains the following fields and controls:

- Current Semester:** SPRING
- Year:** 1998
- Approval Date:** 05-SEP-1999
- User:** ROBERT
- Course ID:** 8789
- Title:** American Studies II
- Sponsoring Dept.:** American Studies
- Approval Date:** (empty)
- Start:**
  - Semester: Fall Semester
  - Year: 1997
- End:**
  - Semester: (empty)
  - Year: (empty)
- Characteristics:**
  - Level: Undergrad
  - Type: Regular course
  - Difficulty: (empty)
- Description:** The second of the two required core courses in American Studies builds upon the skills developed in American Studies I through its consideration of urban theory, urban social investigation, urban history, and urban literature. It gives special emphasis to the cultural and

Below the form, there is a prompt: "Enter at least one component and listing on page two".

Navigation and action buttons include: Prev Block, Next Block, Prev Record, Next Record, Clear Record, Erase Record, Exit, Enter Query, Execute Query, Count Hits, Cancel Query, Other Forms (dropdown), and Commit.

At the bottom, there is a status bar: "The full descriptive name of the course" and "Record: 8/?".

### Create New Course Form

This screen allows creation and updates to the master list of courses. Functions that can be performed include creation of new courses, reformulation of existing courses and entering information about cross-listed courses. These functions are divided into three blocks. In the first block courses are defined. These can be linked to prior or subsequent versions of the course by navigating to the related other form. Note that courses cannot be deleted once they have been used for sections. This allows transcripts to be generated which show the correct course description as of the time when the course was offered. Courses can be marked as obsolete by entering an ending date.

In the second block individual components of a course are entered. This includes the type (Lecture, Lab, etc.) the number of classroom hours/week and the default section enrollment figures. At least one component must exist for each course.

In the third block additional details about the course are entered. This includes the number of credits and hours and the subject under which it is listed in the bulletin. At least one listing must exist for each course. Create cross-listed courses by entering additional records in this block. Courses which differ only in the number of credits or hours should also be defined here.

## Advisement and Student Services

- a) **Checking for eligibility and requirements for programs**
- b) **Degree audit checking**
- c) **Discipline, veteran, handicap, immigration, health and other personal information.**
- d) **Student housing assignment**

The screenshot shows a software window titled "ADVISEMENT\_EVENT\_FORM - [ ]". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". The main area is titled "Advisement Office Event" and contains the following fields:

- Current Semester:** SPRING
- Year:** 1998
- 05-SEP-1999**
- ROBERT**

**Students**

Student ID	Family Name	Full Name
2083100000	Student	John Q Student

**Advisement Events**

Event Name	Office Visit		
Date Posted	05-SEP-1999	Event Date	
Semester	Winter Session	Year	1998
Notes			

At the bottom, there are several control buttons: "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit", "Enter Query", "Execute Query", "Count Hits", "Cancel Query", "Other Forms" (dropdown), and "Commit". A status bar at the very bottom indicates "Additional comments about this event" and "Record: 1/1".



## Record Advisement Office Visit Form

This screen is to record details of visits to the Advisement Office. Details of when the visit was made and additional notes can be entered. Other types of events can be recorded as well

## Bursar

- a) Generation of student statements
- b) Accept and track payments
- c) Allocate receipts to appropriate accounts

The screenshot shows a software application window titled "STUDENT\_CHARGE\_FORM - []". The window has a menu bar with "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". Below the menu bar, the title "Student Charges and Credits" is displayed. The main area is divided into several sections:

- Current Semester:** FALL (dropdown), Year: 2000, Date: 14-OCT-1999, Name: ROBERT.
- Students:** Student ID: 208317114, Family Name: (Bracero), Full Name: (Bracero) Y (Bracero).
- Tuition History:** Invoice Number, Amount, Date Posted, Semester: Fall Semester, Year.
- Charges:** ID: 1000, Amount: 12.00, Posted Date: 14-OCT-1999, Semester: Fall Semester, Year: 2000, Current Record: Manual, Effective Date, Variable Fee: foo, Fixed Fee, Accel Fee.
- Credits:** ID: 1001, Amount: 11.00, Posted Date: 14-OCT-1999, Semester: Fall Semester, Year: 2000, Current Record: Manual, Effective Date, Variable Fee: Research Materials, Fixed Fee, Accel Fee.

At the bottom, there are several buttons: "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit", "Enter Query", "Execute Query", "Count Hits", "Cancel Query", "Other Forms" (dropdown), and "Commit". A status bar at the very bottom shows "Record: 1/?".

## Summary of Student Charges Form

This screen allows the creation of manual charges and credits for a student. Query for the student in block one. Add specific charges or credits into the lower blocks. Automatic payments are recorded elsewhere.

# Student History

- a) Grades
- b) Transcripts
- c) Academic History
- d) Immigration tracking (9/11)

The screenshot shows a software window titled "STUDENT\_GRADE\_LOOKUP\_FORM - [ ]". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help".

**Student Grades**  
Current Semester: SPRING    Year: 1998    24-SEP-1999    ROBERT

**Students**  
Student ID: 208313587    Family Name: Javier    Full Name: Javier Javier

**Student Grades**

Subj	Code	Subcode	Component	Section	Grade	Title
arch	363	1	Lecture	1E	B	Construction Technology II
arch	412	1	Lecture	N	A	Computers In Architecture 1
arch	413	23	Lecture	R	B	Teaching Architecture 1
arch	413	24	Lecture	Q	F	Teaching Architecture 2
arch	413	42	Lecture	P		American Architecture Theory
arch	413	48	Lecture	N	A	Computer Rendering
arch	482	0	Lecture	2W	C	History/Theory IV
u d	643	1	Lecture	1A		Real Estate Investment and Development

Navigation buttons: Prev Block, Next Block, Prev Record, Next Record, Clear Record, Erase Record, Exit, Enter Query, Execute Query, Count Hits, Cancel Query, Commit.

Student unique identifying number  
Record: 1/1

## Lookup Student Grades

This screen is for lookup of student grades. Select student in the first block. Examine grades in second block. Scroll sideways for additional information.

**INS\_CODES\_FORM - [ ]**

Action Edit Query Block Record Field Window Help

**INS Code References**

Current Semester  Year  05-SEP-1999 ROBERT

**INS code**

Alien Code	Meaning	Notes
<input type="text" value="A-1"/>	<input type="text" value="Diplomatic Officer"/>	<input type="text" value="Highest Diplomatic Officers &amp; their Families"/>
<input type="text" value="A-2"/>	<input type="text" value="Diplomatic Staff"/>	<input type="text" value="Staff under Diplomatic Officers &amp; their Families"/>
<input type="text" value="A-3"/>	<input type="text" value="Diplomatic Employee"/>	<input type="text" value="Employees of Diplomatic Staff and their Families"/>
<input type="text" value="B"/>	<input type="text" value="Temporary Visitor"/>	<input type="text" value="Temporary Visitors for business or pleasure"/>
<input type="text" value="C"/>	<input type="text" value="Visitor in Transit"/>	<input type="text" value=""/>
<input type="text" value="D"/>	<input type="text" value="Crewmen"/>	<input type="text" value=""/>
<input type="text" value="E-1"/>	<input type="text" value="Trade Alien"/>	<input type="text" value="Aliens entering US under treaty to carry on subs"/>
<input type="text" value="E-2"/>	<input type="text" value="Develop &amp; Direct Enterprise Alien &amp; Family"/>	<input type="text" value="Aliens entering US under treaty to develop &amp; dir"/>
<input type="text" value="F"/>	<input type="text" value="Academic Students"/>	<input type="text" value=""/>
<input type="text" value="G-1"/>	<input type="text" value="Principal Representative"/>	<input type="text" value="Principal representative of international organiza"/>
<input type="text" value="G-2"/>	<input type="text" value="Other Representative"/>	<input type="text" value="Other representative of international organizator"/>

Alien status Code from INS  
Record: 1/?

### INS Codes Authority Table

This screen is for entering the INS codes which designate a person's immigration status. Enter the INS code, for example H-4. Then enter a description and any clarifying notes. These codes are used as a reference for selecting appropriate documentation for an individual. This is a system setup form.

# Transfer Evaluation

- a) Intra-university articulation agreements
- b) Expandable database to other schools

**TRANSFER\_CREDIT\_GRANT\_FORM - [ ]**

Action Edit Query Block Record Field Window Help

**Grant Transfer Credit**

Current Semester  Year  09-SEP-1999 SAMPLE

**Students**

Student ID  Family Name  Full Name

**Transfer Evaluation**

Year Taken  Semester Taken   
Original Grade  Credits Granted   
Credit Type  Area

**Special Transfer**

Subj  Code  Subcode   
Title   
Original Credits  Authorized by

**Standard Transfer**

College  Credits  Dept Code   
Course Code  Title   
Notes

Prev Block Next Block Prev Record Next Record Clear Record Erase Record Exit  
Enter Query Execute Query Count Hits Cancel Query Other Forms Commit

Student unique identifying number  
Record: 1/1

## Grant Transfer Credit Form

This screen is to assign college credits to a transfer student. Select the student in block one. Then select the original course in block two. The equivalent course will be inserted when an articulation agreement is already in place. Make any adjustments to the credits to be granted.

Alternatively to make a special evaluation: select any course from the list of courses offered here. Add authorization and original credits.

# Registration Transactions

- a) Scheduling registration
- b) Online transactions
- c) Interface with bursar and financial aid

The screenshot shows a software window titled "ENROLL\_STUDENT\_FORM - [ ]". The menu bar includes Action, Edit, Query, Block, Record, Field, Window, and Help. The main area is divided into several sections:

- Enrollment:** Contains fields for Current Semester (FALL), Year (2000), a date (16-DEC-1999), and a name (ROBERT).
- Students:** Contains fields for Student ID (13), Family Name (Student), and Full Name (Sam Student).
- Sections Taken:** A table listing courses and their meeting times.
 

Course Line	Component Type	Meets At
Art 100.0 EA6 Introduction to the Visual Arts of the World	Lecture	Lecture: 06:10 PM - 08:00 P
Chemistry 330.0 H4 Physical Chemistry I	Lecture	Lecture: 04:00 PM - 04:50 P
Chemistry 330.0 H4 Physical Chemistry I	Laboratory	Laboratory: 04:00 PM - 04:50 P
English 1.0 G2D4 Basic Writing I	Lecture	Lecture: 02:00 PM - 03:50 P
History 124.4 G America Civilization 1	Lecture	Lecture: 10:25 AM - 11:40 A
- Buttons:** Includes "Print Bill", "Failure Reasons", "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit", "Enter Query", "Execute Query", "Count Hits", "Cancel Query", "Other Forms", and "Commit".
- Status:** A footer bar shows "Record: 1/1".

**Enrollment Form: Left side of form**

**ENROLL\_STUDENT\_FORM - [ ]**

Action Edit Query Block Record Field Window Help

**Enrollment**

Current Semester  Year  16-DEC-1999 ROBERT

**Students**

Student ID  Family Name  Full Name

**Sections Taken**

Course Line	Enrollment Type	Posted Date	Drop Reason
Art 100.0 EA6 Introduction to the Visual Arts of the World	Credit	16-DEC-1999	
Chemistry 330.0 H4 Physical Chemistry I	Credit	10-DEC-1999	Voluntary
Chemistry 330.0 H4 Physical Chemistry I	Credit	10-DEC-1999	
English 1.0 G2D4 Basic Writing I	Credit	16-DEC-1999	
History 124.4 G America Civilization 1	Credit	16-DEC-1999	

Print Bill Failure Reasons

Prev Block Next Block Prev Record Next Record Clear Record Erase Record Exit

Enter Query Execute Query Count Hits Cancel Query Other Forms Commit

Record: 1/1

### Enrollment Right side of form

This screen is for registering students in specific class sections. Query for the desired student in the first block. Use the list-of-values button to select the desired section in the second block. In the popup form select the specific course. For courses with multiple components select any component. All related components and linked courses will be copied into the enrollment form.

# Financial Aid

- a) Tracking student eligibility
- b) Database of aid sources for advisement

The screenshot shows a software window titled "AID\_HISTORY\_FORM - [ ]". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". The main title is "Financial Aid History & Eligibility".

**Current Semester:** SPRING  
**Year:** 1998  
05-SEP-1999 ROBERT

**Students**

Student ID	Family Name	Full Name
2083100000	Student	John Q Student

**Financial Aid History**

**Semester:** Fall Semester  
**Year:** 1998  
**Posted Date:** 05-SEP-1999

**Fund:** Federal Perkins Loan  
**Award Amount:** \$1500.00  
**Award Type:** Estimated Award

**Current Record:** Current  
**Eligible:** Yes

**Payment Number:** 3  
**Undergrad Payment Points:** [ ]  
**Grad Payment Points:** [ ]  
**Part Time Payment Points:** [ ]  
**Academic Progress Level:** [ ]  
**Program Pursuit Level:** [ ]

**Note:** [ ]

**Ineligibility History**

Reason	Note
[ ]	[ ]
[ ]	[ ]

**Buttons:** Prev Block, Next Block, Prev Record, Next Record, Clear Record, Erase Record, Exit, Enter Query, Execute Query, Count Hits, Cancel Query, Commit

**Status:** Grad Payment Points Accrued  
Record: 1/1

## Financial Aid History and Eligibility Form

This screen is for review and update of student's financial aid history. In block one select or enter details of awards. In block two select any reasons as to why the award was not granted.

## Management Reports

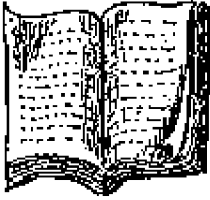
- a) Academic Planning
- b) Productivity and related personnel issues
- c) Integration with budgeting and fiscal planning

### Demographic Data State of the Art University

	Sex	F	M	
Ethnicity				
<b>American Indian, Native Alaskan</b>		13	19	<b>32</b>
<b>Asian or Pacific Islander</b>		681	1143	<b>1824</b>
<b>Black</b>		2393	1740	<b>4133</b>
<b>Chose not to Answer</b>		545	357	<b>902</b>
<b>Hispanic</b>		1918	1428	<b>3346</b>
<b>Puerto Rican</b>		261	117	<b>378</b>
<b>White</b>		582	723	<b>1305</b>
		<b>6393</b>	<b>5527</b>	<b>11920</b>

### Demographic Data by gender





Popular Prior Colleges  
State of the Art University

Report run on: December 9, 1999  
1:38 PM

<i>Name</i>	<i>Count</i>
Borough Manhattan Community College	174
Foreign Advanced Standing	110
Bronx Community College	81
Fiorello H. LaGuardia Community College	51
New York City Technical College	51
State of the Art University	51
Hunter College	37
Hostos Community College	32
Kingsborough Community College	29
Brooklyn College	27
Unknown	27
Herbert H Lehman College	22
Foreign	20
Baruch College	19
Queensborough Community College	17
College of Staten Island	15
John Jay College of Criminal Justice	14
Foreign No Advanced Standing	13
Medgar Evers College	11
Nassau Community Col	11

**Most popular prior college attended for transfer students**

# Integration with Personnel System

- a) Faculty Directories
- b) Office Information and email links

The screenshot shows a Windows-style application window titled "FACULTY\_DATA\_FORM - []". The menu bar includes "Action", "Edit", "Query", "Block", "Record", "Field", "Window", and "Help". The main area is titled "Faculty Personal Data" and contains the following fields and controls:

- Current Semester:** A text box containing "SPRING".
- Year:** A text box containing "1998".
- 05-SEP-1999** and **ROBERT** are displayed as static text.
- Faculty Section:**
  - Faculty Id:** Text box with "15449".
  - Family Name:** Text box with "Maria".
  - Full:** Text box with "Maria Maria".
- Faculty data Section:**
  - SS Number:** Text box with "154491021".
  - Birthday:** Empty text box.
  - Sex:** Dropdown menu with "Female" selected.
  - Exclude Listing:** Dropdown menu with "No" selected.
  - Handicap Section:**
    - Severity:** Empty text box.
    - Type:** Empty text box.

At the bottom of the form, there are two rows of buttons:

- Row 1: "Prev Block", "Next Block", "Prev Record", "Next Record", "Clear Record", "Erase Record", "Exit".
- Row 2: "Enter Query", "Execute Query", "Count Hits", "Cancel Query", "Commit".

At the very bottom, there is a status bar with the text "Faculty Family Name" and "Record: 1/?".

## Details about Faculty Form

This screen is for entry of data about faculty members. Names and other personal information can be recorded. Related screens permit entry of address and other information. Some of this information can appear on transcripts or in the course registration information.

## **Development Methodology**

- 1. Fourth generation tools for improved productivity – Fully Oracle based (Designer, Developer & DB)**
- 2. Tools provide for total life-cycle management**
- 3. Integrated database and client development using common tools**
  - a) Full documentation as integral part of development End user how to documentation**
  - b) Developer documentation for design decisions**
  - c) Project documentation for project status management**
- 4. Easier Maintenance (Normal cost is 20% development and 80% maintenance)**

## **COSTS**

**Our standard fee for licensing the run-time software is \$50 per student.**

**Restricted source code licensing is available at a negotiated price.**

**The minimum charge would be at the 500 student level (\$25,000).**

**Annual maintenance charges for updates and support are currently at 22% of license price.**

**Consulting and customization fees are currently \$150-\$200 US per hour.**

**Underlying Oracle software licenses (specific use) will be provided at 50% off Oracle list price until further notice.**

**Special Panel pricing is available for selected colleges. (Call for details).**

## **COST-BENEFIT ANALYSIS**

The table below shows some sample costs for a mid-sized college. The exact numbers will depend upon the size of the institution, special requirements and amount of effort supplied locally versus purchased.

	<b>Internet Student System</b>	<b>Existing Legacy System</b>	<b>Other Vendors</b>	<b>Your System</b>
<b>Software</b>	<b>\$25,000-\$100,000</b>	<b>Paid For</b>	<b>\$250,000-\$2,000,000</b>	
<b>Database Licenses</b>	<b>\$10,000-\$100,000</b>	<b>Paid For</b>	<b>\$50,000-\$200,000</b>	
<b>Hardware</b>	<b>\$50,000-\$1,000,000</b>	<b>Paid For</b>	<b>\$50,000-\$1,000,000</b>	
<b>Hardware Maintenance</b>	<b>\$2,500-\$50,000</b>	<b>\$120,000</b>	<b>\$2,500-\$50,000</b>	
<b>Staff Support</b>	<b>2 persons @ \$50,000</b>	<b>5-10 persons @ \$50,000</b>	<b>2-10 persons @ \$50,000</b>	
<b>Transition Costs</b>	<b>\$25,000-\$100,000</b>	<b>0</b>	<b>\$100,000-\$1,000,000</b>	
<b>Yearly Support</b>	<b>\$10,000-\$50,000</b>	<b>\$200,000-\$500,000</b>	<b>\$100,000-\$500,000</b>	
<b>Two Year Totals Low Range</b>	<b>\$300,000</b>	<b>\$790,000</b>	<b>\$750,000</b>	
<b>Two Year Totals High Range</b>	<b>\$1,700,000</b>	<b>\$1,740,000</b>	<b>\$6,200,000</b>	
<b>Amortization Time</b>	<b>One Year</b>	<b>NA</b>	<b>Never</b>	
<b>Future Annual Savings vs Legacy System</b>	<b>\$300,000-\$570,000</b>	<b>-0-</b>	<b>-0-</b>	

**Because of the dramatic decrease in the cost of software and hardware it is possible to recover the expenses of a new system in one year! Savings will continue to mount up in subsequent years. The money saved can be reallocated to other areas rather than being absorbed in maintaining an expensive, inefficient legacy system.**

## **Web Based Self Services**

### **Public Web Services**

Ask for material about the college to be sent to you  
Apply for Admissions to College  
Check on status of application  
View College Departments  
View Courses Offered  
View Sections Offered  
View public attendance records for any student

### **Password-protected services for students**

Self Registration for students with an approved course of study  
Self Registration for a student permitted to take any course  
View My Grades  
View My Degree Progress  
View My Class Schedule  
View when and where enrolled classes meet  
Describe Housing Preferences  
Request transcript to be sent  
Enter Course Evaluations for courses taken

### **Password-protected services for faculty**

Show grades by section  
Enter grades by section  
View class assignments

### **Web-Enabled Administrative Applications**

#### **Client/server screens running within a web browser**

These are the core administrative functions provided by the system and are meant for administrators only. Any form can be web-enabled.

## **Resource Requirements**

### **Software**

The software as delivered supplies the core functionality of all systems shown in the tour.

All policies are controlled by rules stored in database tables and do not require programming staff to tailor to your institution. These policies include academic requirements, billing costs, admissions criteria and financial aid eligibility. Thus your existing staff can setup most of the system without extensive training or special expertise.

In addition you get the full design code for the system. This is stored in the database and can be modified by your programming staff using the supplied development tools. The use of these tools will require staff training, however there are many vendors supplying training which typically takes two to three weeks.

Changes to the system can be made directly by your staff, without waiting for the next vendor release and without any special approval. If you wish to have your changes incorporated in the overall product so that others may benefit, special arrangements can be made to coordinate development. By having many institutions contribute to the refinement of the system, costs are kept low and the best features can be developed.

Since all software is based upon industry standard software, the system can be accessed by any client-side package you wish to use. This leverages existing staff skills. For example, your users can use Excel, Crystal Reports or any other ODBC compliant software.

Typical systems of this complexity require:

- Database Administrator
- Forms and Reports Developer (one or two)
- Operations Staff (one or two)

We at Virtual DBA Inc. can perform the above functions for you remotely if you do not have any of these personnel on staff.

## **Hardware**

The database runs on any standard hardware, using any of these operating systems: Microsoft Windows, Unix, Linux, IBM Mainframe OS.

Client forms and reports run on Microsoft Windows and Unix workstations.

Internet-enabled forms run through any Java capable browser. Currently MS Windows and Solaris browsers, with Macintosh expected shortly.

One mid-sized server to support the database. Typical cost between \$15,000 - \$100,000.

For web-based forms additional application servers may be required depending upon the number of simultaneous users. Exact sizing recommendations are part of the evaluation process.