A Web Interface For The Dynamic Class Schedule Query of Banner Student Database

3/10/2003

The Banner baseline schedule of classes for public consumption did not fulfill the need for a dynamic schedule query that is available through Banner Web registration. In the past two years a package has been developed for three ‘Banner’ community colleges to provide real time schedule querying. Based on proven Banner technology and written to be Web Tailor compatible is easy to adapt for a Banner community college environment.

In 2001 SIG was asked by Antelope Valley CC. to develop a web package that would allow for external access to the class schedule in a meaningful manner. The package that was developed allowed for:

- Term Selection based on 90 ninety days prior to registration through 30 days post end of term
- Subject (all or multiple selects)
- Course
- CRN
- Location
- Instructor
- Days and Times

The output was to contain:
- One CRN per line with additional meeting times/locations listed below
- Real time headcounts
- Instructor
- Start/end dates
- A link to a detail page for each CRN that further explained the nature of the class.
A Web Interface For The Dynamic Class Schedule Query of Banner Student Database

3/10/2003

The following are the current sites where a variant of the schedule query may be found.

Antelope Valley College
https://bannerweb.avc.edu:8030/avcprod/owa/az_tw_zipsched.P_search

Pima Community College
This is a static entry page with links to 4 variations to the schedule query.
http://bannerweb.pima.edu/htm/sched_menu.htm

Ventura County Community College District
http://ows.vcccd.cc.ca.us:8080/pls/prod/hzsched.P_search

The flow of data is directly from Banner tables and controlled in part by the settings of the validation tables. The user is able to view but not touch data that is designated as web/vr access. The following drawing shows the data flow concept for the schedule query.

The AVC package was developed in parallel with that of Pima Community College. Mutual enhancements were applied to each project with each project also being customized to the users and systems specifications.

Variations on the query and display have occurred with each site. Some sites include catalog course information whereas others maintain this on a separate system. Rules on defining terms as well as locations can affect how the schedule query will constructed. Incorporation of the schedule query basic page design into the Web Tailor allow for inclusion with the Banner Web community of menus. Each site has the ability to call the schedule query from within Banner Web and then allow that user to return.
A Web Interface For The Dynamic Class Schedule Query of Banner Student Database

3/10/2003

Prepared by t.j.loftus
Strata Information Group

Ventura County Community College District

This most recent adaptation of the Schedule Query has improved upon many of the pre-existing features and allowed for very specific search criteria that are very pertinent to California Community Colleges.

- New Classes
- Non-Credit
- Off Campus
- TV/Internet
- PACE
- Campus Maps
- Free text search for
- Course titles

- Status is determined through a separate function.
- CRN is an active link to a more detailed page for each class.
- Multiple lines for classes with additional meeting times/locations.
- Headcount is in real time and color-coded.
- Class starts and end dates and length displayed.

Prepared by t.j.loftus
Strata Information Group
The detail page for the VCCCD package has additional information added such as critical dates. These dates will help remind the student of when they should drop if necessary.

The list of basic information has been enlarged to show all instructors for a course.

Information from SSRTEXT and SCRTEXT could appear at the top of the page if such information could be provided.

If a course were cross-listed with other CRN's then this information would also be displayed on the detail page.

The image below shows how an instructor may be able to view his or her own courses in one query rather than performing a separate query for each subject code.