Software Development for VCU Jazz Ensemble Personnel Placement and Parallel Needs of Schools and the Private Sector (v 1.1, <u>9/22/10</u>)

submitted by Prof. Antonio J. García Associate Professor of Music Virginia Comonwealtth University © 2007 Antonio J. García

Flow-Chart for the Proposed Software Program Titled "TBA"

Goal: To automate the majority of the process of placing individuals of varying schedules, qualifications, and experience-levels into groups of like schedules and experience-levels but varying qualifications, compatible with the limitations of available supervisors and spaces.

Or, phrased as the need for VCU Jazz Studies: To automate the majority of the process of placing students of varying schedules, instruments, and experience-levels into groups of like schedules and experience-levels but varying instruments, compatible with the limitations of available faculty and spaces.

The program has to accept options of seeking a mix of rehearsal slots of two hours straight one day a week or two one-hour slots per week. "TBA" has to reveal the maximum variations of slots in which the ensembles might meet.

ONLINE	DESKTOP
1) Students access	
a web page where	
they enter "X"	
(conflict) or "?"	
(possible conflict)	
into each slot of a	
schedule grid that	
appears to them	
visually like the	
attached PDF.	
These marks	
represent class or	
work obligations.	
They type in their	
ID data, coding	
themselves as	
"Student," and	
click on a box to	
accept any terms	
that appear.	
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faculty a same we and comp same info coding th as "Facu	able ccess the b page plete the cormation, heir entry					
as Facu	I >	3) The student data is sorted by "TBA" and routed to my desktop such that I can then retrieve, edit, and organize it offline via various parameters, each printable:	>	(a) I can print out the actual schedule grid of each student in that one-page grid format. I can also edit the database with any updates that students contact me with in the interim before I finalize matters.		
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				(b) I can access an on-screen left-column alpha-listing of all students' last names, then a column for first names, with the third column indicating the student's instrument:	>	(b1) Succeeding columns are labeled 1-7 (the maximum number of ensembles I typically place, though we could show more columns). By clicking in the row of a given student's name, I indicate which ensemble I want to place that student in (1 being most-experienced, 7 being least, for example) based on my notes from their auditions.
				(c) I can also re-sort the data's appearance to be listed in columns by ensemble-number rather than by student alpha, thus giving me an easy "look" at each ensemble's proposed membership—or re-organized by instrument, giving me a glance at how many bassists' schedules I've received, for example.		
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(10) On my prompt, I can tell "TBA" to "lock" a given, promising time-slot for a given grouping of ensemble, faculty member, room, and time. V (11) I can then have "TBA" (a) A left-column alpha-listing (b) A listing of students' entire of all students' last names, then entered ID data, each in a separate present that final data to me via a variety of on-screen and a column for first names, with column. printable reports: the third column indicating the student's instrument, the fourth --> --> the # of the ensemble chosen for the student, the fifth the faculty member supervising, the sixth the room(s), the seventh the day(s) of the week, the eighth the time(s). V (12) Again, I can re-sort the data's appearance to be listed in columns by ensemble-number rather than by student alpha. And I have to have the ability to overwrite any provided data with new information at any time. V (13) I can prompt "TBA" to export into a tab-delineated Word file, such as a roster of all personnel and their ID info sorted by ensemble or by alpha, such that I can quickly copy and paste that data into my e-mail program so as to contact everyone and inform them of the ensemble schedule.

If "TBA" could accomplish Steps 1-6, that would save me an estimated six hours of work on the night I address scheduling. Adding Step 13 alone would save me a couple more hours. Steps 7-12 would save me another hour or two. Altogether, "TBA" would save me 9-10 hours of labor across one exhausting night of every semester—well worth investigating an automated program.