FACULTY SCHEDULES USER MANUAL

GVSU School of Computing and Information Systems

Byte Sized Consulting

December, 2016

Version 2.0

This manual was updated for the Fall Semester of 2016 for the GVSU School of Computing. The software application presented is *Faculty Schedules*, produced by *Byte Sized Consulting*. The author of *Faculty Schedules*, has included a helpful tutorial with their program, along with a quick-start brochure.

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CHAPTER 1

REQUIREMENTS AND SETUP

1.1 REQUIREMENTS

Faculty Schedules has the following necessary requirements:

• A Macintosh computer version 10.7 (Lion), or higher with at least 300MB of storage available
• An internet connection with dial-up speeds or higher
• A MySQL database running on either the local or a remote computer

After these requirements are met, following the succeeding sections until the end of Chapter 1 will ensure that *Faculty Schedules* and a MySQL database are installed and running.

1.2 CHECKING THE MACINTOSH VERSION

To make sure that the Macintosh computer's installed operating system is version 10.7 or higher, please go through the following steps:

1. Press the Apple logo in the top left of the menu bar on the top of your screen
2. Select "About this Mac"
3. Make sure that the number indicated by the red circle below in Figure 1.1 is 10.7 or higher
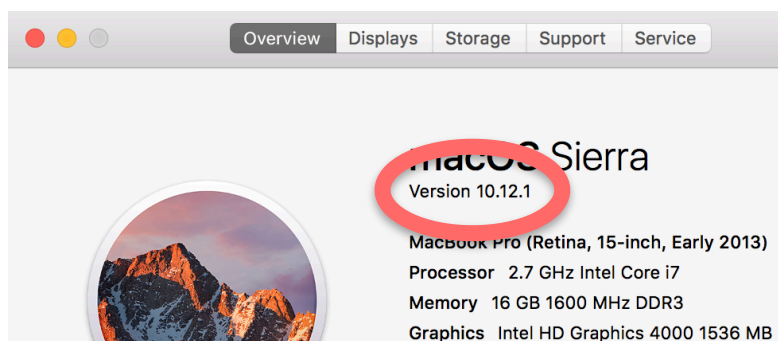

Figure 1.1

1.3 OBTAINING THE SOFTWARE PROGRAM

After the application file is obtained from the School of Computing and Information Systems, drag it to either the *Applications* folder or another preferred location for proper storage. Optionally, after moving the application to a new location, drag the *Faculty Schedules* application into the dock at the bottom of the screen for easy access in the future, as indicated below by Figure 1.2.
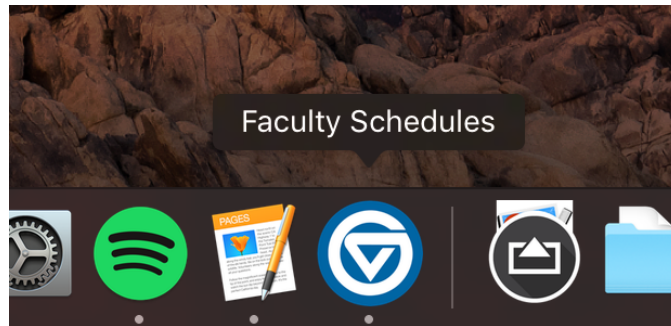

Figure 1.2

1.4 OBTAINING AND INITIALIZING THE MYSQL SERVER

Faculty Schedules relies on storing its scheduling information in a MySQL database. For ease of use, *Byte Size Consulting* recommends the installation of MAMP, a free bundle of the open-source MySQL database. To download this package, navigate any web browser to the following web address:

www.mamp.info/en/downloads

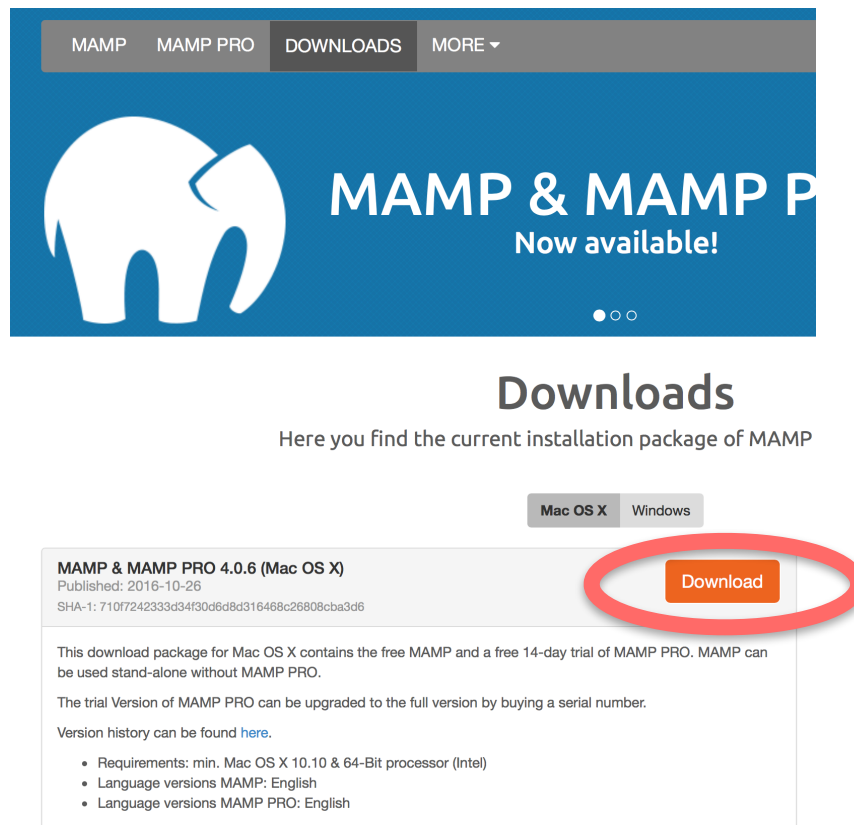And select the button indicated by the red circle below:

Figure 1.3

After the download finishes, open the package from the *Downloads* folder and follow the installation prompts, entering the GVSU Faculty user account credentials as necessary. Finally, open *MAMP* from the *Applications* folder and follow the buttons as indicated by the following series of figures and steps:
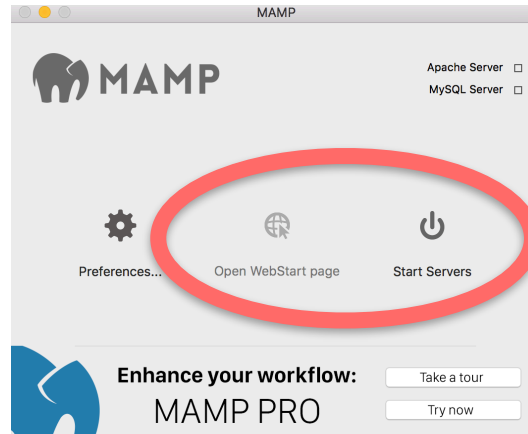
Step 1: Press "Start Servers"

Figure 1.4

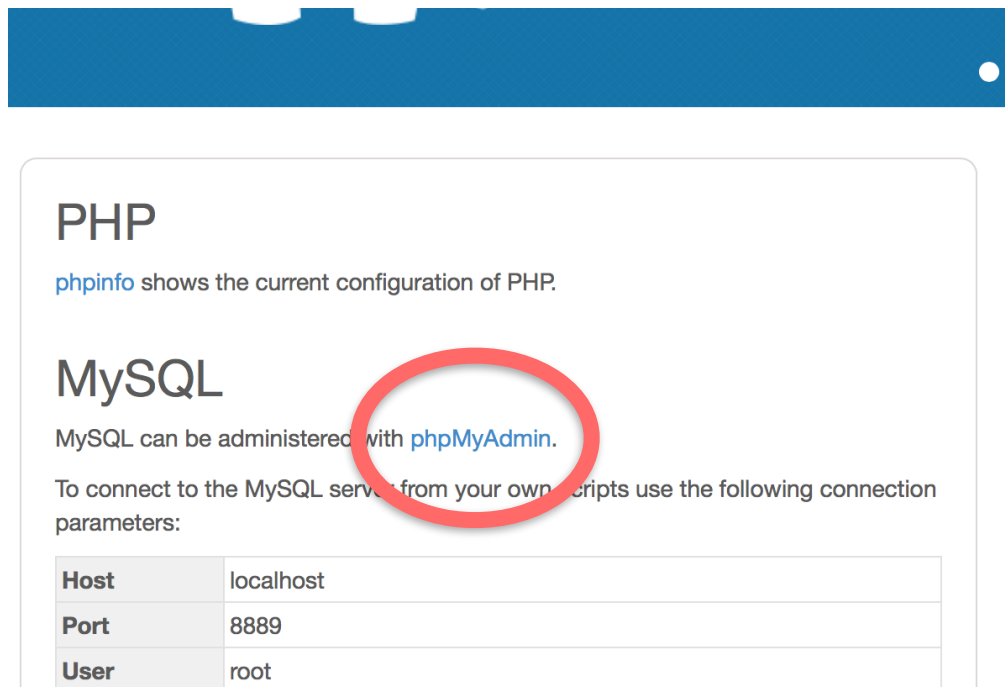Step 2: Press "Open WebStart page" or wait for browser to automatically open, then select "phpMyAdmin"

Figure 1.5

Step 3: Press "New," then enter "Faculty" into the input box, followed by pressing "Create."

Figure 1.6

Step 4: Press "Faculty."
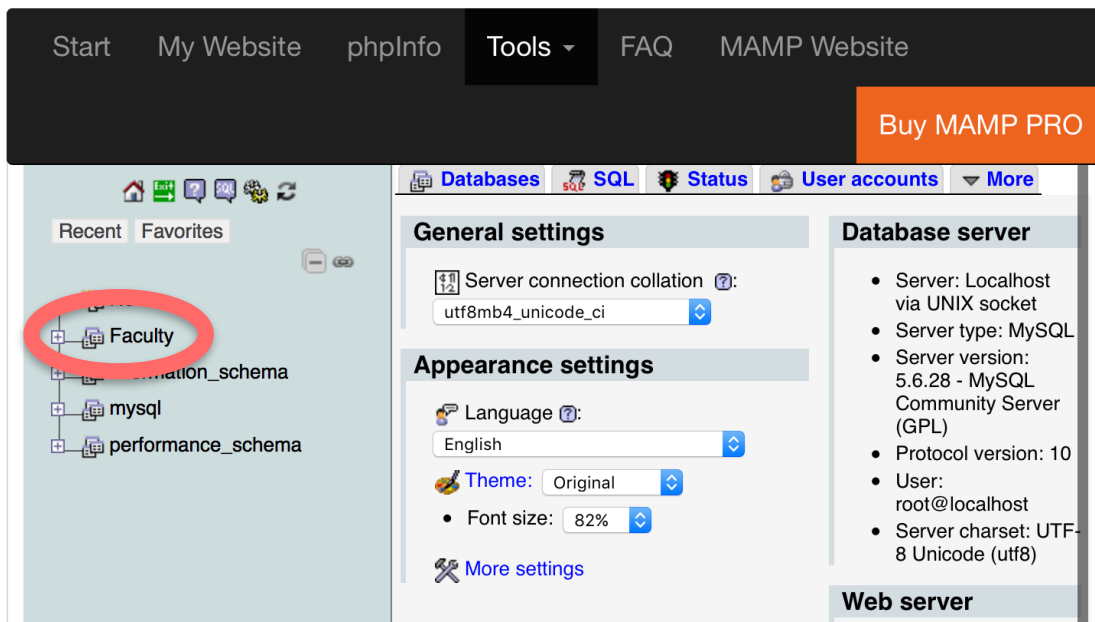

Figure 1.7

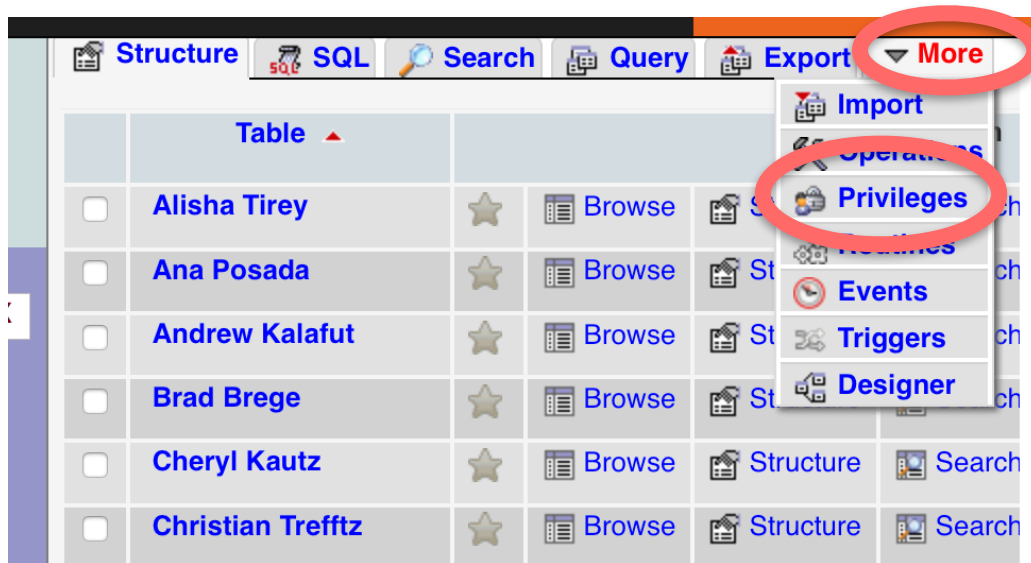Step 5: Select "More," and then "Privileges"

Figure 1.8

Step 4: Select "Add user account"
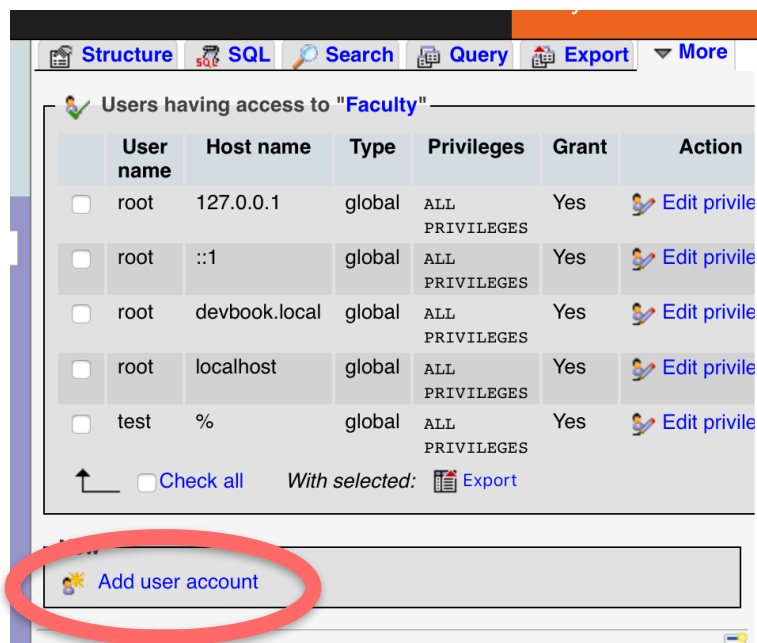

Figure 1.9

Step 5: Enter "GVSU" into User name, "GVSUBSC" into Password, retype the password, and then check the "Data" and "Structure" checkboxes

Figure 1.10

Step 6: Press "Go" to confirm

Figure 1.11

Step 7: There will be a confirmation at the top of the screen upon successful adding of the user

Figure 1.12

After this initial setup of the MySQL server, the only steps required to turn on the server are to open MAMP and press "Start Servers." Everything is now ready in order to begin interacting with *Faculty Schedules*.

The next chapter will cover how to navigate *Faculty Schedules*, and how each major section of the application functions.

CHAPTER 2

USAGE

In preparation of running *Faculty Schedules*, the computer must have at least a dial-up connection and a running MAMP server. After this is verified, double-click *Faculty Schedules* from the location where it was saved. A single window where all interaction can be performed will appear.

Before interacting with the application, press "Scrape!" as indicated by the red circle in figure 2.1 below, and wait for the mouse cursor to return to normal from the spinning beach-ball:
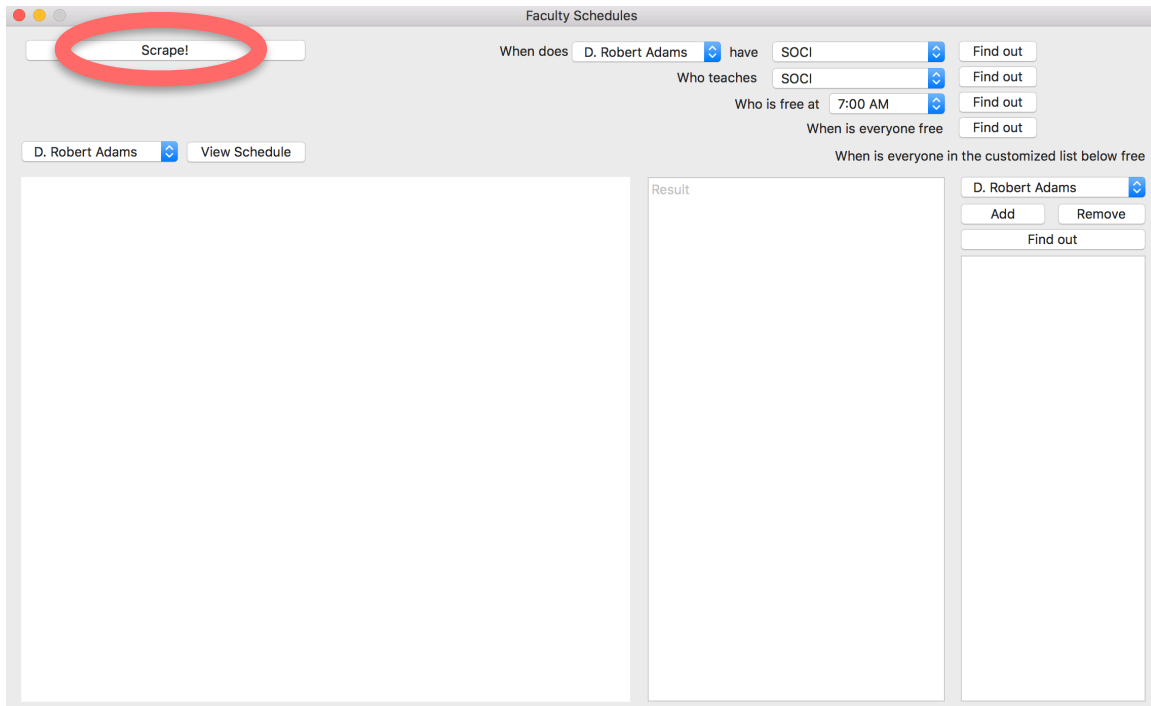

Figure 2.1

After completion, the empty drop down menus will be populated with different values.

2.1 VIEW SCHEDULE

The section indicated in the figure 2.2 below allows the viewing of the faculty's schedule directly from their website listing. Select a name from the drop-down menu and press "View Schedule." The white box beneath will show the schedule, and it can be scrolled through to view all of the details.

Scrape!				When does	D. Robert

David K. Lange ⬍	View Schedule

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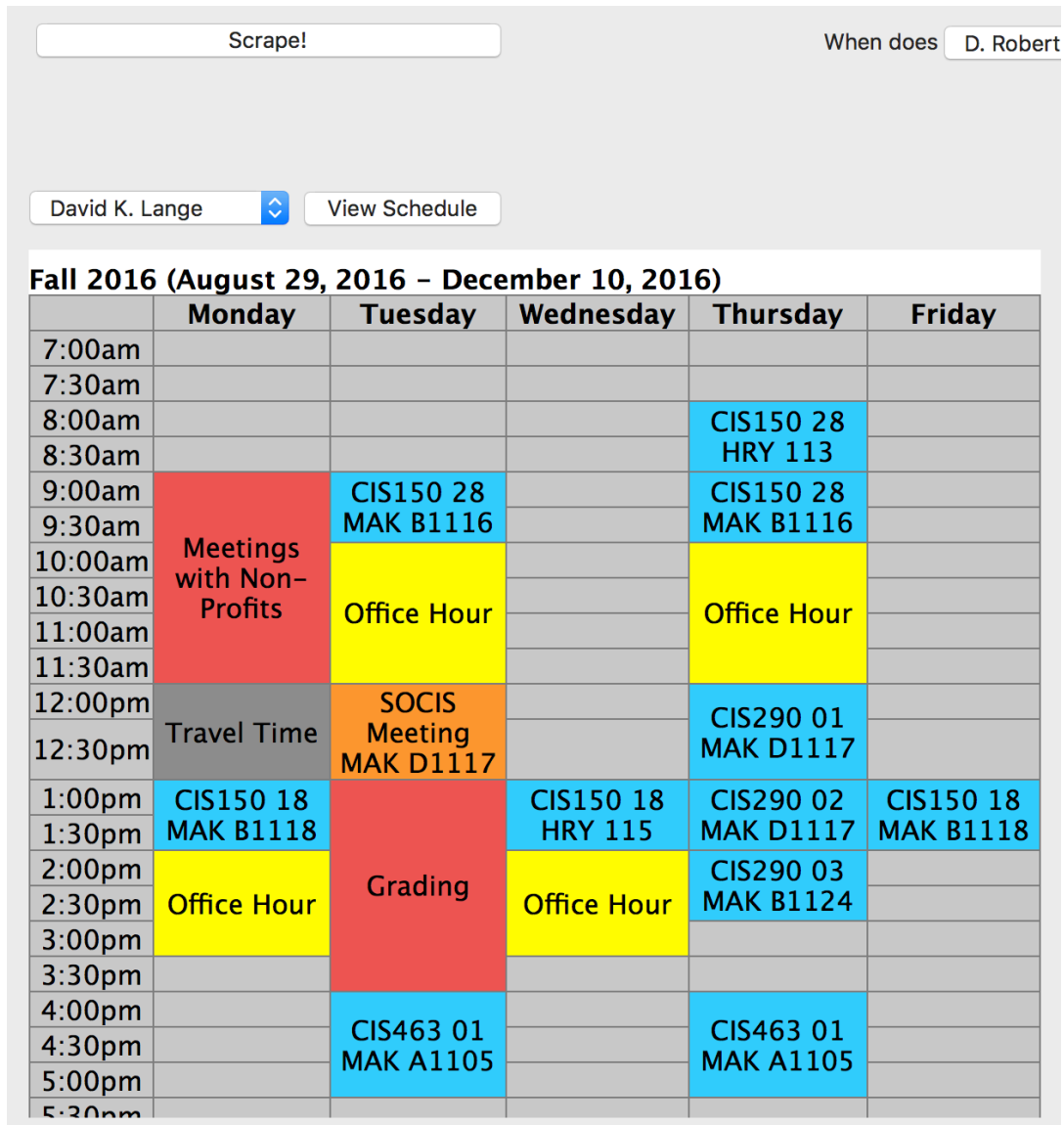|	Monday	Tuesday	Wednesday	Thursday	Friday
7:00am					
7:30am					
8:00am				CIS150 28	
8:30am				HRY 113	
9:00am	Meetings with Non-Profits	CIS150 28		CIS150 28	
9:30am		MAK B1116		MAK B1116	
10:00am					
10:30am		Office Hour		Office Hour	
11:00am					
11:30am					
12:00pm	Travel Time	SOCIS Meeting MAK D1117		CIS290 01	
12:30pm				MAK D1117	
1:00pm	CIS150 18		CIS150 18	CIS290 02	CIS150 18
1:30pm	MAK B1118	Grading	HRY 115	MAK D1117	MAK B1118
2:00pm				CIS290 03	
2:30pm	Office Hour		Office Hour	MAK B1124	
3:00pm					
3:30pm					
4:00pm		CIS463 01		CIS463 01	
4:30pm		MAK A1105		MAK A1105	
5:00pm					
5:30pm					

Figure 2.2

2.2 SIMPLE QUERIES

The sections indicated in figure 2.3 below show the result of their corresponding questions. Select a value from its appropriate drop-down menu and press "Find out" immediately to the right of the question. The red circle below indicates a sample selection for a question, and its result showing in the result box:

Figure 2.3

If the results box shows more data than what is in the available space, just click and drag the cursor downwards to reveal the entire result.

2.3 CUSTOM QUERY

Figure 2.4 illustrates a query that allows a user to select faculty names and add to or remove them from a list. After adding the desired faculty to the list, press "Find out" to receive the custom result.

Figure 2.4

CHAPTER 3

TROUBLESHOOTING

3.1 TROUBLESHOOTING LIST

Faculty Schedules includes some error handling and signs to know that something has not functioned correctly. Here are some examples and what to do if these problems are encountered:

Sign	Cause	Solution
After pressing "Scrape!" the application does not populate the drop-down menus and the spinning wheel remains indefinitely	The MAMP server has not been started yet, or the user account added does not match this manual's instructions.	Quit *Faculty Schedules* and open the MAMP application. Select "Start server" and then restart *Faculty Schedules*. If that does not work, make sure that the user account added matches the credentials supplied in this manual.
The result box says "Please press the "Scrape" button, or the faculty is not teaching this semester."	A "Find out" button was pressed before pressing "Scrape!" Or the faculty member does not have a table on their page.	Press "Scrape!" and then continue the query. Or it should be verified that the faculty member is not missing data on their schedule website.
"View Schedule" was pressed, but the window below it shows nothing.	There is either no internet connection on the computer, or the faculty's schedule website address has changed or is not available.	A working internet connection needs to be verified, or the faculty's schedule website is missing a table intentionally or unintentionally.

Table 3.1

Intentionally left blank for your notes