

# FACULTY SCHEDULES USER MANUAL

GVSU School  
of Computing



Manual  
Version 1.0

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

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*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

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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

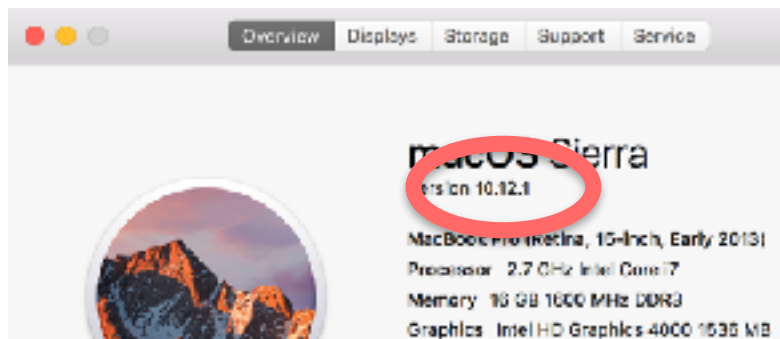


Figure 1.1



### 1.3 OBTAINING THE SOFTWARE PROGRAM

*Faculty Schedules* can be obtained from the internet by opening a web browser and entering the following link into the address bar:

*www.something.com*

And selecting the download button in the location indicated inside of the red cycle below in figure 1.2:

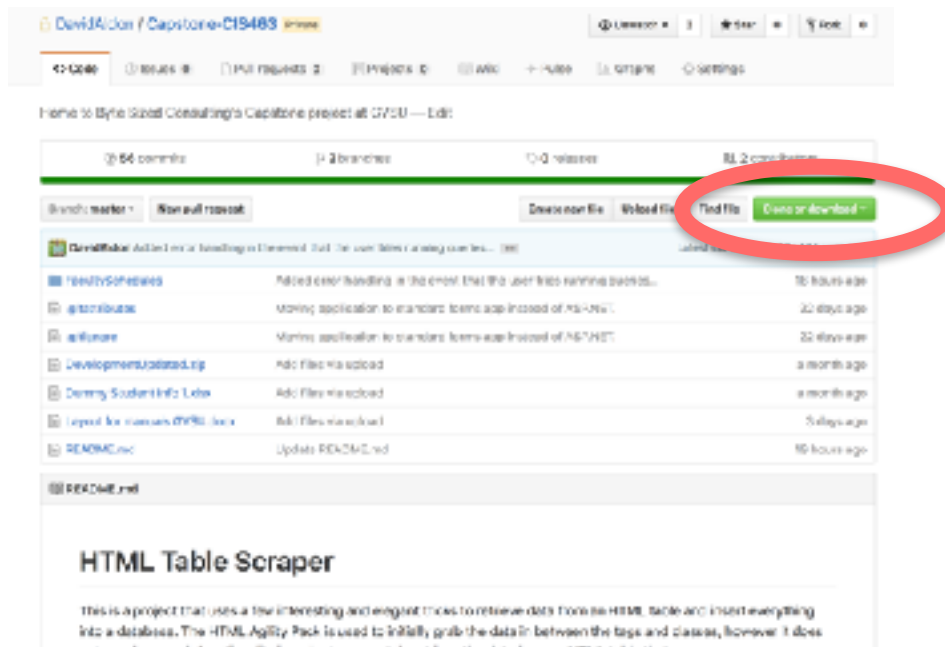


Figure 1.2

After the application has been downloaded, it will be located in the *Downloads* folder. 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.

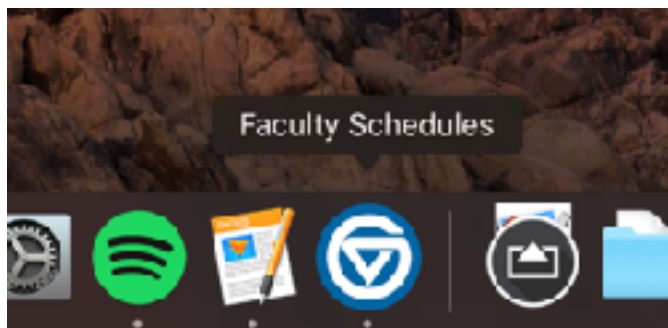


Figure 1.3



## 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:

<https://www.mamp.info/en/downloads/>

And select the button indicated by the red circle below:



Figure 1.4

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 1.5

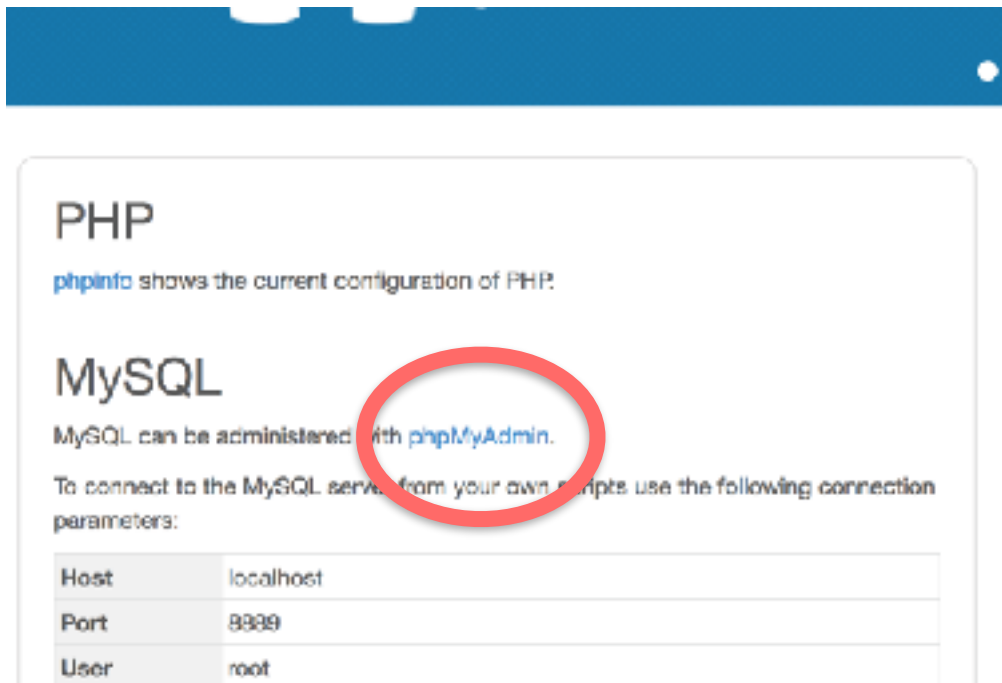
**Step 2: Press “Open WebStart page” or wait for browser to automatically open, then select “phpMyAdmin”**

Figure 1.6



**Step 3: Press “New” and then enter “Faculty” into the input box, and press “Create.”**

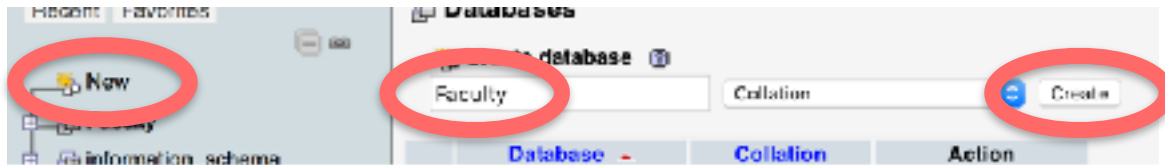


Figure 1.7

**Step 4: Press “Faculty.”**

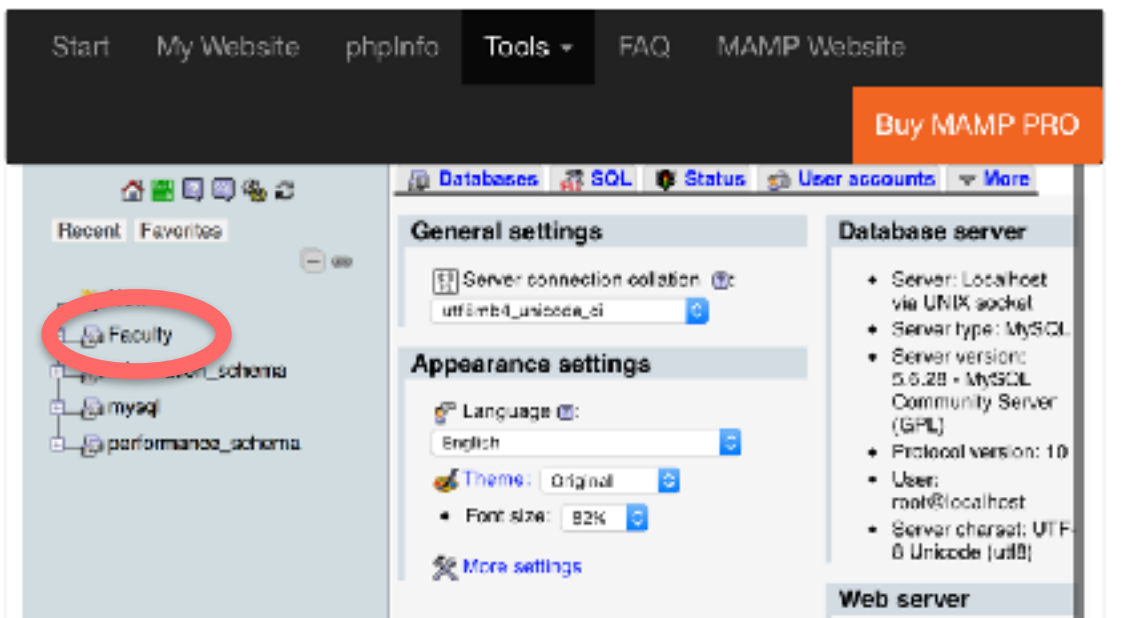


Figure 1.8





**Step 3: Press “More” and then “Privileges”**

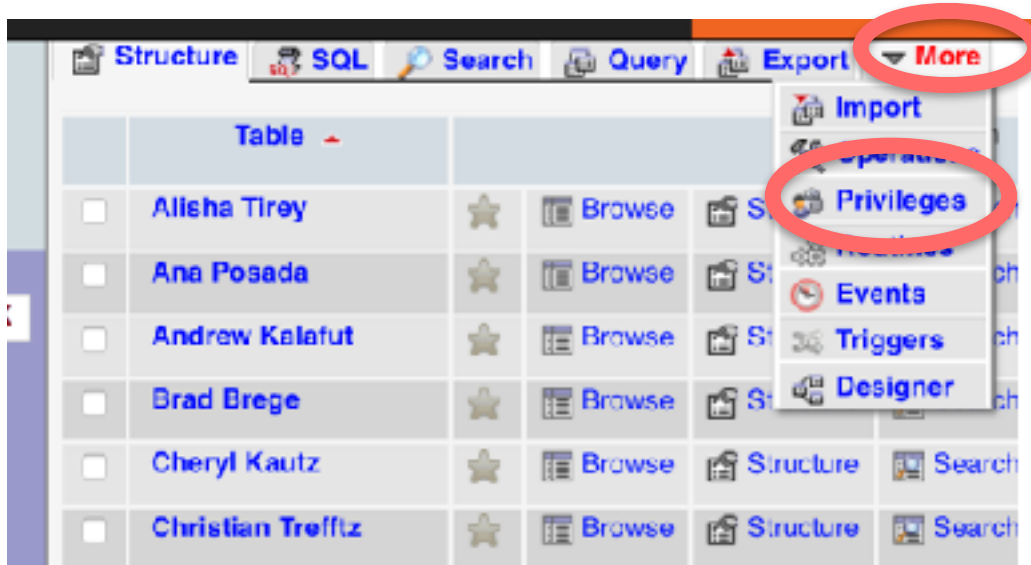


Figure 1.9

**Step 4: Press “Add user account”**

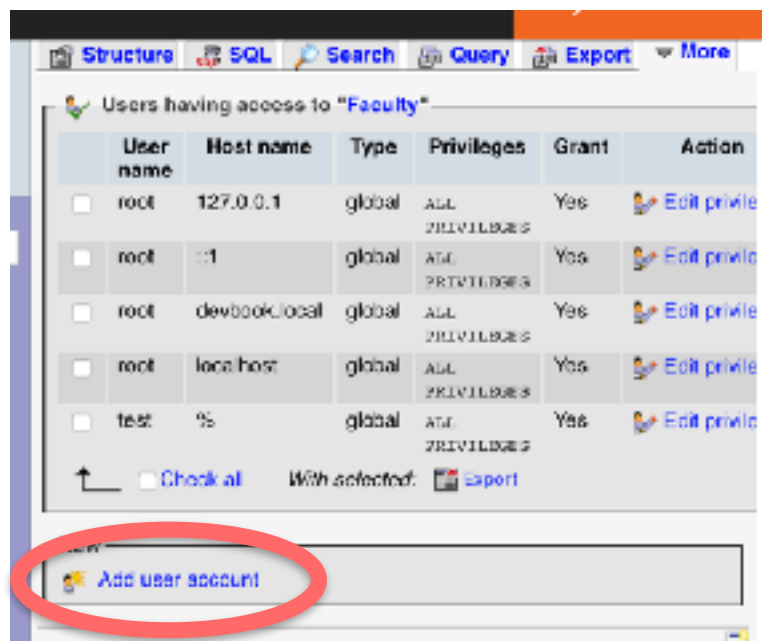


Figure 1.10



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

Server: localhost:8889

Databases SQL Status User accounts Export Import Settings More

### Add user account

Login Information

User name: Use text field:

Host name: Any host:

Password: Use text field:

Re-type:

Authentication Plugin: mysql\_native\_password

Generate password:

Database for user account

☐ Create database with same name and grant all privileges.

☐ Grant all privileges on wildcard name (username\_%).

☒ Grant all privileges on database "Faculty".

Global privileges: ☐ Check all

NOTE: MySQL privilege names are expressed in English

☒ Data ☒ Structure

☐ Administration

☒ SELECT ☒ INSERT ☐ CREATE

☒ DELETE ☒ ALTER ☐ DROP

☒ UPDATE ☒ INDEX ☐ TRIGGER

☐ PROCESS

Figure 1.11

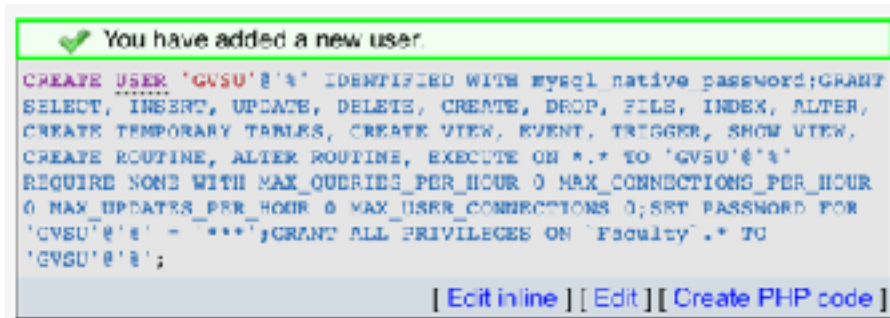
**Step 6: Press “Go” to confirm**

REQUIRE SUBJECT

Figure 1.12



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



```

✓ You have added a new user.

CREATE USER 'GVSU'@'%' IDENTIFIED WITH mysql_native_password;GRANT
SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, FILE, INDEX, ALTER,
CREATE TEMPORARY TABLES, CREATE VIEW, EVENT, TRIGGER, SHOW VIEW,
CREATE ROUTINE, ALTER ROUTINE, EXECUTE ON *.* TO 'GVSU'@'%'
REQUIRE NONE WITH MAX_QUERIES_PER_HOUR 0 MAX_CONNECTIONS_PER_HOUR
0 MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0;SET PASSWORD FOR
'GVSU'@'%' = '***';GRANT ALL PRIVILEGES ON 'Faculty'.* TO
'GVSU'@'%'
[ Edit inline ] [ Edit ] [ Create PHP code ]

```

Figure 1.13

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 internet 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:

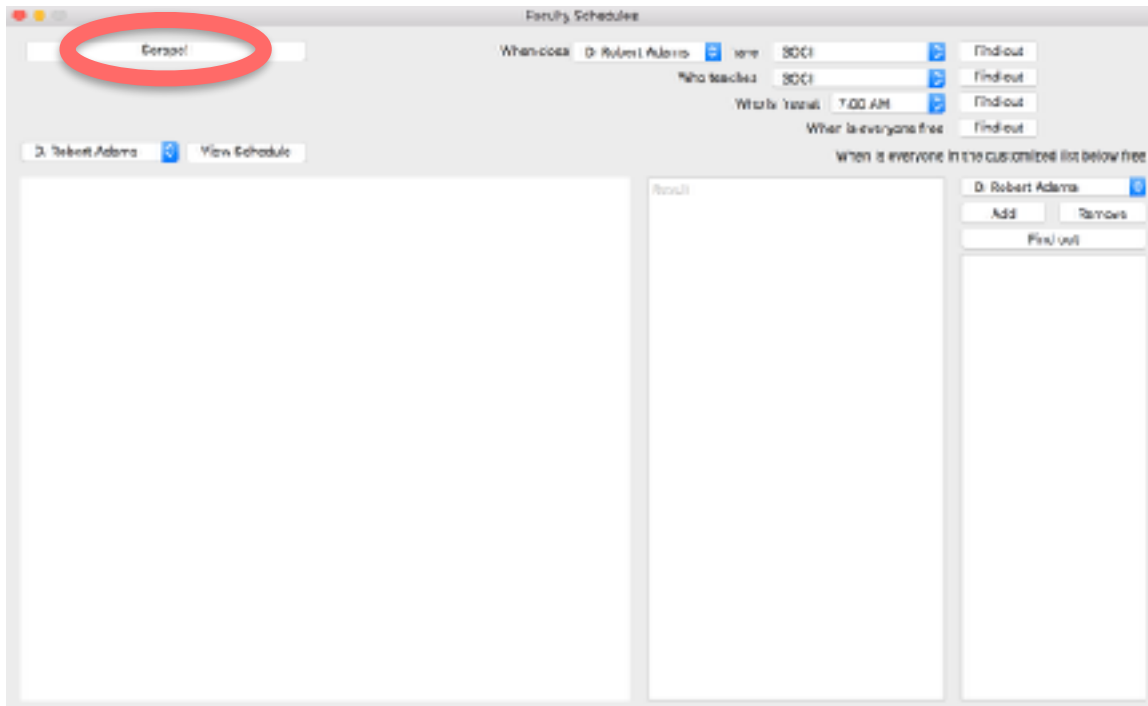


Figure 2.1

After this, 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.

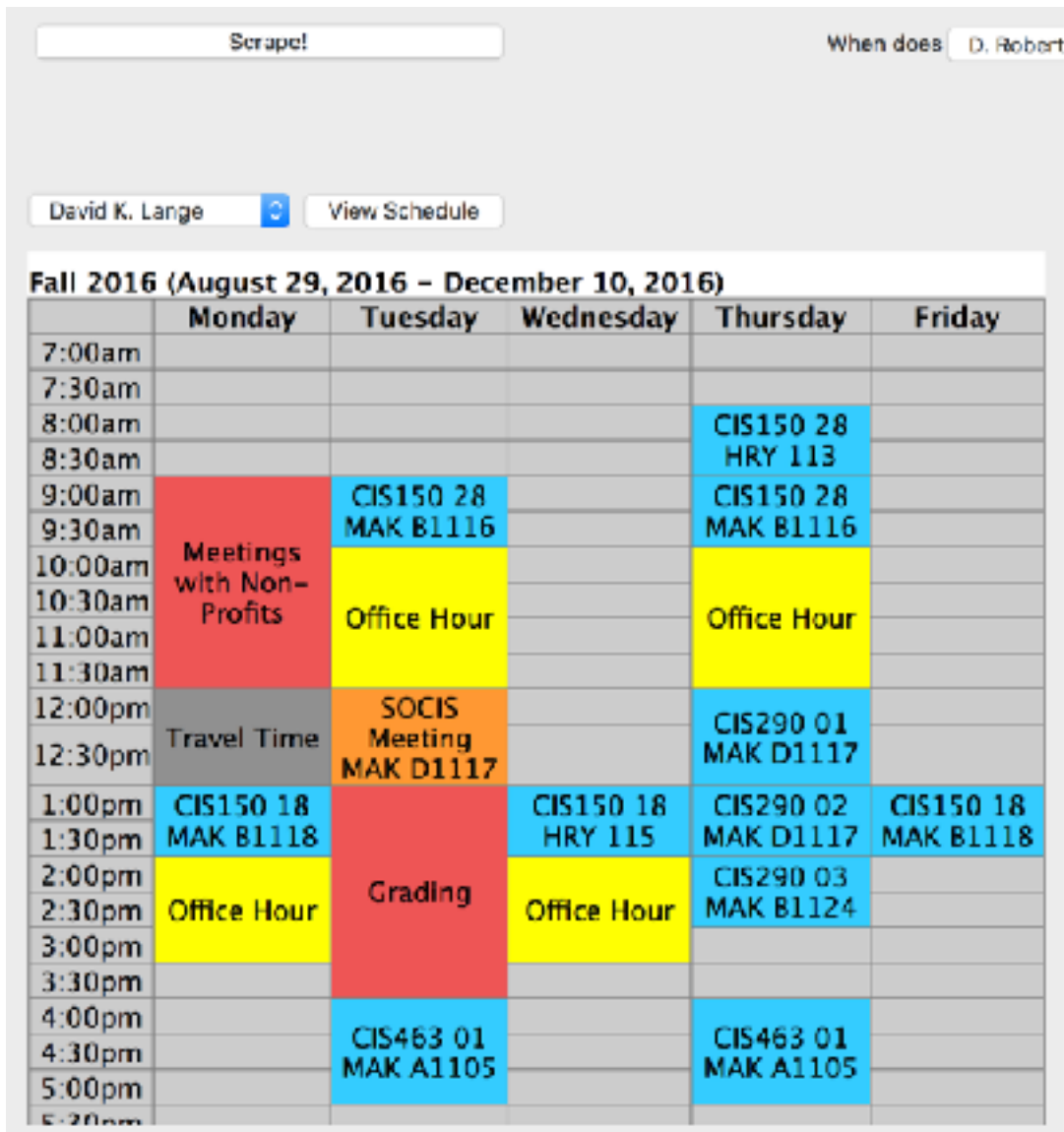


Figure 2.2



## 2.2 SIMPLE QUERIES

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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:

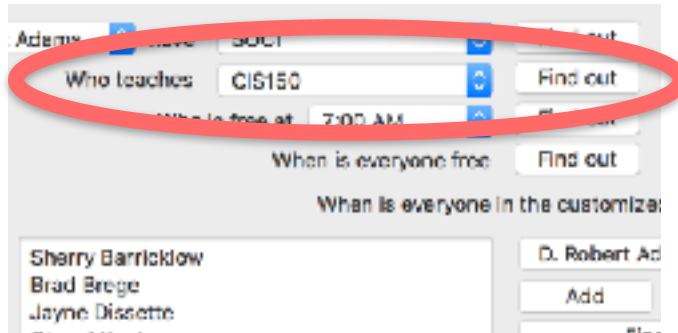


Figure 2.3

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

## 2.3 CUSTOM QUERY

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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.

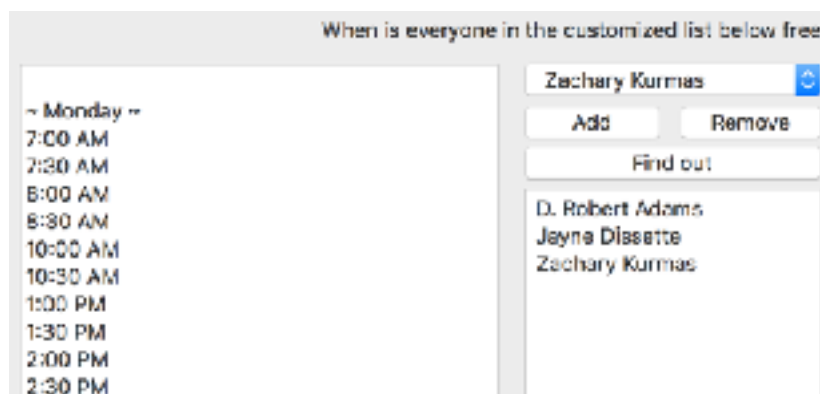


Figure 2.4

The next chapter will handle troubleshooting of *Faculty Schedules*.



# CHAPTER 3

## TROUBLESHOOTING





### 3.1 TROUBLESHOOTING LIST

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*Faculty Schedules* includes some error handling and signs to know that something has not happened 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 <i>Faculty Schedules</i> and open the MAMP application. Select “Start server” and then restart <i>Faculty Schedules</i> . 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*

