ITC 250/CPET 499 Web Systems
Web Design Help Blog
12/15/2016

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Report Summary

- Geared to help users with web design
- Offers many links to other pages or websites
- Users can email tutors for help
- Provides detailed schedule of tutors available hours
- Scope
  - Detailed schedule
  - Email Communication
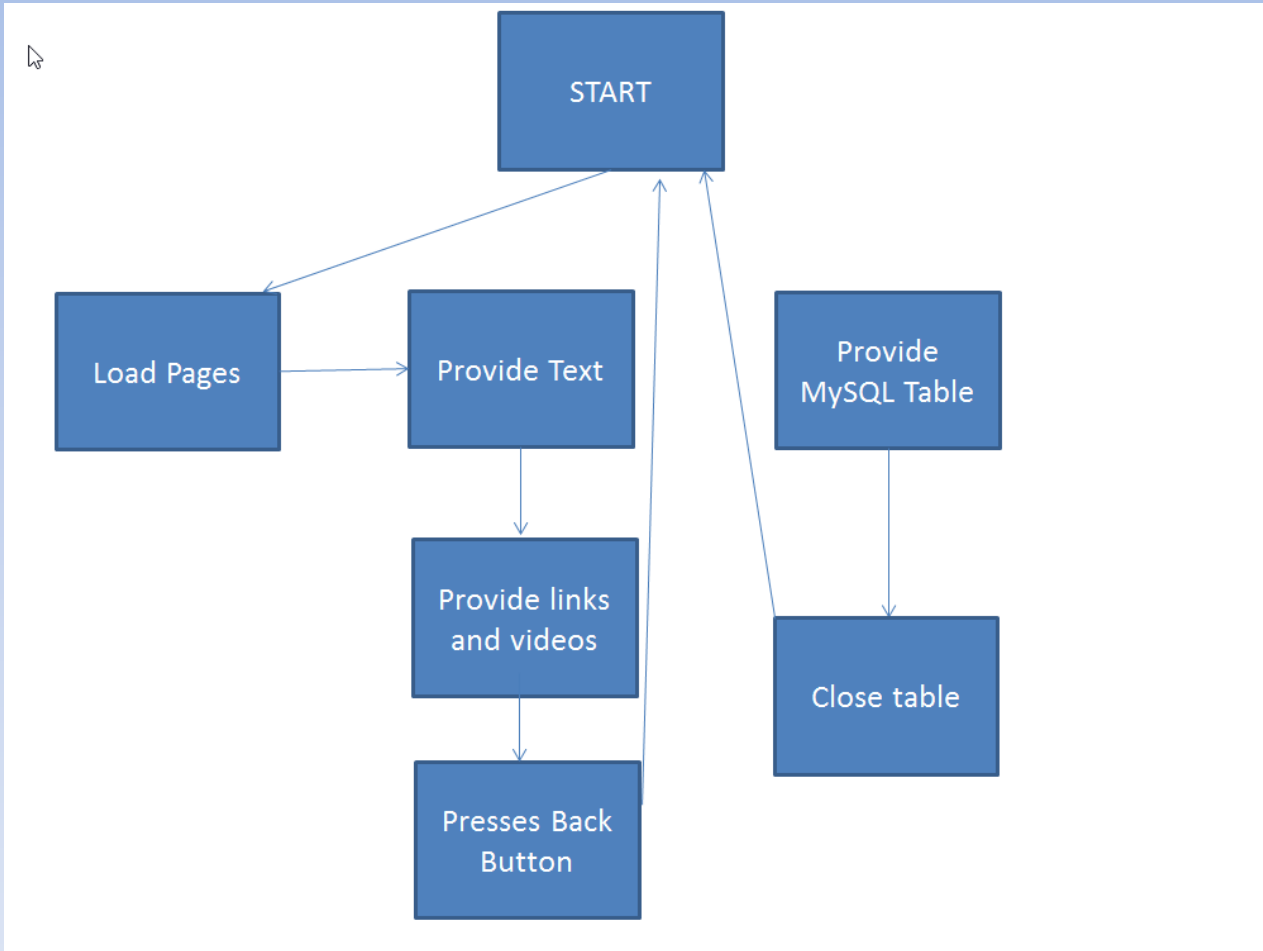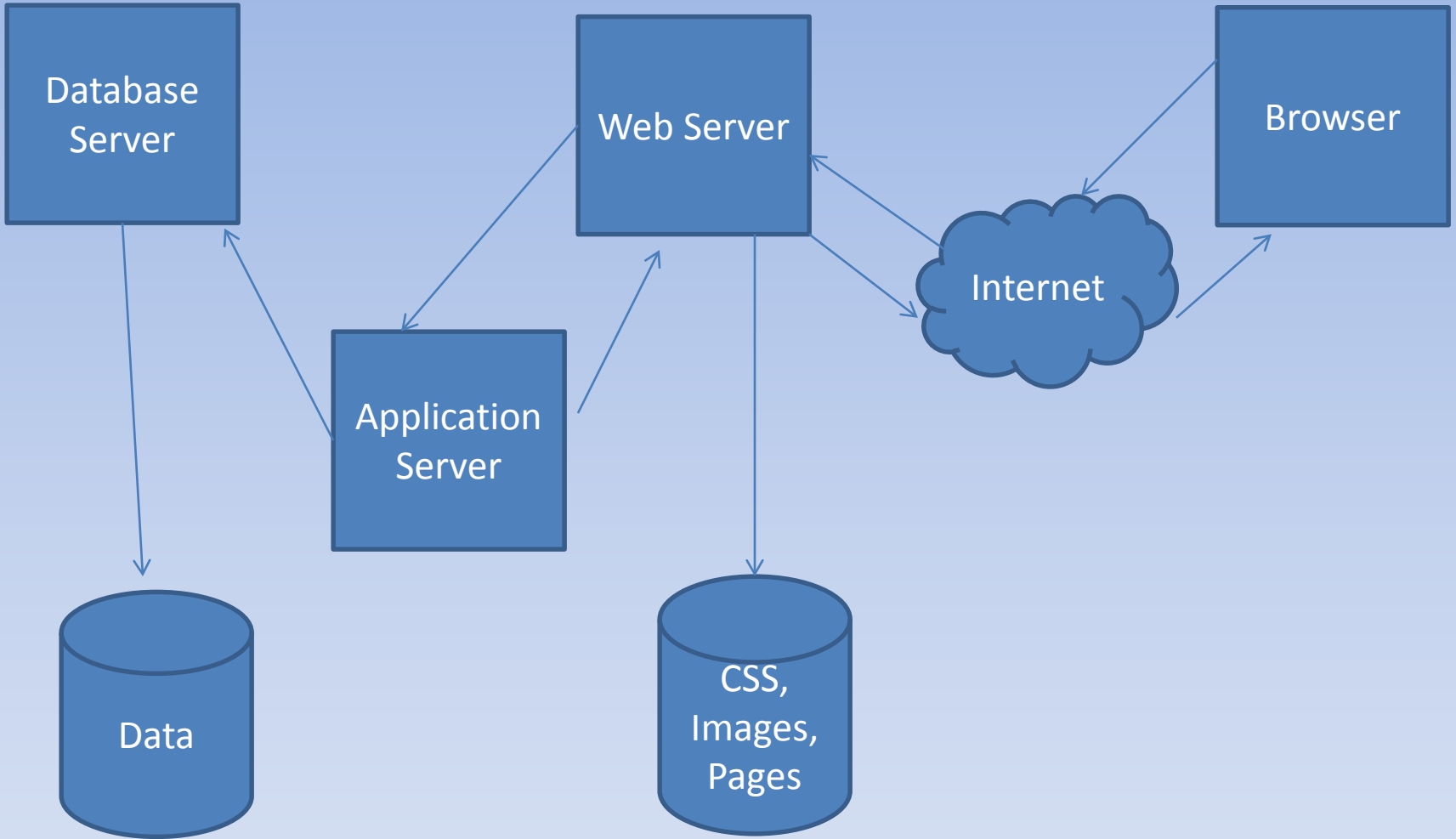 - Informational matter

Project Milestones

- Prototype got lost
- Final Report is finished
- Final Project is finished

Web System Design

- System Requirements
  - 1 GHz or faster processor
  - 2 GB RAM
  - 16 GB disk space
  - DirectX 9 or later graphic card
  - 800x600 display screen
  - Windows 7
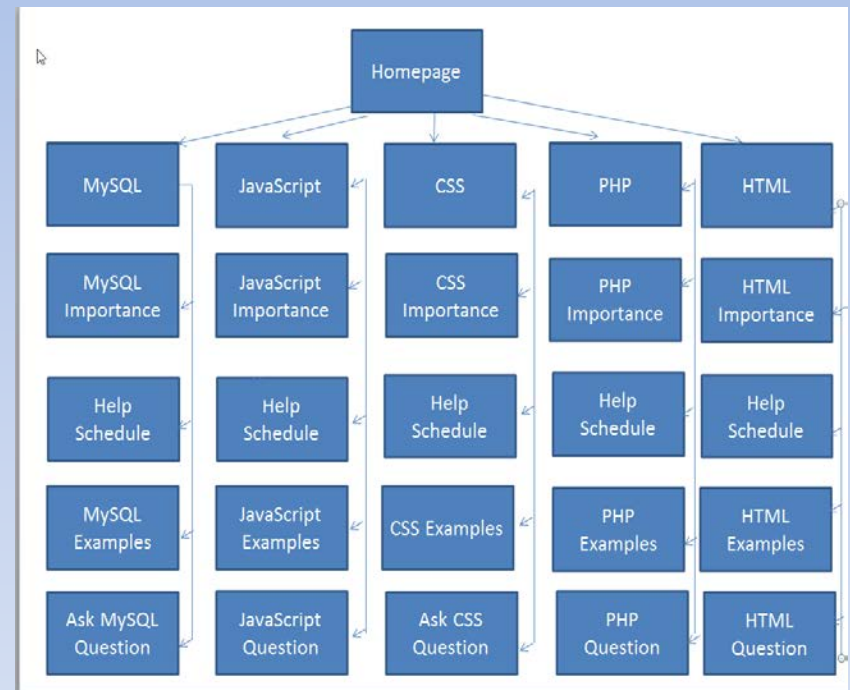
- Software Programming Tools
  - Notepad++
  - XAMPP
  - SnagIt Capture

MySQL Help Page

The World Wide Web (WWW) does only one thing – provide information. If you have information about something, you can share it with the world by building a website. As your website grows you may run into two problems: Your website has so much information that visitors can't quickly find what they want and visitors want to give you information. Both of these problems can be solved by building a database on a website. This introductory article shows you how to do this using basic PHP-MySQL interaction .

Why put a database on a website?

1. Scalability and Flexibility
The MySQL database server provides the ultimate in scalability, sporting the capacity to handle deeply embedded applications with a footprint of only 1MB to running massive data warehouses holding terabytes of information. Platform flexibility is a stalwart feature of MySQL with all flavors of Linux, UNIX, and Windows being supported. And, of course, the open source nature of MySQL allows complete customization for those wanting to add unique requirements to the database server.

2. High Performance
A unique storage-engine architecture allows database professionals to configure the MySQL database server specifically for particular applications, with the end result being amazing performance results. Whether the intended application is a high-speed transactional processing system or a high-volume web site that services a billion queries a day, MySQL can meet the most demanding performance expectations of any system. With high-speed load utilities, distinctive memory caches, full text indexes, and other performance-enhancing mechanisms, MySQL offers all the right ammunition for today's critical business systems.

3. High Availability
Rock-solid reliability and constant availability are hallmarks of MySQL, with customers relying on MySQL to guarantee around-the-clock uptime. MySQL offers a variety of high-availability options from high-speed master/slave replication configurations, to specialized Cluster servers offering instant failover, to third party vendors offering unique high-availability solutions for the MySQL database server.

4. Robust Transactional Support
MySQL offers one of the most powerful transactional database engines on the market. Features include complete ACID (atomic, consistent, isolated, durable) transaction support, unlimited row-level locking, distributed transaction capability, and multi-version transaction support where readers never block writers and vice-versa. Full data integrity is also assured through server-enforced referential integrity, specialized transaction isolation levels, and instant deadlock detection.

5. Web and Data Warehouse Strengths MySQL is the de-facto standard for high-traffic web sites because of

Categories

[Why is MySQL Important?](#)

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Useful MySQL Sites

[W3 Schools](#)
This site provides great examples

[Glassdoor](#)
This site provides salaries for MySQL related jobs

[Stack Overflow](#)
Site allows users to share questions and exchange answers

Format   Insert   Options   🗑 Discard   ➤ Send

B *I* U̲ 🖊 A ⌄   ☰ ☷ ☰ ⌄   Heading 1 ⌄   ↩ Undo   ↪ Redo

From: samueljkaufman@hotmail.com

To: kaufaw01@students.ipfw.edu;

Cc: kaufaw01@students.ipfw.edu;

Bcc: kaufaw01@students.ipfw.edu;

MySQL Question

I am the body of the question that you are sending.
Sent from Mail for Windows 10

```html
                    <li>    <script type="text/javascript">

var email=('kaufaw01@students.ipfw.edu');

var subject = ('MySQL Question');

var cc = ('kaufaw01@students.ipfw.edu');

var bcc = ('kaufaw01@students.ipfw.edu');

var body = ('I am the body of the question that you are sending.');

document.write( '<a href="mailto:' + email +

'?subject=' +subject+

'&cc=' +cc+

'&bcc=' +bcc+

'&body=' +body+

'">' + 'Click here to ask a question' + '<' + '/a>');

</script>
</li>
```

phpMyAdmin

Server: 127.0.0.1 » Database: tutor_times_list » Table: Time

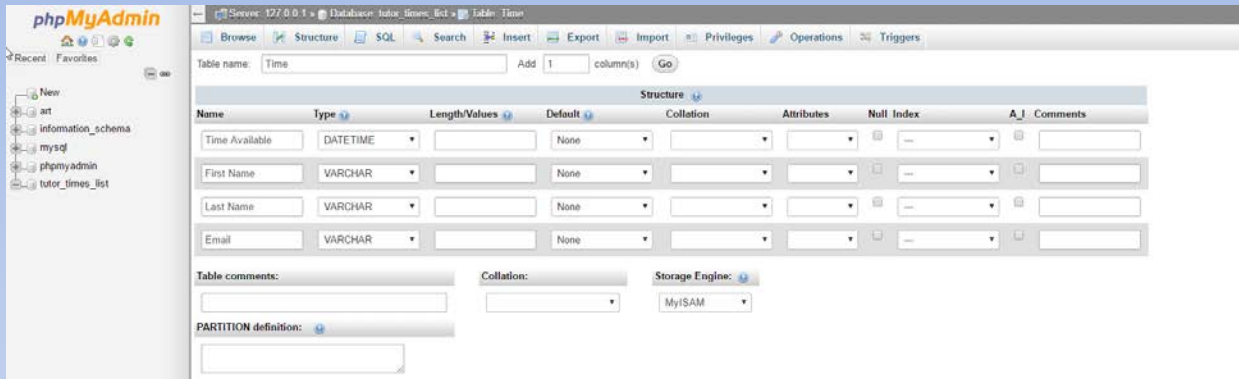Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Triggers

Recent | Favorites

New
art
information_schema
mysql
phpmyadmin
tutor_times_list

Table name: Time   Add 1 column(s)   Go

Structure

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A_I	Comments
Time Available	DATETIME		None				---		
First Name	VARCHAR		None				---		
Last Name	VARCHAR		None				---		
Email	VARCHAR		None				---		

Table comments: Collation: Storage Engine:
MyISAM

PARTITION definition:

✔ 2 rows inserted.

INSERT INTO `Time` (`Time Available`, `First Name`, `Last Name`, `Email`) VALUES ('3:00-6:00PM', 'John', 'Smith', 'John@aol.com'), ('12:00-3:00PM', 'GG', 'Allin', 'ggallin@live.com');

Run SQL query/queries on table tutor_times_list.Time:

```
1  INSERT INTO `Time` (`Time Available`, `First Name`, `Last Name`, `Email`) VALUES ('3:00-6:00PM', 'John', 'Smith', 'John@aol.com'), ('12:00-3:00PM', 'GG', 'Allin',
   'ggallin@live.com');
```

SELECT * | SELECT | INSERT | UPDATE | DELETE | Clear | Format | Get auto-saved query

☐ Bind parameters

Columns
Time Available
First Name
Last Name
Email

<<

```php
<?php
mysql_connect("localhost","testuser","mypassword") or die(mysql_error());
mysql_select_db("tutor_times_list") or die(mysql_error());
$query = "Select * FROM tutor_times_list";
$result = mysql_query($query) or die(mysql_error());
while ($row = mysql_fetch_array($result)) {
echo $row['Time'] . "-" . $row['First Name'] . "-" . $row['Email'];
echo "<br />";}

?>
```

3:00-6:00PM - John - John@aol.com
12:00-3:00PM - GG - ggallin@live.com

Summary & Conclusion

- Learned a lot about JavaScript uses in web design
- Gained experience on how to create a website