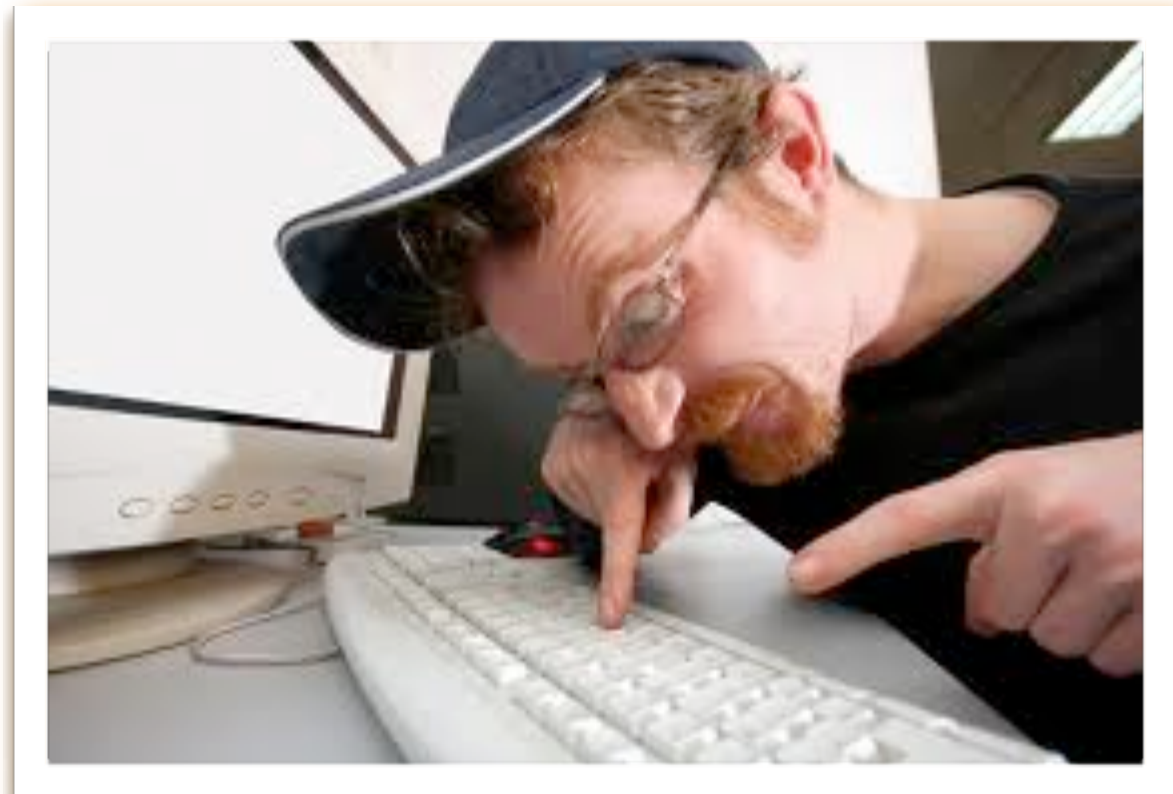




WELCOME TO **Server Side Languages**

About You

- *Your Name
- *What is your preference SS or CS? Why?
- *ASP, DBML, .NET, PERL, JAVA
- *How important is client-side in this class?
- *This course is parallel taught with database course. What does this mean?
- *How far are we going to get?
- *Next month (ASL).



About Me



Orcun Tagtekin (Orchun)

Previous Classes (SMS, SFW I, SDI, **BDF**)
Bachelors in Computer Science (Rollins College)
Seeking Masters in Digital Forensics (UCF)

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wddbs.com/SSL

My office hours this month

C++

Java

VB6

C#

Coldfusion

PHP

Classic ASP

AS2/3

FLEX

DBML

This month in SSL

Day 1 Topics

1. Course Introduction
2. Software Installation
3. Apache & PHP Configuration
4. ColdFusion Server Configuration
5. Editor Configuration
6. Repo configuration SSLX
7. Static vs. Dynamic Content
8. Server vs. Client Scripting
9. **Views**

Day 2 Topics

1. Main **Controller** Classes
2. Web Application Data Flow
3. Pretty URLs

Day 3 Topics

1. Arguments
2. Basic Debugging (Vardump)
3. URL & Form Data
4. Validation
5. Security & Paranoia

Day 4 Topics

1. Queries / Unit testing
2. **Model** Classes

Day 5 Topics

1. Hashing and Salting
2. Scope
3. Cookies & Sessions

Day 6 Topics

1. Image Manipulation
2. CAPTCHA

Day 7 Topics

1. XML
2. JSON

Day 8 Topics

Guest Lecture

Day 9 Topics

Student Lectures

Day 10 Topics

Practical





Student Videos

Expectations		
Exceeds	Meets	Below
Knowledge The student knows what they are talking about and is able to clearly convey their familiarity with the topic.	The student seems a little unfamiliar with some aspects of the topic, but for the most part is still clear.	The student does not seem certain at all about the topic, but has made an attempt.
Correctness Everything present is correct and free of technical errors.	Most everything is correct, but there are some small errors.	Most of the presentation is incorrect, or there are many errors.
Education The presentation would be useful to students in this class.	The presentation may or may not be useful to students in this class.	The presentation is probably not useful to students in this class.
Production The presentation is professional and could be shown to anyone.	The presentation is mostly professional, but there are some rough edges.	The presentation needs work to get up to a professional state.



SSL Rubric

Assignment	Points
Videos, Days 1-8	15
Labs, Days 1-8	15
Quizzes, Days 2-7	15
Team Challenge, Day 8	5
Student Lecture, Day 9	5
Practical Final	35
GPS	10
Assignment	Points



About SSL

- **LECTURE OR LAB NO FB, ESPN, MOVIES, ... YOU WILL BE ASKED TO LEAVE!**
- REMEMBER TO SILENCE PHONES
- DRINKS NOT ALLOWED!
- ALL DEADLINES ARE FINAL
 - No late work will be accepted
- 10 DAY COURSE
- YOU CAN MISS 8 HOURS WITHOUT DOCUMENTATION
- YOU CAN MISS A MAXIMUM OF 16 HOURS (WITH EXCUSABLE DOCUMENTATION)
 - Either two 15-minute breaks or one 30-min during lecture
 - In labs, no official break.
 - If you arrive 15 minutes after the start of lecture or lab, you are 2 hours out
 - If you will miss class, contact me ahead of time. **Be proactive!**



About SSL

❖ Turning in:

❖ **DO NOT COMMIT YOUR VIDEOS!**

send the video link in a document instead

❖ All labs/assignments will be turned in to our **GIT** at:

❖ `git@wddbs.com:SSLX`

❖ Name your files as: **lastname_firstname_lab#.zip**



About SSL

Server-side scripting is a web server technology in which a user's request is fulfilled by running a script directly on the web server to generate dynamic HTML pages.

It is usually used to provide interactive web sites, that interface to databases or other data stores.

Different from client-side scripting where scripts are run by the viewing web browser, usually in JavaScript.

The primary advantage to server-side scripting is the ability to highly customize the response based on the user's requirements, access rights, or queries into data stores.

About SSL



PHP

PHP is a widely-used general-purpose scripting language.

Procedural vs. OO

Getting ready for frameworks.



Coldfusion

Server side scripting language.

Designed to create data driven websites.

Remote services.



Let's get started

MAMP

RAILO

FIREFOX

FIREBUG

CODE EDITOR

GIT REPO

KEYS SETUP



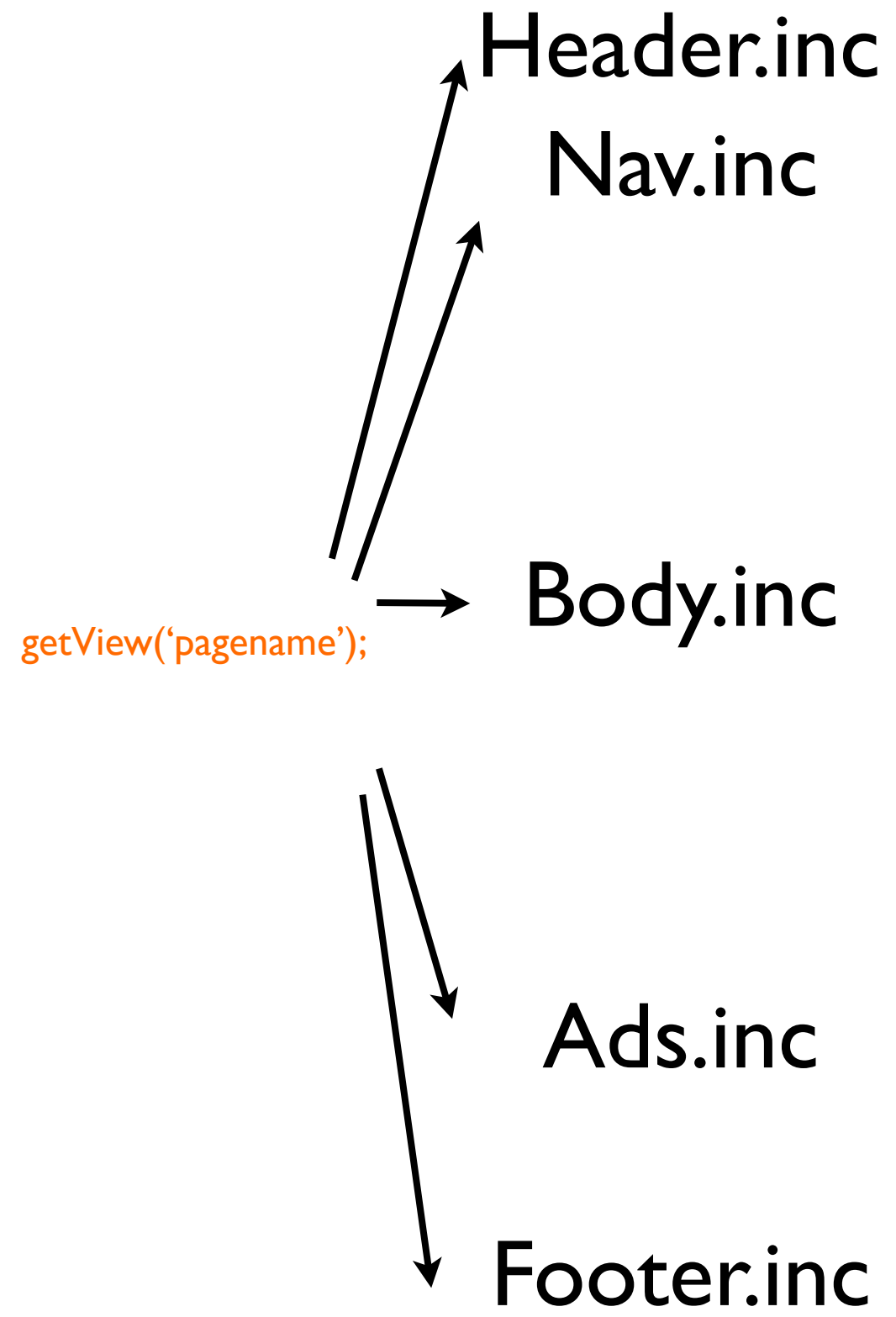
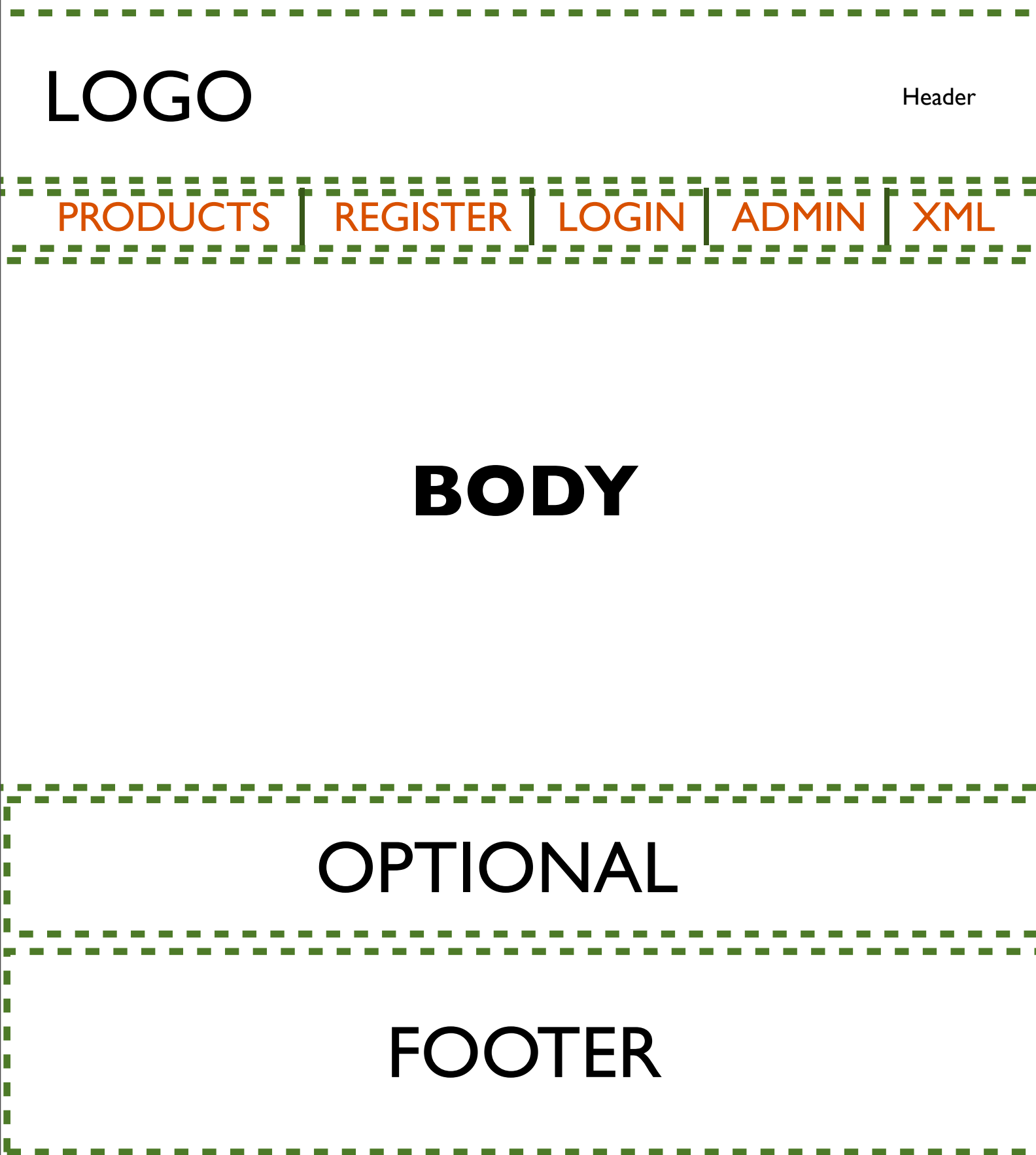
Header.inc
Nav.inc

Body.inc

Ads.inc

Footer.inc

`getView('pagename');`





Today's Lab (I)

Lab #1 Part I

In this lab you will apply the Model-View-Controller pattern to divide your static HTML files into View classes that encapsulate common page and site elements, such as headers, footers, navigation, etc. **Second** part is to design a database for your application. Do this in Sequel Pro and apply what you learned in your database class.

CF includes and Redirects

```
<cfinclude template="footer.cfm">
```

```
<cflocation url="/new_location.cfm">
```

```
<cfheader name="Location" value="http://www.quackit.com/  
coldfusion/tutorial">
```

```
<cfdump var="variable_name">
```

PHP

```
<? require_once("mypage.php");?>
```

```
<? include("mpage.php");?>
```

```
<? header(location:mypage.php);?>
```




Today's Lab (I)

Lab #1 Part 2

In this lab you will apply the Model-View-Controller pattern to divide your static HTML files into View classes that encapsulate common page and site elements, such as headers, footers, navigation, etc. **Second** part is to design a database for your application. Do this in Sequel Pro and apply what you learned in your database class.

EXAMPLE SIMPLE DB

Users_tbl Items_tbl Emails_tbl

User_name	Item_name	Email_id
User_pass	Item_detail	User_id
User_id	Item_id	User_email