**Mini Project One**

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**Directive Unknown Productions**

**Site:** <http://lamp.cse.fau.edu/~aedwar50/>

**Purpose:**

The purpose of this site was to create a very simple and nice application development company website.

**The Design:**

One thing you’ll notice is that there is no side bar. Yes, that’s right, no side bar. I wanted to get away from this idea that we always have to have a side bar. If you notice on a lot of websites the side bar is pretty much just a copy of the top navigations bar, with some added extras. With my theme/template there are no sidebars because with you need to get to it, I will provided it.

Another thing in terms of the design was to keep it simple. One very important lesson we can learn from apple is simplicity is key.

**Time:**

The most time consuming part of building this site was the CSS. I had to make sure that everything had the proper height and width. The infrastructure was also very time consuming, making sure I laid out my div’s correctly.

**Tools:**

The tools I used to complete this project were Text Wrangler, Adobe Dreamweaver CS5, Gimp, Photoshop, FileZilla and an assortment of browsers. Text Wrangler and Dreamweaver were used only as an IME. I did not use the drag and drop part of Dream weaver, the only reason I like to use Dreamweaver is because of the auto text filler. In other words it’s easier and faster to type in Dreamweaver; also you don’t have to search for things you forgot it’s all there. Gimp and Photoshop were used to create the top banner and some other logos. FileZilla was used to upload all the files to the FAU server through SSH. In the end every single tool had its unique capabilities and were all essential to the completion of this project.

**Webpages:**

Home – displays information about the IOS, Android, and Web application market.

Contact – is a form that allows people to contact us by email. The form has an interesting feature that will redirect to a confirmation page displaying a thank you message to the person sending the message, with some added information embedded in the thank you message.

About – describes the company and what we are about.

Member’s area - fully operational user data base.

**Captcha (Needs Work)**

All contact us, registration, and general server request forms have a captcha function. This function is to minimize spam and bot hacks. By doing so it protects the server from useless inquires and it also minimizes the server processing load.

Unfortunately, due to time constraints I was not able to get the captcha function fully operational. I hope this will not count against me, see that this was not a required element.

The captcha was provided by html-form-guide.com, I take no credit for written source code. I only implemented the captcha to work with the site.

**MySQL User Database**

**Login (Fully Operational)**

I have created a tester login username and password on the MySQL database for you (the professor or grader).

Tester Login Information:

First Name: First

Last Name: Last

Access: Tester

Email: [test@localhost.com](mailto:test@localhost.com)

Status: Active

IP: 127.0.0.1

Date: 9/16/13

Username: Tester

Password: tester123

How to Login:

1. Click the members’ button on the top navigation’s bar.
2. Click Login.
3. Username: Tester
4. Password: tester123
5. Click the Login button
6. You’re Done!

If you login you will noticed that it starts a new session for that user. It also un-hides the hidden piece of source code in the drop down menu. This piece of source code creates a logout drop down option, which allows the logged in user to logout successfully and end the session.

**Registration (Fully Operational)**

I have also included the ability to register users with an initial registered account privilege. What this means is, visitors can now register on the site from the clients side. By setting the initial registering privilege to “registered”, it does not allow new users to edit or manipulate the site in any way. At this point in time, it only allows the hidden source code mentioned earlier to be shown.

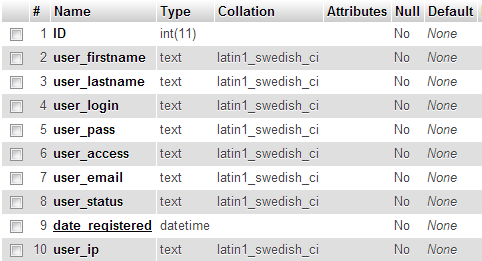
How to Register:

1. Click the members’ button on the top navigation’s bar.
2. Click Register
3. Fill out all fields
4. You’re Done! You can now login.

**SQL Injection Prevention (Fully Operational)**

I have taken proper information sanitization steps to insure a SQL injection free zone. By using functions like stripslashes (), which removes slashes from queried values, and md5 () encryption, which encrypts all user’s passwords. I have minimalized the event of an SQL injection taking place. This is not to say, that an injection cannot happen but this will minimize the risk.

**SQL Architecture**



**Cookies (Not Used)**

I have chosen not to use cookies throughout this project. The reason for this is cookies can be easily manipulated from the clients side. What this means is, users could pose as other users or have access to something they shouldn’t have.

**Browser Compatibility/Testing:**

**Google Chrome: (Fully Operational)**

**Firefox: (Fully Operational)**

**Others (Not Tested)**

So far I have tested the website using Google Chrome and Firefox. After good amount of testing I can conclude that the site is fully operation on these to browsers. This is not to say that there are no problems with Chrome and Firefox, but simply to say it works. Due to time constraints I am not able to perform a full 99% check on the site.

**Mobile Website: (N/A)**

Unfortunately, I was not able to put together a mobile compatible site before the dead line. Seeing that this was not in mini projects one criteria, my attempt to get extra credit was cut short.

**Site Map:**

Home:

* About
* Contact
* Member
  + Login
  + Register
  + Logout

**Additional Credit:**

I would like to give credit to the people listed below for their images/work.

Slider image 2 – “Labs” by Marko Puusaar

Slider image 3 – “Business Done Properly” by Håkan Dahlström

Captcha code: Simon Jarvis

All other items were made by me or were free to uses by the original creator.

**Conclusion:**

The overall project was a great experience. The project helped me fine tune some of my skills as a web developer. I was also introduced to new things like boot strap. One thing I like the most about boot strap is that most of the design work as already been coded for me and all that’s left to do is to manipulate it in that way I want to manipulate it.