Greg Saul
coding resume
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Experience:
In the past relevant experience that I have gained in working with PHP:

Databases: Setting up and utilizing existing mySQL and LDAP databases using *PHP*.

Image processing: Using the GD module for server site manipulation and processing through *PHP*.

Team work: Working with other designers in integrating design and layout of a web application into code.

Template systems: Working with current templating systems to allow for changes in layout at future dates without recoding.

Content: Working with clients and other designers to add content to websites. Providing content management systems that allow users or clients to add and modify information on a website without the need of a technical understanding or modifying scripts.

Access control: Providing applications that require a user to login to view content. Building ACL's (access control limits) to prescribe permissions for viewing adding and editing content in a web application.

Flash: I have some experience in using flash and action script.

Modification and adaptation: Working with other's code in performing simple modifications and adding of new features to open-source scripts.

Integrating scripts: Multiple existing *PHP* applications and integrating them, for example a single user database for multiple web based applications.

Infrastructure and hardware: Related to *PHP* I have experience in setting up web servers and other hardware for company websites and applications.

My Process:
In developing a web application my process is usually as follows;
- Meeting or emails with client to discuss brief
- Follow up report outlining project specifications, possibilities and deliverables.
- Second iteration of report.
- Code planning through diagramming.
- Code writing development.
- Code testing.
- Code testing and evaluation by client.
- Feedback and modification.
- Code documentation
- Project completion

Structure:
My general approach to coding is a procedural coding approach with a modular framework. With different parts of the program split up into multiple files for ease of customization at a later date. When the size of the permits I will often take an object orientated approach to the whole project. This allows for good code reusability and an easily understandable structure to large projects.

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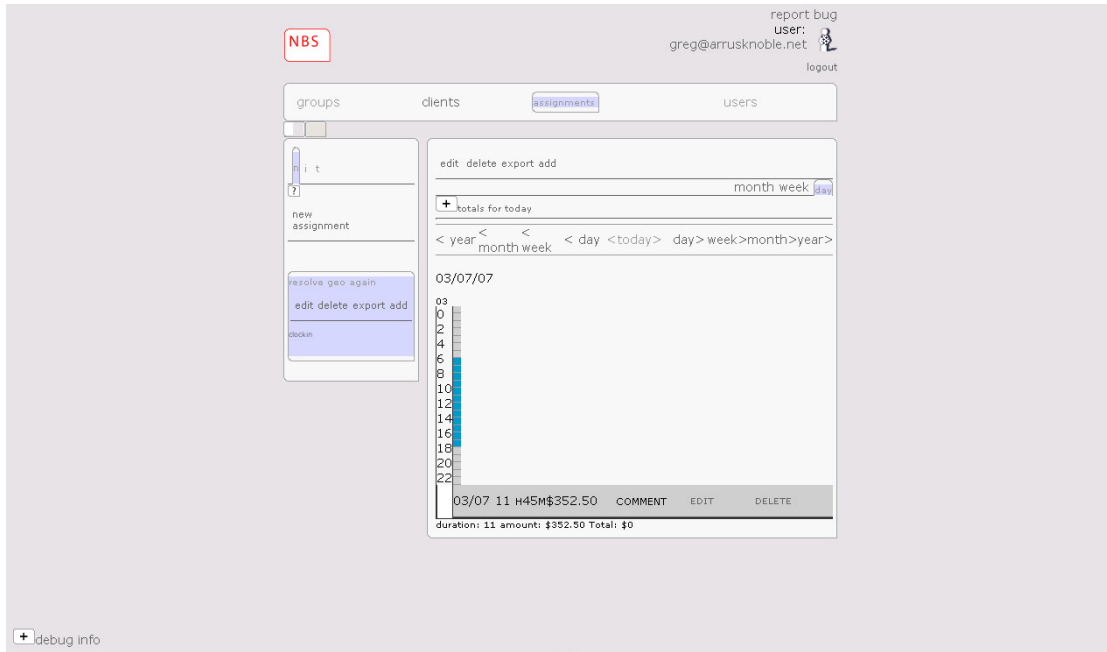
Examples of work:

NBS timesheets :

This is a *php* based time logging application designed to track and report time spent on different projects.

For this project an object oriented approach was taken,
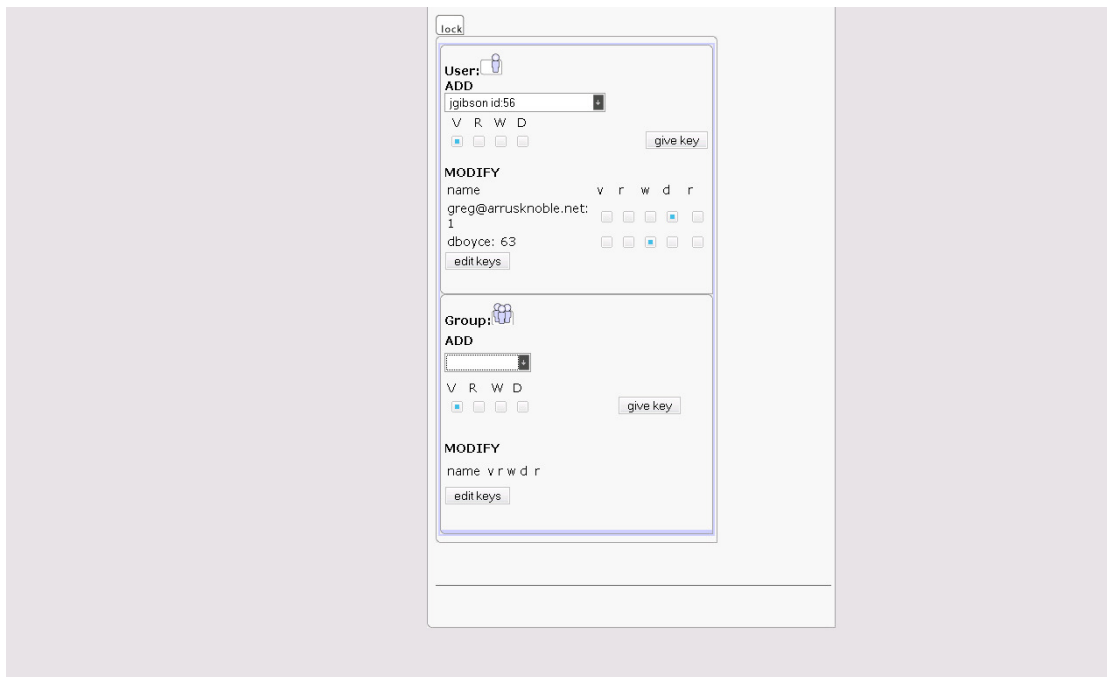The application provides the following features:

- User and group management
- Logging of time and expense entries by users.
- Ability to export time and expense entries as an html page or a pdf document.
- Advanced ACLS that allows permissions to be set on any item in the system, for example assignment time entries can be shared with a co worker with just read permissions or with the ability to write entries as well.
- Template system for layout that allows template and layout to be edited separately from code.
- A user icon creation system written in *php* that allows users to modify the icons used to represent them. Since this is only a modification, icons keep coherence between each other.
- Clock in and out functionality for time tracking
- Errors handling for script, all *php* errors are collected and displayed in an error console on the page then these are emailed to the site admin.
- User notification, site administrators can leave messages for a specific user.

Month view: In this screen you can see a visual representation of time spent on a specific project for each day of the month, new time entries can be added for a specific day by clicking on the "+" button for that day.

NBS

groups   clients   assignments   users

ni t
?
new
assignment

resolve geo again
edit delete export add
clockin

edit delete export add

month week day
totals for today

< year < month < week   < day <today> day> week>month>year>

03/07/07

03
0
2
4
6
8
10
12
14
16
18
20
22

03/07 11 н45м $352.50   COMMENT   EDIT   DELETE

duration: 11 amount: $352.50 Total: $0

+ debug info

Day view: time and expense entries can be seen as a graph in a day view.

lock

User:
ADD
jgibson id:56
V R W D
                              give key

MODIFY
name   v r w d r
greg@arrusknoble.net:
1
dboyce: 63
edit keys

Group:
ADD

V R W D
                              give key

MODIFY
name v r w d r
edit keys

Permissions view: time editing the permissions of an assignment.

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Project: personal website
This is a small website that I created for myself whilst I was working as a freelance *php* programmer. I wanted the website to be friendly and to the point.

As a fun small feature users were able to select a "style" of their frog that would be remembered.

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Project: Company portal:
In this project I integrated different open source *php* scripts to authenticate pre-existing company users stored in a company LDAP database.

The portal page would allow a company user to log into the company portal and have access to company web applications that an administrator had given permission for.

The aim of this project was to provide a single point of authentication and administration for many different web applications used in a company.
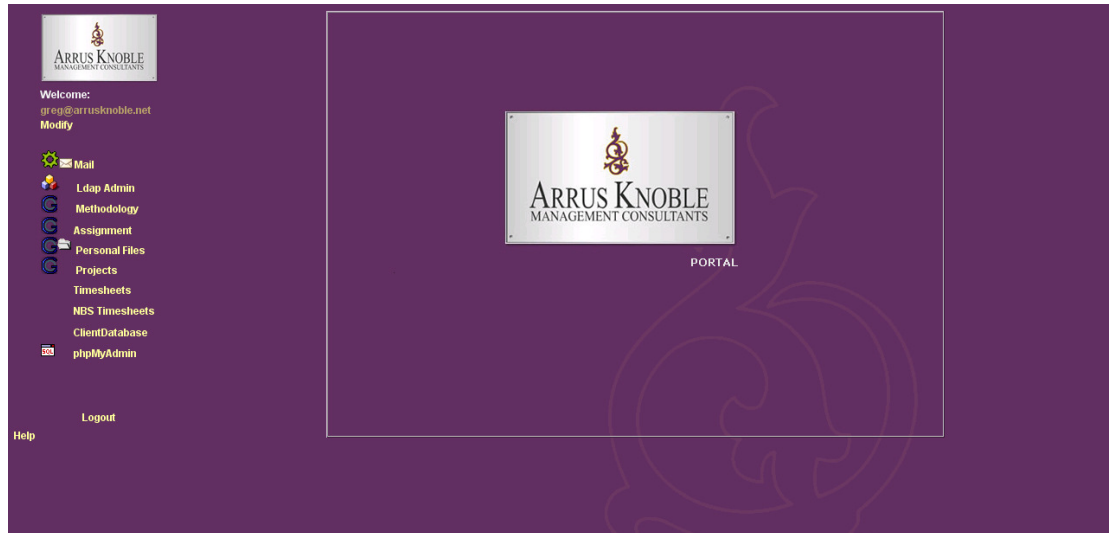
Project: Shared Assignment Files
An example of an open source application that I modified to meet a businesses needs.
In this project a personal online file storage system was taken and given the ability to manage files among different users and groups, check in /out functionality was added to files plus the ability to share files and folders based on current company users and groups.

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