

**Name:** Laura Perttunen

**Major:** EMAT

**Advisor:** Santiago Echeverry

**Project:** Designing a website for a US-based company, PCI, that sells retail application software.

**Current Site:** [www.pciusa.com](http://www.pciusa.com)

**Newly Created Site:** [www.scifidragon.com/pciusa](http://www.scifidragon.com/pciusa)

I was in email contact with two people from PCI, Alastair and Chris. My main correspondent was Chris, who gave me feedback and told me what he wanted done. Once they had chosen what they wanted the site layout to be – Top banner, drop down bar menu, main content area, and right side bar, I set to work on creating the website, emailing them every step of the way to get feedback and their approval of what was done before I continued. Chris wanted the color scheme to be in blues, and for certain menus to be available on the right side bar, namely a contact menu, product logos, and a news section. He wanted a Tampa skyline picture included in the top banner, the background color of the page to be blue, and the menu bar to be continuous.

I created the site using php script to link in pages in the main content area under the top banner and drop down bar menu. The content pages all have the same layout, so it is easy to create new pages. The side bar areas are separate php files that are called in with php script, so they are easy to update and not have to worry about going through every single page of the site. Chris specifically asked for curved edges on the main content area, which I did using photoshop to make the rounded edges, and used a table to set them around the main content area. The news articles link to the specific stories on the news page. The images are from a free stock photo site and have been given rounded edges to make them more streamline with the content area.

The contact forms for sales, support, and how to buy were created with [www.emailmeform.com](http://www.emailmeform.com) and the log in information was sent to Chris. The code for the forms was modified when I included it in the pages. Note that the contact forms are designed to work for when the site goes live on [www.pciusa.com](http://www.pciusa.com) and will not work currently on the scifidragon domain. I explained to Chris how I created the site and how pages are linked in, and made all the changes he wanted, including justifying the text, changing the product logos for their new updated version, changing phone numbers, adding pages and removing pages. The current date for copyrights is displayed at the bottom of the pages using javascript. Chris and Alastair will be emailed all the files for the website.

Home page:



**PCI**  
Making Assessment, Billing  
and Collection as easy as ABC

Home Products Services Clients Contact Us About Us News How to Buy

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[Home](#)

We at PCI provide payment, billing and accounts receivable solutions for use within Government. Our premiere products include Revenue Collection System (RCS) and Revenue Billing System (RBS).

All of our products are powerful, easy to use windows based systems designed to help any organization accelerate billing, and receipting of revenue, minimize cash handling losses and improve the overall accountability of the entire process. PCI solutions are designed to interface to your existing systems whether they are PC, mini or mainframe based to provide consolidated billing and receipting of many different types of payments.

Please take a moment to browse our site. You will find that we provide comprehensive systems for billing, cash receipting and receivables management. They can be combined with other available modules (Imaging, internet payments, remote kiosks, remittance processors, etc.), to create a billing and receipting package that is unparalleled in the industry. In addition, PCI provides custom software design and consulting allowing us the flexibility to design a system to meet your specific requirements.

PCI offer a fully integrated retail management system designed for every need that the modern retailer has in today's competitive retail environment. We offer retailers the means to better understand their business, everything from real time reports on till activity to accurate and real time stock information.



PCI's **my Revenue System (RBS)** is a scalable, multi-user, client-server application that provides users with a consolidated billing application for almost any bill type. Customer billing information of all types can be billed, tracked and reported in one application and, in most cases, one screen.

**my Revenue Collector (RCS)** is a consolidated cashing solution designed to be a centralized payment system/database for City and County Government to receipt all types of revenue whether they are Taxes, Utilities, Permits, Fees and Fines etc.

**Contact:**

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Email: [Sales](#)  
Sales Number: (800) - 724 - 5552

Email: [Support](#)  
Support Number: (866) - 328 - 8584

**Products:**

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**News:**

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[PCI launches retail services division](#)

PCI is pleased to announce the launch of its retail services division to be hosted from it's offices in Tampa, FL.

[PCI attains Microsoft Gold Certified Partner status](#)


PCI has demonstrated a high degree of competency in working with Microsoft technologies and has been awarded Certified Partner status.

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Contact Page:



**PCI**  
Making Assesment, Billing  
and Collection as easy as ABC



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[Home](#)   [Products](#)   [Services](#)   [Clients](#)   [Contact Us](#)   [About Us](#)   [News](#)   [How to Buy](#)

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[Home](#) - [Contact Us](#) - [Sales](#)

Please complete the form below or call  
(800) - 724 - 5552

**Sales Contact Form**

Name

Title

Organization

Work Phone

E-mail

URL

Message

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**Image Verification**

Please enter the text from the image  
 [ [Refresh Image](#) ] [ [What's This?](#) ]

PCI Inc  
4893 West Waters Avenue  
Suite E  
Tampa  
Florida 33634

Phone: (800) - 724 - 5552  
Email: [pcisales@pclusa.com](mailto:pcisales@pclusa.com)

**Contact:**



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Email: [Sales](#)  
Sales Number: (800) - 724 - 5552

Email: [Support](#)  
Support Number: (866) - 328 - 8584

**Products:**

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**News:**

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## Product Page:



**PCI**  
Making Assessment, Billing  
and Collection as easy as ABC

Home Products Services Clients Contact Us About Us News How to Buy

Home - Products - RBS: my Revenue System

### my Revenue System

PCI's Revenue Billing System (RBS) is a scalable, multi-user, client-server application that provides users with a consolidated billing application for almost any bill type. Customer billing information of all types can be billed, tracked and reported in one application and, in most cases, one screen.

**System Architecture** – RBS is a full Windows-based product. The server utilizes the NT 4.0 or 2000/2003 operating system and the database is either SQL Server 7 or 2000. Workstation operating systems supported are Windows 98, 2000, ME, or XP (recommended). RBS is written in Visual Basic 6.0 and Visual Basic .Net using COM+/MTS, XML, and N-tier design technologies for maximum scalability and reliability.



RBS supports hundreds of Billable Types such as Real Estate, Personal Property, Business Licenses, Transient Occupancy Tax, Franchise Tax, Meals Tax, Bank Stock Tax, Sales Tax, etc. and hundreds of Sub Types – for instance, Personal Property would have Sub Types such as Vehicles, Merchants Capital, Airplanes, and Mobile Homes etc.

RBS accommodates hundreds of millions of accounts and allows multiple owners per account, allowing the user to attach as many people responsible for each bill as needed to ensure payments are made. Each account has all of the bill types and sub types attached to it providing a consolidated view of all billing histories. Because all customers on an account point to a single address, there is no duplication of billing data.

The Tax Calculation Process in RBS is modular. Each module can be adapted to the user's business requirements, thereby allowing for multiple calculations through the taxation process. Modules include:

- **Assessment method options** - Mass Appraisal, NADA, entered amount, fixed amount, etc.
- **Pre tax discount options** - High mileage, homeowner's exemption, senior citizen, etc.
- **Taxable Value Transformation Options** - Flat %, cumulative or simple depreciation, etc.
- **Tax Calculation Options** – Flat rate per specified taxable value.
- **Post Tax Calculation** – any other calculation, discounts, or delinquencies.

RBS users can search for accounts using different pieces of information, including name, address, phone, account number, customer number, item number, bill number and e-mail address.

RBS contains user maintainable prompts that can be modified and rearranged as needed, allowing for additional information to be gathered through RBS at the time of entry.

RBS transfers information from account to account with a minimal amount of keystrokes.

If a change is made to a billable type in RBS, the user can process all installments for the changed tax year right then.

RBS is designed to provide the user with tools they need right at their fingertips, including interfaces to word processors and spreadsheets, with the ability to email information and use free form note fields.

RBS provides for extensive security not only on the user, but workstations, menus and applications.

**Contact:**

Email: [Sales](#)  
Sales Number: (800) - 724 - 5552

Email: [Support](#)  
Support Number: (866) - 328 - 8584

**Products:**



**News:**

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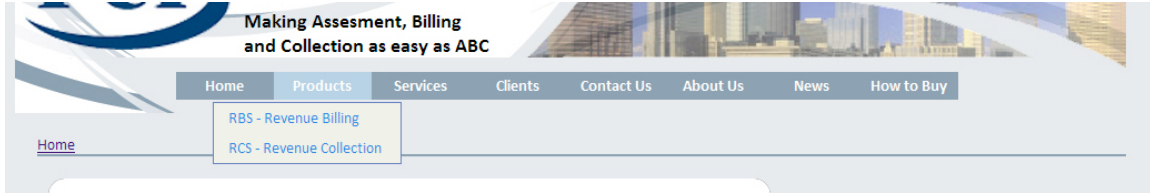
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## Example of Drop Down Menu:



The drop down menu is dynamic and the boxes smoothly move up and down when the menu button is scrolled over.

## Sample of Php Code Used to Link in Pages:

```
<?PHP
```

```
$page = $_GET['page'];  
$page = str_replace("<", "*", $page);  
$page = str_replace(">", "*", $page);  
$page = str_replace("/", "*", $page);  
$page = str_replace(chr(13), "<br />", $page);
```

```
$valid_pages =
```

```
array('home','services','news','clients','ars','products','rbs','rcs','aboutus','contactus','howtobuy','thankyou','sales','support');
```

```
if(in_array($page, $valid_pages))
```

```
{
```

```
switch($page)
```

```
{
```

```
case "home": include("home.php"); break;
```

```
case "services": include("services.php"); break;
```

```
case "news": include("news.php"); break;
```

```
case "clients": include("clients.php"); break;
```

```
case "ars": include("ars.php"); break;
```

```
case "products": include("products.php"); break;
```

```
case "rbs": include("rbs.php"); break;
```

```
case "rcs": include("rcs.php"); break;
```

```
case "aboutus": include("aboutus.php"); break;
```

```
case "contactus": include("contactus.php"); break;
```

```
case "howtobuy": include("howtobuy.php"); break;
```

```
case "thankyou": include("thankyou.php"); break;
```

```
case "support": include("support.php"); break;
```

```
case "sales": include("sales.php"); break;
```

```
}
```

```
}
```

```
else{
```

```
include("home.php");
```

```
}
```

```
?>
```