

Wasim Akhtar
RECENT PROJECTS

COMPANY	PROJECT DETAILS
Provanta Corporation San Jose, CA	DEBT MANAGEMENT SYSTEM (2002/2011) <ul style="list-style-type: none"> ○ This client/server database management system was customized for a leading debt management company ○ It integrates all activities related to the company's Client Services, Account Services, Settlement Services, Electronic Funds Transfer, Accounts Receivables, as well as Agent Commissions ○ It automatically creates tasks for departments and users when an event occurs, or a client or case status changes ○ It creates hundreds of automatic offer letters every day based on funds available in the client trust accounts ○ It creates and submits electronic fund transfer requests to a clearinghouse and posts the results back to the database ○ The application is designed to work with MS-Access 2000/2003 front-end and MS-SQL Server 2000+ back-end
Major User San Jose, CA	COIN COLLECTION SYSTEM (2007/2011) <ul style="list-style-type: none"> ○ Created a system for tracking, managing and marketing coin collections ○ It can handle unlimited collection images, as well as details about each coin in the collection and their grading condition ○ The application is designed with MS-Access 2007 front-end with an MS-SQL Server 2008+ back-end
A National Bank San Francisco, CA Phoenix, AZ Portland, OR	CURRENCY TRANSACTION REPORTING SYSTEM (2008/2009) <ul style="list-style-type: none"> ○ Developed an enterprise-level, intranet Web application to manage, process and report currency transactions as required by Federal Regulations CTR 010 and 020 ○ Extensive search capabilities were created, which interacted with the database through stored-procedures ○ The user interface made extensive use of the Grid View, including code to customize its behavior based on the underlying content and user mode. Data contained in each Grid View was exportable as a spreadsheet. ○ Access to all Site Map Nodes was determined through roles assigned to each user ○ The application included a File Watcher Service that monitored a network folder whenever new files arrived and loaded the data automatically into the database. Data and format related errors and/or messages were posted into the Server's Application Event Log, as well as sent Email notification based on parameters specified in web.config. ○ The front-end was developed in C# using Visual Studio 2008, and the back-end used MS-SQL Server 2008

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<p>Thomas Weisel Partners</p> <p>San Francisco, CA</p> <p>New York, NY</p> <p>Mumbai, India</p>	<p>CONVERTIBLES TRADING SYSTEM (2007/2008)</p> <ul style="list-style-type: none"> ○ Created the major portion of a complex, yet flexible, sales and trading system for convertible bonds and stocks ○ The application displayed live trading data from Bloomberg on various forms ○ The front-end used Windows Forms technology and User Controls, which allowed each user to customize their user interface by moving, opening or closing dock able panes as and when needed ○ The user interface made extensive use of Infragistics controls, such as the Dock Manager and UltraWinGrid ○ The front-end was developed in C# using Visual Studio 2005, and the back-end used Oracle 10g Database
<p>Trend Micro</p> <p>Cupertino, CA</p> <p>London, England</p> <p>Singapore</p>	<p>DATA MIGRATION PROJECT (2007)</p> <ul style="list-style-type: none"> ○ Created data migration plans, QA procedures and Use Cases for moving mission critical data to a new system ○ Source System: Partner Web – An internal application built on .NET Technology for managing Partner Profiles, Not For Resale Orders and Sales Opportunities ○ Destination System: Partnership Resource Manager – A vendor supported, template-driven application ○ This project required interfacing with an international team working on three different continents
<p>Alliance Bancorp</p> <p>Brisbane, CA</p>	<p>DATATRAC TOOLS – MS-EXCEL ADD-IN (2006/2007)</p> <ul style="list-style-type: none"> ○ Created several tools for loading into and extracting mortgage data from corporate databases including DataTrac, FICS and Empower ○ These tools were used to support Secondary Marketing and Warehouse Banking ○ Add-Ins Created: Post Commitment Data, Reset Commitment Data, Post Loan Data, Confirm Locks, Post Conduit Data, Post Purchased Loans, Update Shipping Status, Update Status Codes, Transfer Warehouse Banks, Download First Collateral, Comerica & RFC Loans, and Create New Loans in DataTrac
<p>Alliance Bancorp</p> <p>Brisbane, CA</p>	<p>DATA MANAGEMENT SYSTEMS (2006/2007)</p> <ul style="list-style-type: none"> ○ Created a Securitization Management System for tracking, managing and marketing mortgage-backed securities ○ Created a Servicing Data Transfer System for extracting data from DataTrac and loading it into FICS ○ Created a Contact Management System for housing contact information for sharing across the enterprise ○ The application was designed with MS-Access 2007 front-end and MS-SQL Server 2005 back-end

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<p>Major Publisher</p> <p>Clifton Park, NY</p>	<p>MEDICAL OFFICE SIMULATION SOFTWARE (2003/2005)</p> <ul style="list-style-type: none"> ○ This software has been packaged with a book for teaching medical office billing ○ Its primary purpose is to realistically simulate patient scheduling, billing and payment processing in medical offices ○ It is a fully functional database that gives the readers hands-on training in medical billing by working the step-by-step examples and exercises in the book ○ This application is also going to be used with future medical office assisting and healthcare insurance books ○ This application was officially distributed with more than 250,000 books ○ The application was developed in MS-Access 2000 with update plans for MS-Access 2003
<p>Descartes Capital</p> <p>San Rafael, CA</p>	<p>CORPORATE SECURITY ARBITRAGE ANALYTICS SYSTEM (2003/2005)</p> <ul style="list-style-type: none"> ○ This software was used by a startup hedge fund to process and manage stocks and bonds trades ○ It includes an integrated quote-trade form to manage all types of securities using a common interface; such as, convertibles, straights, stocks, futures and credit default swaps. ○ It automatically creates files for processing by the various brokers involved in the daily trades ○ It also has seamless integration with a custom risk management model used for hedge fund trading ○ The system was used to manage investments of more than \$1.5-billion US Dollars ○ The application was developed in MS-Access 2003 with plans to port the back-end to MS-SQL Server 2005
<p>Descartes Capital</p> <p>San Rafael, CA</p>	<p>TERRAIN – Excel Add-In (2004/2005)</p> <ul style="list-style-type: none"> ○ Excel 2002 Pivot Tables were being used to analyze investment-related data of a large number of companies ○ The Pivot Table data was stored in an MS-Access 2002 relational database model ○ Since Pivot Table records are read-only, this tool was being developed to allow edit, add and delete capabilities to that data from within MS-Excel ○ The users were free to arrange the Pivot Table columns into any combination for their analysis ○ This tool created an Excel form to match the current Pivot Table configuration, which allowed the user to create a copy, modify or delete the selected record ○ The modified records were posted to the database and round-tripped back to the current Excel Pivot Table ○ This tool made extensive use of Excel 2002 Document Object Module through Visual Basic for Applications

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<p>RMS Inc.</p> <p>Newark, CA</p>	<p>DATA WIZARD Version 2 (2004)</p> <ul style="list-style-type: none"> ○ This was an upgrade of an existing MS-Excel add-in ○ The original add-in was designed to identify data incompatibility issues and clean Excel spreadsheets before submitting the data to their various risk management applications. ○ I was responsible for the task of breaking the original wizard (which worked serially only), into discrete steps so that a user could perform the same functions, but in a more flexible manner. ○ Added several new features that color-coded records of interest, as well as highlighted data formatting issues. ○ The original version was also modified to be backward compatible with MS-Excel 97
<p>TouchView Systems</p> <p>Los Altos, CA</p>	<p>TOUCH VIEW SURVEY SYSTEM (2004)</p> <ul style="list-style-type: none"> ○ This software is being developed to create on-the-fly multilingual surveys for use with touch-sensitive screens ○ It creates interactive survey slides based upon the parameters selected, including fonts, colors and graphics ○ If a slide layout is not specified, the software creates the layout automatically ○ It displays the questions in the language selected by the user and tracks their responses in the same language ○ Each survey question and answer screen can use a variety of formats, ranging from a simple Yes/No to tabular grid ○ For questions requiring verbatim or typed-in responses, the software displays a language-sensitive, on-screen soft keyboard that can be used to enter responses ○ The application is being developed in MS-Access 2003
<p>Medical Technologies International</p> <p>Ellicott City, MD</p>	<p>PATIENT OFFICE ENCOUNTER TRACKER (2002/2003)</p> <ul style="list-style-type: none"> ○ A Pocket PC 2002-based database management system (DBMS) for the use of physicians for managing patient visits at clinics and hospitals ○ The system imported patient's data from servers and passed it to iPAQ handhelds/PDAs. The physicians used the iPAQs to report their findings and order procedures. The data was then exported to the servers for billing purposes. ○ It had an integrated voice-recording tool through which physicians could leave instructions for their office staff ○ The system was built using Embedded VB 3.0 and allowed integration with departmental or enterprise-level Access or SQL Server databases ○ It also included an MS-Access 2000 workstation module for synchronizing data with PDAs and corporate servers

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<p>Credit Suisse First Boston – Technology Group</p> <p>Palo Alto, CA New York, NY</p>	<p>EVENT REGISTRATION MANAGER (2001/2002)</p> <ul style="list-style-type: none"> ○ A highly customized MS-Access 2000/SQL Server-based DBMS for managing events hosted by the technology group of this very successful equity investment bank ○ The user interface is created on the fly based upon each event's profile and activities that are customizable by the users. The Visual Basic for Applications (VBA) code for this feature spans thousands of lines. ○ Special emphasis was placed on making the interface simple and intuitive to require little or no training. Yet, be powerful enough to automate all processes possible ○ Registration data from each event's website is pulled into the database automatically regardless of differences in website contents. Flexibility of design allows the system to be used in a variety of environments, including centralized server, replication of distributed data and onsite set up for an event. ○ The system was designed to work with both MS-Access 2000 and MS-SQL Server 7/2000 Back-Ends
<p>BayArea.NET User's Group</p> <p>San Jose, CA</p>	<p>PHONE NUMBER TO PHONICS CONVERTER (2002)</p> <ul style="list-style-type: none"> ○ This program converted phone numbers into words found in a dictionary. It includes both Web Forms and Windows Forms versions of .NET ○ This pilot project was implemented by the VB.NET Users Group to showcase the integration of Microsoft VB.NET with speech technologies ○ I assisted in adding voice-recognition and speech capabilities to the web-based application using Microsoft Speech SDK. So, instead of typing, a user could speak a phone number into the system, and the system would respond with the results through voice, as well as text display.
<p>US Bancorp Piper Jaffray</p> <p>Menlo Park, CA</p>	<p>MARKETING DATABASE (2001/2002)</p> <ul style="list-style-type: none"> ○ An Access 2000-based DBMS used to manage marketing activities of investment bankers and analysts ○ The system pulled contact data from bankers' Excel spreadsheets from various locations on the network, created challenges for duplicate companies and wrote the current status for each company on the spreadsheets ○ The system automatically applies complex business rules to determine winners and losers of challenges ○ It included a powerful querying tool through which users could create their own ad-hoc queries and create custom reports with their choice of fields and filters. These ad-hoc queries could be saved and run whenever needed. Each user had the ability to create practically unlimited number of customized queries for their own use. ○ The system was set up with four regional replication servers that synchronized data with a central server

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<p>General Sales Agent</p>	<p>AIRLINE REVENUE MANAGEMENT SYSTEM (2000)</p> <ul style="list-style-type: none"> ○ An enterprise-wide MS-Access-based DBMS with nearly 300-hundred user-managed forms and reports ○ It integrated processing of passenger and cargo revenue generated by several major international airlines ○ It was designed to operate in a pseudo-wide area network that was linked with on-demand dial-up connections ○ Data from off-site counters and offices could be transferred through dial-up connection or disk transfer ○ It allowed one-stop handling of sales revenue from daily counter sales, as well as fortnightly agent sales ○ Each user's access was controlled through a profile that determined his level of access for each form and report ○ The system was designed to work with both MS-Access and MS-SQL Server Back-Ends
<p>Partech International</p> <p>San Francisco, CA</p>	<p>DEAL LOG AND CONTACT MANAGEMENT SYSTEM (2001/2002)</p> <ul style="list-style-type: none"> ○ A simple-to-use MS-Access 2000-based system used to track business leads and contact status ○ Special emphasis was placed on designing the system so that the users could take the data with them when traveling or off-site ○ Data was synchronized between workstations and two customer sites through Replication Manager ○ The system's flexible design allowed one-click synchronization of data with the server replica over local area networks (LANs), dial-up connections or virtual private networks (VPNs) ○ The system also has a powerful ad-hoc querying and reporting tool, which allowed users to create and store their own queries through a simple user interface
<p>Garment Factory</p>	<p>SALARY MANAGEMENT SYSTEM (2000)</p> <ul style="list-style-type: none"> ○ An MS-Access-based DBMS with easy-to-use navigation and interface using the Calendar OCX ○ It performed automatic calculations of salary, overtime, advances and loans ○ It calculated and assigned salary increases and yearly bonus based on length of service ○ It even calculated the number of bills and denominations needed for dispersing wages to each employee ○ Each user's access was controlled through a profile that determined his level of access for each form and report ○ The system was designed to work with MS-Access

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Wholesaler/Retailer	<p>PHARMACY DISTRIBUTION MANAGEMENT SYSTEM (2000)</p> <ul style="list-style-type: none"> ○ A multi-tiered, highly-integrated MS-Access DBMS for managing, purchasing, warehousing and distribution of medical supplies and pharmaceutical products at the national level ○ It handled invoicing and billing at the wholesale, as well as the retail level for clients and suppliers based on company profile ○ It generated purchase orders based on pre-determined ordering schedules and inventory levels ○ It included modules for – <ul style="list-style-type: none"> – Head Office ordering and supplier status – Depot receiving and shipping – Retail store fronts – Billing and Accounting
Professional Societies	<p>CONFERENCE & SOCIETY MANAGEMENT SYSTEMS (2000)</p> <ul style="list-style-type: none"> ○ A full-featured, turnkey MS-Access-based DBMS with easy-to-use interface ○ It included attendee registration information, program details, as well as vendor management tools ○ It allowed printing of attendee badges, meal tickets, certificates, etc. on blanks or pre-printed forms ○ It could handle transactions in multiple currencies ○ It also included features for managing professional societies, including mailing lists and custom notice

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