People and Technology that work for You...

Software Application Development

White Paper
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1. **Overview**

For companies looking at outsourcing, Aress offers the ability to entirely or partially take over the development, maintenance, conversion and enhancement of all their custom built or packaged software applications. Given its strength of technology capabilities, adoption of the industry's highest quality processes and strong domain expertise in varied industries, Aress becomes a powerful extension and partner of the IT departments of its clients.

As organizations strive to integrate their business and IT strategies, our application maintenance services help organizations achieve their business goals and objectives, by providing on-time support and value adding services.

Our software development services include:
- Application development and maintenance
- Re-engineering
- Mobile computing
- e-Commerce
- Directory Services
- Community Portals
- Custom application development

2. **Expertise in diverse platforms**

We have extensive expertise in software platforms such as Unix, Linux and Windows NT. Our mix of skills allows us to quickly and easily ramp-up resources for large and small application projects. Our software skills include the following domains of technology expertise:

<table>
<thead>
<tr>
<th>Enterprise Technologies</th>
<th>J2EE, JSP, Java Beans, Servlets, EJB, RMI, J2ME</th>
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<tr>
<td>Web Servers</td>
<td>Apache, J2EE, Tomcat, IIS</td>
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<td>Java Application Server, Websphere, Weblogic</td>
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<tr>
<td>Databases</td>
<td>MySQL, MS SQL Server 2005, PostgresSQL, Oracle 8i/9i, XML Databases like eXist, Berkley, Oracle</td>
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<tr>
<th>Programming Languages</th>
<th>C, C++, VB.Net, C#, PHP, ASP, Perl, J2EE, J2ME, ColdFusion, Silverlight, Flex, WPF</th>
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<td>Frameworks</td>
<td>.Net 2.0/3.5, Coldfusion frameworks – Model-Glue, ColdBox, PHP frameworks – Smarty templates, Symphony, CakePHP, FuseBox</td>
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<tr>
<td>Internet Technologies</td>
<td>HTML, DHTML, JavaScript 1.2, CSS, XML, XSL, XSLT, AJAX</td>
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<td>Middle Tier</td>
<td>JDBC, ODBC, Web Services.</td>
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<td>Wireless Technologies</td>
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<td>Mobile Computing</td>
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<td>Blackberry application development</td>
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<td>iPhone Application development</td>
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### 3. Mobile Computing

**Wireless! The next phase of the Internet revolution is here!**

The advent of small, lightweight, user-friendly wireless devices, such as internet-enabled cell phones and wireless PDAs, coupled with cutting-edge Internet application development, allows organizations to collect and distribute data in ways that were unimaginable a few years ago.
ARESS with its rich experience in systems integration and our large technology bandwidth, enable it to deliver end-to-end business solutions in various mobile computing segments.

ARESS has a rich experience on a vast technology bandwidth in developing solutions catering to the unique needs of its customers. We have already executed a number of assignments in the mobile computing segment for our customers worldwide.

ARESS has the ability to capture and deliver virtually any content to any device.

ARESS is committed to providing secure, real world, on-the-move solutions that meet unique needs, working on the evolvement, embrace and extend philosophy.

4. e-Commerce

The e-Commerce revolution has necessitated companies having to evolve and adopt a web-centric business model. Helping customers harness the power of the Internet in order to reap tangible business benefits is the goal of ARESS's e-Commerce services.

We offer our in-depth knowledge of end-to-end e-Business solutions for different market verticals to help you compete and excel in the digital marketplace.

ARESS offers end-to-end e-Commerce services in custom-built solutions as well as packaged software customizations and implementations.

ARESS methodology, skills in diverse e-Business platforms / technologies, knowledge in various business domains and strategic alliances with a number of leading e-Business vendors are the key enablers that help in combining technology with industry domain expertise to create advanced, value-added e-Business solutions.
5. Development Methodology

Software Development at Aress has adopted Agile Software Development methodology and uses it effectively depending upon the scope of the project and customer requirements. Adapting to Agile methodology has proved to achieve timely delivery of projects, customer satisfaction and more over welcome changes in requirements if needed by the customer, even in late stages of development.

About Agile Methodology:
Some of the principles behind the [Agile Manifesto] – [link this to http://en.wikipedia.org/wiki/Agile_Manifesto] are:

- Customer satisfaction by rapid, continuous delivery of useful software
- Working software is delivered frequently (weeks rather than months)
- Working software is the principal measure of progress
- Even late changes in requirements are welcomed
- Close, daily cooperation between business people and developers
- Face-to-face conversation is the best form of communication (Co-location)
- Projects are built around motivated individuals, who should be trusted
- Continuous attention to technical excellence and good design
- Simplicity
- Self-organizing teams
- Regular adaptation to changing circumstances

Feature Driven Development (FDD) is an iterative and incremental software development process. It is one of a number of Agile methods for developing software.

FDD describes five basic activities that are within the software development process:

1. Develop Overall Model
   - Requirements Analysis and documentation of the same
   - Seek approval of the analysis from client
   - Define system detailed workflows and documentation of the same
   - Seek approval from client on the workflows defined
   - Design the system prototypes (screen designs using HTML wireframes)
- Seek approval from client from same
- Database design

2. **Build Feature List**
   - Decompose the requirements/workflows defined into subject areas
   - Subject areas would each contain business activities
   - Steps within these business activities would form the categorized feature list.

3. **Plan By Feature**
   - Produce a development plan
   - Ordering and assigning features to programmers

4. **Design by Feature**
   - Selection of group of features that are to be developed within 2 weeks
   - Detailed sequence diagram for each feature
   - Class and method prologues are written

5. **Build by Feature**
   - Programmers develop the actual code for their classes
   - After unit test and a successful code inspection by QA team
   - Completed features are submitted to review by client

**Agile Advantage:**
- Agile is an iterative and incremental (evolutionary) approach to software development
- which is performed in a highly collaborative manner
- by self-organizing teams
- with "just enough" ceremony
- that produces high quality software
- in a cost effective and timely manner
- which meets the changing needs of its stakeholders.
6. **Project Management**

In any outsourced project, establishing the most effective project management is crucial. That is the reason why we take utmost care in assigning a project manager to a project. In some cases, the project manager is local to the client and works closely with the client liaison(s) throughout the project lifecycle. In others, we assign a project manager in our offshore office to correspond with the project manager from the client side.

The very first task of the project manager is to develop a comprehensive Project Plan that establishes the following:

- **Work Breakdown Structure** - The project is divided into small modules and their respective functionalities.
- **Time Allocation** - Time estimates are allocated to each of these tasks.
- **Resource allocations** - The appropriate resources are allocated these tasks.
- **Timelines** - Definitive dates are defined for the execution of these tasks to formulate the various milestones as well as the final project delivery.

Our MPPs are often developed in latest version Microsoft Project, but our team can use other tools if so desired by the client.
Along with this plan, we also define the following strategies to be followed during the project life cycle:

- **Communication Plan** - How will the team communicate across geographic locations, daily and weekly status reporting mechanisms, use of instant messaging, email, conferencing, telephone and other communications tools.
- **Roles and Responsibilities** - Who does what on the project team; reporting and escalation mechanisms.

Project manager takes up following responsibilities to organize the management of the project from beginning to end:

- **Project Scope** - Limitations of the scope, the major milestones and timelines that must be achieved, and the overall business objectives of the project.
- **Software Configuration Management** - What tools to use for version control, build and releases.
- Change Control Process - The objectives process of requesting a change to the scope or requirements of a project and how to reach sign off by both the client and our team on each change request.

7. Quality and Testing

Testing is a complex process, which calls for great knowledge and expertise. At Aress, we have a team of quality assurance specialists who have a knack of expertly conducting high-end tests.

Our complete, performance-related testing services such as performance analysis, benchmarking, load/stress testing and performance tuning are tailored to suit the needs of your organization.

We have over a decade’s experience in working with commercial tools of Quality Engineering and Testing. Our deep understanding of the field has empowered us to develop a wide range of tools for synthetic load generation, performance monitoring and automatic report generation.

Our professional testing teams skillfully tune the data stores underlying applications i.e. databases, LDAP servers and web servers. We provide cutting-edge testing services for applications that are stand-alone, client/server or web-based. We have set up numerous automated and interactive regression test environments, which ensure that the future releases of the application will be of superior quality and will be delivered as per schedule.

Aress’s Offerings include:
- Functional Testing
- Compatibility testing
- Regression testing
- White box testing
- Black box testing
- Web testing
- Acceptance testing
- Manual testing
8. Software Development – Case Studies

8.1. Application Development using Opensource Technologies (LAMP)

Open Source technologies are providing contemporary developers with a range of cost-effective and robust alternatives to commercial software for building dynamic, data-driven Web applications. Applications developed using open source technologies are implemented using LAMP (Linux, Apache, MySQL, Perl, and PHP), and can be implemented efficiently and securely while improving reliability and dramatically cutting costs.

We have been practicing web programming for several years and are skilled in all major technologies. However, we choose PHP when a negotiated project is to be done fast but functionality is at a premium. The corporate web sites, web portals or simple e-shops compiled out of numerous ready-made and reliable solutions scattered over the Internet comprise our PHP sector. Our company has extensive experience in outsourcing software development of custom solutions implemented in PHP/MySQL basically LAMP environment, such as communities and networks, e-shops and online marketplaces, billing systems, media streaming, customer relationship management (CRM), enterprise content management (ECM), content management systems (CMS), corporate web sites, etc.

Our experienced PHP data architects create efficient and scalable web applications to automate tasks, collect user data and transform static web sites into dynamic sales and marketing machines. Depending upon the project scope, we usually offer the combination of PHP along with other technologies to meet customer’s needs and deliver ultimate solutions.
Following are a few examples of Portals and other custom applications implemented for our clients:

a. Community Portal for living a better life
This site helps users to join a community and take small, everyday steps to change the way they live. As the users take these everyday steps, they form habits, and as those habits begin to change them and they become rhythms - deep patterns of life.

The website gives the users a stack of different actions to take. Some are easy and some are pretty challenging, but the users can choose what they want to do based on where they are at. The app can be used with friends so that they can share their journey together. It's basically a fun way to start making some of the changes that everyone wants to make but don't know how.
b. Community Portal to raise the voice of coalition
This website works with individuals and organizations from global civil society to protect civilians from armed conflict. They are a catalyst and convener of joint action whose behind the scenes work enables coalitions to work quickly and effectively. As a coordinating body they seek no public profile or media spotlight: it is the voice of the coalition that matters.

Their only agenda is the protection of civilians. They are open about their objectives, welcoming scrutiny from anyone who wishes to understand who they are and what they do. The users can join this portal and can access the different activities and the campaigns information available by the organization.

c. Ecommerce Site using Magento
This web application has been developed using WordPress and Magento. It currently displays over 6,000 top quality products. This site features the products and the complete details. The end users can purchase the products online. The site is also enabled to accept gift cards, and offers reward points on purchase. The site is also enabled on mobile devices using WordPress themes. Sage Payment gateway has been integrated for online shopping.
d. Golfers’ Community Portal

We have developed a website that can be used as a golf networking portal for those golfers who wish to make new social and business relationships. This is a place for people to find Golf Partners, Golf Mates, Golf Friends, Golf Pro Services, Golf Property and Golf Company Days. Using the website users can expand their business & also make new friends and increase their community. Exchange idea with other members.

The website has basic search as well as advance search options that allows users to get a more specific search results. The website also hosts a blog section where the members and start an online discussion and get the reviews on that from the other members.
Members of the site can make handsome money using the affiliates section. Here the registered members can become advertisers to invite other members to join. For each and every such member joining for a paid membership the user gets a commission from the joining fee.

e. Parenting Website

This is a website for parenting offering a comprehensive directory of baby and kid friendly products and services, extensive content, useful tools such as our Activity Finder, Ovulation Calculator, Birth Order Tool, Math flash card builder, Private School Finder, Weight Gain Calculator and family friendly recipe database.

Site contains various interesting and time saving tools, calculators as well as activities for kids like Coloring Pages. The site includes a rich community for mums to share stories, issues, joys and connect in a moderated, private forum.

f. Social Community Portal for Mothers
Social Kidspot is a social networking site developed using SocialEngine. SocialEngine is a system which creates a social network on your website. This site is all about simplifying the journey that is parenting.

Social Kidspot Features:

- Multi-part profiles.
- Customizable signup process.
- E-mail Announcements

The site includes various useful plug-ins like Photo Albums, Blogs, Groups, Chat and Video.

**g. Website Builder with integrated CMS**
A Website Builder with an integrated CMS supports the creation, management, distribution and publishing of corporate information. It covers the complete life cycle of the pages on your site, from providing simple tools to create the content, through to publishing and finally to archiving.
It also provides the ability to manage the structural layout of the site, the appearance of the published pages and the navigation provided to the users.

You will have the ability to update content, add pictures, links, news and even change or add more categories to your navigation bar! You will never have to worry about web developers' fees again!

**Why use a Website Builder System?**
There are many reasons why you need a CMS for your website. Here are some of them:

- **No technical skills needed** - There's no need for you or your colleagues to learn any new software. You simply make the changes to your website online as and when you need to and then view the changes instantaneously.

- **Update your website from anywhere** - Update your website instantly from anywhere in the world on any PC! Make corrections and changes quickly and easily, add text, insert pictures (access to the application via password and user name).

- **Instant corrections** - Making corrections, adding new pages is fast and easy with our completely browser-based CMS system

**h. Patient and Physician Portal**
This is a portal for physicians and patients. This application helps the hospital manage physician records, patients and their medical history records. The physicians as well as patients have access to this system and are provided the following key features:

- Manage Profile
- Physician to setup his/her week’s schedule
- Take up appointment requests
- Manage appointment records
- Prescription Renewal
- Lab test results management
- Messaging and Chat system
- Virtual Visits Management
- Co-payments

This application is built to be HIPAA complaint.
i. **Ecommerce portal for artists/creators**
   This is a website dedicated to anyone that has created anything and would like to showcase their creations at this portal, to receive comment, feedback, sales and the opportunity to network with like-minded individuals and groups. Each ‘creator’ will be able to design, from a simple to use template, their own web page, and use this online area to self-promote and generate hits and consequently sales. They can add multiple images of their work, video feeds, descriptions and histories. There is also an area for them to add biographies and weblogs, and for people to comment on the creations on display. In addition they can network and form groups with other members, by adding friends, recommending other creators, highlighting their favorites, promoting exhibitions and related events. Creators are encouraged to add a ‘recommended purchase price’ (RPP) for any item available for sale. Anyone interested in making a purchase can then contact the creator via the online purchasing system and either agree to pay the RPP or make a reasonable offer. The creator and potential customer can then enter an informal and fun haggling process until a price is agreed.

j. **Social Community Portal for Business Directory**
   This is targeted specifically for UK users, wherein they can join an ecircle based on their locality. Ecircle is a group of people with varied businesses in a specific locality. Registered users can build relationships through the ecircle membership and thereafter start to give and receive recommendations that would lead to more quality referrals and hence new business ventures. They can also use the Marketsquare feature to promote their business and to advertise their services and special offers. There are various modules like Events, News, Network, Forums etc. For the admin to manage the content on pages, Drupal CMS has been implemented and customized as per requirements.

d. **Portal for School – Built using WordPress**
   This portal has been built using WordPress. This involves WordPress custom template designing in order to meet the requirements of the School Portal. The admin user can manage the content of the website pages using the WordPress content management system. The other features of this portal include events, photo gallery, polls, and latest news.
I. Website for Cloud based VPS Hosting Solution – Built using WordPress
This site has been built using WordPress. The site offers VPS (Virtual Private Server) to be hosted on the cloud. This website is integrated with a customized registration process that enables the users to purchase the VPS plans online. The admin user can manage the content of the website pages using the WordPress content management system. WordPress Blogs has also been integrated with the website:
m. Website for offerings of hand made products – Built using WordPress
The website portal is a platform for people who have passion for creativity and creative products. The website offers hand made products that can be purchased online. WordPress ecommerce plugin has been integrated to provide the functionality for purchasing the products. Other features include integration of Image Gallery, Upcoming Events, and Testimonials.

n. Website for Trade and Commercial Print Solutions – Built using Magento
The website offers printing services like Business cards printing, Leaflets and Flyers, Lithographic Printing etc. Customers can order sample packs before ordering the actual products. There are various customization options for the offered products like size, single/double sided printing, home delivery etc. The customers can select products and add them to the cart. Pay by PayPal and Credit Cards are available as the online payment options. This ecommerce platform has been built over Magento Community Edition.
Multi-store Ecommerce Portal – Built using Magento

The website hosts multiple stores with individual product catalogues. Various features of the Magento community Edition like the bundled product feature, up-sells, cross-sells, flexible discount coupons, recently viewed products, recently compared items, multi-tier pricing for quantity discounts, catalog promotional pricing, customer group specific pricing on the multiple stores have been integrated.
p. Dynamic Form Builder
- Form Builder - which is easy to use with drag and drop controls, where users can graphically build and modify their forms, customize drop downs, radio buttons, check boxes etc.
- Forms can be designed like wizards using the powerful page break control.
- Form Preview and print options.
- Create survey forms and publish for public access.
- Print Submitted forms to PDF or Email it across to anybody.
- Customers have an option of branding their forms.
Property Portal

This property portal is a “Consumer To Consumer” (C to C) property internet search portal which aims to bring “Tenant and Landlord”, Buyer and Seller together without having to involve any middle man, agent, broker and/or salesperson. This web application aims to satisfy all real estate needs in Singapore for both property owners and seekers locally and globally. Its framework is to provide an online platform which is highly focused on Singapore real estate content and also provide an internet advertisement channel which is more focused and accurate to a target audience. The goal is to offer an unique and more relevant online search for internet users and also to help the relevant stakeholders in the business community to get their products and services established with less effort from physical and costly advertising. The goal is also to promote an innovative way of online collaboration between the internet users and the information providers with efficient mechanism using cutting edge technology to improve information flow.
r. **Vendor Offers**
This core website was meant for vendors from where they can manage all offers. View transaction and review comments provided by consumers. Check their sales turnover and view transaction stats. The core site is really comprised of 3 sections:
- **Web**: Using which the vendors can manage offers
- **iPhone Client**: A native iPhone application which is used by consumers to view and grab offers. Consumers can check all recent offers around them using GPS and grab offers and avail good discounts. View all grabbed offers and leave review comments.
- **XML-RPC**: Web service that was used to communicate between iPhone and web. Web service was responsible to push all recent offers when invoked from iPhone, credit card processing using Authorize Payment gateway, collect user ratings and reviews.
8.2. Application Development using Microsoft ASP.Net Technologies

a. Badge Printing Application
This badge printing system is an efficient and time saving system that is effortless to use and assist users in designing badges for their events. It is available on 3 platforms, Desktop (which can work in offline mode), web and iPad. Web and desktop are integrated such that user can create a badge on desktop and upload it on web for further editing and other way around as well.

Features:
1. Advanced flexible design and editing tools – drag and drop, resizing, Image cropping, autofit, maintain proportion, send to back and more.
2. Zoom In, Zoom out functionality
3. Provision to generate QRCODE & barcode for visitor tracking.
4. Functionality to import and export visitors information for creating badges.
5. Search, sort, add, edit, delete visitors information for badges
6. System is available in multiple languages.
7. Printing – what you see is what you get
8. Supports A4, Letter, InstaCard and p-touch product types/paper sizes

b. Success System for Individuals and Corporates
This portal is a success system for individuals and corporates who work as mentors and help users to increase their productivity and also the profitability of their business, leading to success for their employees, whilst enjoying less stress in their personal life. It provides access to a carefully selected set of powerful/foundation articles, tools and videos that will give user a quick, and easy way to increase their success.

The site has a provision for members to add articles, videos and quotes in their discovery play for further reading/viewing, reminders from
system to complete the assigned tasks. It has powerful tools which help users in analyzing how they spend their time and accordingly make use of success charts, goal setters, belief builder, personality profiler, stress assessor, success picks etc. Extensive use of Telerik control (graphs, calendar) and .NET graphs has been made. The system integrates with social networking sites and forum modules for users to interact with each other, find people like them, and participate in Dilemmas published by admin.

c. Application Development for Hosting Providers

An application which would be a comprehensive hosting automation system that allows you to provide a heterogeneous operating system environment to your customers across multiple hosting servers was needed to be developed by the client.

This application can have a multiple server layout, called a cluster. The main server in the cluster is the actual Control Panel, a web application with graphical interface, which centralizes all hosting management tasks, controls all hosting servers and services, manages users, domains, events, and processes.

The Control panel consists of many subsystems, the major of them being the following:
- User Registration
- File Manager
- File Upload
- Profile Management
- Referral Channel
- Accounts Statistics
d. Application Development for Health Industry

This application allows the recording of every aspect of a department’s work so that comprehensive management reports can be obtained. Data related to Employees, Audiometer Results, Vision Screening, General Screening can be recorded and reports retrieved. Also results for the Haematology, Biochemistry, Spirometry tests can be maintained in the system. Data related to the Employee’s Family History, Medical History can be maintained. The application has a number of other features such as Activity Recording, Personal Time Recording, etc.

As a part of enhancement to the application to be implemented was for multiple diaries for appointments. The appointments would be for patients to come to a clinic or come to see a doctor. It may be necessary to find an appointment time that can be met by two resources (e.g. two medical practitioners)
This application’s data is securely stored in a relational, hierarchical database. All indexing and compression routines are transparent to the user as data is retrieved and stored. No complex database operations need to be performed to maintain the data.
8.3. Desktop Application Development using ASP.Net

a. Office Collaboration Tool

Many organizations have installed Microsoft Exchange server and Microsoft Outlook and this has led to greater efficiency in working together. However one of the shortcomings of the Microsoft platform is that you’re not able to share information stored on this platform. By sharing, meaning that the platform doesn’t have any views which will provide you with “grouped” information. Views, which will gather and combine data, across mailboxes from the Microsoft Exchange server, and present these data in on or several group/team views.

This product helps you link companies, contacts, e-mails and documents together. You start by creating a new company. You can do this manually or by importing it from Outlook. The product supports a number of ways to do so. Then you add a contact and ensure that the “journalization tag” is marked for journalization on the company form. Now you all set and ready to journalize emails from this company and contact person. Every time an e-mail is sent or received from that company its automatically journalized and added to this company.
you’ve created, some or all, the companies you want to journalize emails and documents from, then it might be the time to journalize all the old emails and documents you have for these companies. This can be done on documents by manually by using the “Add” functionality on the company form.

Outlook add-in has also been developed for this application, so that it becomes easier for application users to manually journalize the emails they wish to share with the others.
b. B2B Solution for Agencies and Vendors

End to end business software solution designed for Activity Agencies/ Vendor Operators. This product is for Vendors to help them streamline processes, from front line distribution/sales channels, to Activity/Event operations, and to back office accounting, and vendor business management.

**Key Features**

**Centralized Reservations & Booking**
- Snappy And Quick Booking Interface & Process
- Point And Click / Or Quick Keyboard Shortcuts
- Quick & Easy Browsing And Searching Of Event/Tour Information
- Advanced “Day View” Of Event/Tour Schedules And Availability
- Check In/Ticketing System

**Tour/Event Management**
- Scheduling Management
- Pricing & Rates Management
- Specials/Promotions Management
- Transportation/Pickup Management
- Marketing and Sales Network

**Electronic B2B – Business to Business**
- Real Time Transactions with Agencies/Vendors
- Real Time Inventory Access And Control
- Real Time Event/Tour Updates, Specials & Promotions
- Streamlined Electronic Billing/Invoicing

**Reporting & Analysis Tools**
- Sales Analysis
- Agency/Vendor Analysis
- Product/Event Analysis
- User Level Reports (Executive, Managers, Reps, Accountants, etc.)

**Integrated Accounting & Financial Management**
- A/R, A/P Accounting functions
- Accounting & Financial Reports/Analysis

**Agency/Vendor Management**
- Agency Sales Processing
- Agency Tracking and Performance
- Contract Pricing/Commission Management
c. Virtual Runner
This software is targeted for athletes. It allows them to conduct their daily workout at home without running on actual race tracks. System also provides the personal workout records for the user to improvise their performance. No special treadmill required! User simply installs the system on their PC or Laptop along with selected videos, then attach the included FootPod to their shoelace and plug in the USB stick to their PC or Laptop. Next, selects which video or videos wish to view and start the program. After a brief countdown, video begins to play on your monitor or HDTV (if connected.) As user run, the FootPod transmits runner’s pace to the USB receiver using ANT+ protocol. This data is read by the Software, which adjusts the speed of the video based on this data. If user runs faster, the video will speed up. If user slow down, the video will slow down.
d. **Badge Printing Software**

This application offers a solution for preparing badges at your desk prior to an event, and for handling last-minute arrivals on-site. No more time spent cutting up labels, or unprofessional hand-written name badges. With rich formatting tools and inbuilt image catalog system ensures your event looks professional and organized with minimal cost and effort! The application also comes with ready to use templates and is completely re-usable so you don’t have to buy new badges for your next event. User-friendly management sections to manage/print/search all your event delegates. Advance functionalities to add 1D or 2D barcode and import delegate features.
8.4. RIA Application Development using Adobe Flex

a. Support System:
Functional Overview:
- This system enables to create problems that comprise of multiple questions and possible answers. The end user can then login to the support board system, search for this problem, and find a probable resolution path for this problem.
- The major roles include the Super Admin, Company Admin and Support Board.
- The main functionalities of Super Admin include management of the company admins, company categories, creating problems, configuring the questions and possible answers for the problems.
- The company admin can perform the problem management but only specific to his company.
The Support Board is a client end section, where the end-user can login, search for the problem categories/problems and answer the questions from the selected problem. This leads the user to a probable solution path.

**Technology:**
- This system has been developed using Adobe Flex 3.0. The application uses WebORB Technology as a database communication layer between Flex and .Net for secure and faster performance.

b. **Domain Selling**

![Domain Selling interface screenshot]
Functional Overview:
- This system enables to search for domains, participate in the domain auctions by placing bids on the domains.
- The user can register as a seller in the system to sell domains. He can monitor the auctions, and receive the bids on the open auctions.
- The user can register as a buyer in the system so that he can buy the domains. He can participate in open auctions and place bids on the domains that he wants to buy.
- The system shows a summary overview of the hot domains, domains on which the auctions are ending soon, domains with open auctions.

Technology:
- This system has been developed using Adobe Flex 3.0. The application uses WebORB Technology as a database communication layer between Flex and .Net for secure and faster performance.
8.5. Application Development for Directory Services and Booking Systems using ASP.Net

a. Wedding Venues Directory Services
This directory service website offers service to help you with every aspect of getting married from the engagement through to your honeymoon. It has wedding information for the bride, groom, best man, bridesmaids, ushers, wedding venues, a wedding shop, directory of wedding suppliers, jokes, wedding speeches, traditions, myths, rings and much more.

The key features include Wedding Venues, Suppliers, Fashion Houses, Articles, Forums and Blogs.

- Searching for the perfect wedding venue.
- Most popular searches and auto complete search (guesses what you're typing and offers suggestions in real time)
- Roll-over Map and quick links
- Search by postcode, area, town, county, region, name and group name.
- Slider and filters to narrow the search
- Google map view
- Wedding venues checklist

b. Meeting Room Booking System
Using this application the users can search for an available office room for a meeting. The user can provide various inputs to filter the search such as room preferences i.e. type of room, facilities needed, catering options if needed or any specifics needed. Based on the user’s search criteria, the suitable rooms are displayed as the search result. The user can then book a specific room for a particular date and a particular time slot. The user can also track their bookings on a schedule calendar provided for an booking overview.

c. Discounted Dining Application for Restaurants
This is restaurant portal where restaurant owners can register their restaurants so that they can be listed on the portal or become a member to enjoy half price dining in the top restaurants in London and Home countries. This web based portal can be managed by an admin section. This application makes it easy for restaurant owners to manage and fine-tune their dining offers, whether it is a single restaurant or a chain of restaurants. They can change the description and photos, try out different limited-period offers and even change the dining discount offer.
When card members log in, they’ll immediately be shown restaurants in the areas where they live, work and socialize. Diners need to tell if they’re members when they book, when they arrive and when they pay. If they wish to bring more diners than they are allowed on one Card, it’s the restaurateurs’ choice whether they can all enjoy the discount or whether it will apply to a particular number of diners only.
With BackupandShare you can easily store, share, manage, access, send and backup your documents, music, e-mails, photos and files with the highest security available online. Your data is stored on secure servers. BackupandShare provides easy access to all your important files, from any PC - and now you are also able to access your files from your personal BackupandShare user account using your cell phone’s web or wap browser. Anywhere, anytime – and on any device!
**Easy to use:** You don’t even have to remember to take backups. BackupandShare takes care of it for you. Just choose the folders and files you want to back up and set your backup schedule and BackupandShare will do the rest.

**Secure:** Your data is sent in a secure tunnel with 128 bit encryption to a secure data centre. Your data is stored in our safe data storage where we take backups of our backups for your safety.

**Available:** You can restore and access your files anytime. In the event of a crash, a virus, or a simple user error, your backups are a click away. In addition, you have access to your files from any PC anywhere.

**BackupandShare Mobile Application:**

BackupandShare Mobile Solution is a Backup and Restore service that safeguards all data of your mobile phone including Contacts, Documents, Photos, Videos and Music. This application copies your mobile phone's data in a secure manner to BackupandShare secure Data servers, and also enables you to restore the saved data on your phone (New / Existing) whenever you change your phone or in case you lose the data accidentally.
9. Client Testimonials

"The work provided by Aress was of the highest quality, and enabled us to rapidly roll out the uVent site. Aress didn't need constant monitoring, and continued to deliver working product that could be quickly integrated. I would absolutely use Aress again."
Peter Hancock,
Founder, uVent Limited.
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"When our team was looking to outsource the development of our website, we went through an intense process which included research on numerous firms in the US, Canada and India. We ultimately decided to use Aress as they were the most responsive to our business needs, understood our requirements in great detail and communicated extremely well with our internal team. Subject to the usual scope adjustments, our project was completed on time and on budget. In fact, I have been involved in numerous development projects in my 15+ year career and this was one of the most seamless and enjoyable projects I have worked on. I personally can not recommend the Aress team enough. They are a solid, solid team and a great partner to work with."
Christian Misvaer,
Entrepreneur & Founding Member of Founders42
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"We have worked with Aress for over 4 years now. They have supported us with hundreds of site projects and our dedicated team in India are a key part of our development process."
Dean Yardley,
hitched.co.uk
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"Kidspot has enjoyed a strong working relationship with Aress since May 2007, developing a number of successful products and tools for our award winning parenting website: www.kidspot.com.au and our social networking site for mums: www.kidspotsocial.com.au. They are a responsive and well managed team who report in daily and are open to client feedback and testing."
Katie May,
Kidspot
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"We have worked with Aress for the past year. They have been a great development partner in getting the initial development of our platform and mobile application delivered. We consider them a true partner with our business as our off-shore development resource center."
Nowell Outlaw,
Whats Shakn

"Aress India is a great, reliable company. We have been using their services for over 10 Months now and look forward to working with them in the future. They are an essential part of our business and come highly recommended. The company, management and employees are flexible and can adapt to our needs. Thank you very much and keep up the good work!"
Hayley
VB 12 Marketing

"Aress gave us a very elegant look on our company websites. The clean cut and simplicity design of our websites truly portray our corporate and business visions."
Frank Kim
CEO - Call Packet Inc.

"I have worked with Aress India from early 06' and am impressed with the service I have received thus far. Communication has only been clear and the skills I have required have been provided, above expectation. I can safely recommend Aress to any entrepreneur or SME looking for a good back office solution."
Brendan Nash
CEO, SML Limited

"Aress India is a very professional organisation. This our second attempt at outsourcing part of our software engineering to an Indian company. After several months I am very happy we have moved our work across to Aress. Successful outsourcing is not necessarily easy, however Aress has a depth of diverse resources that enabled them to quickly put together an experienced team of project mangers, architects and engineers."
My experience over many years in the IT industry is that stuff goes wrong, and it can go wrong anywhere in the life cycle, be it at my requirements end or at the execution end. Aress has given me a high degree of confidence as a result of their repeated responsiveness and flexibility at short notice when we have needed it. We will be increasing the amount of software engineering we rely on them for."

Graham Merrett
Bell Velocity Pty Ltd. Australia

“What makes me a loyal ‘Aressian’ is the ease of communication with them. I am never faced with the frustrations of having to follow up again and again to get my work done. Thanks guys. You’re great!”

Dave - Fareham
InfoAktiv.com
Bring information to life

“I wasted so much time and money with other companies before I found Sumow. Now I have a superb service from a company that excels with prompt, friendly service. Sumow really cares about my business success through my sites and I have a great relationship with them.”

Colin - Cheshire
Matrixhealthcare.co.uk
The specialists in animal supplements

"Our search for Professional website management has been a tough road. With so many providers with wonderful promises to make, we had our fingers burnt quite a few times before we finally found Aress. Thankfully our association with Aress which started with a lot of doubt, has now cultivated into a relationship that is valuable to my company"

Katie May
Kidspot Australia