



tabaaqTM

s o f t w a r e



Software

Development

Services

Application Development

Product Development

Product development is at the heart of services offered by Tabaq Software. Our development team is highly experienced in developing enterprise wide applications in a variety of business domains. Tabaq Software can help you achieve higher ROI by reducing the gap between initial product concept and marketing of finished product. We offer complete confidentiality and transfer of IPR thus providing you with security and peace of mind.



We are passionate about the work we do and that reflects in our development approach, which is simple, i.e. pay attention to detail, develop efficient and reusable processes, constantly raise the quality standards and deliver economical and efficient products and solutions to our customers.

Bespoke Software Development

Tabaq Software has a mature development team skilled in JEE technologies. Whether it's writing a small conversion utility, integrating with your middleware or developing a bespoke enterprise application to your requirements, we have what it takes to deliver a low cost yet highly reliable solution.



Application Re-engineering

Technology is emerging at a fast pace and with this change, organisations are faced with the challenge of applications which are becoming old and can no longer fulfil the current business requirements. In the computer world, these applications are often referred to as Legacy Applications. The definition of legacy systems has changed from an old mainframe type applications to include client server based applications.



With time, these legacy applications are becoming harder to maintain as fewer engineers are available with the required experience and skill set, which is very much driven by demand and supply in the market place. However, these legacy applications are tried and tested systems with years of data, knowledge and dependencies with/on other systems. Therefore, careful planning and execution is required to develop state of the art solutions that replace the legacy applications and give them a new life.

Tabaq Software has years of experience of re-engineering legacy applications and migrating current data structures and teams on to new applications. Our proven methods allow us to maintain the core processes of the legacy applications which have been tried and tested over time, yet enhance their functionality by using modern technologies.

Challenges of Legacy Applications

- Old and redundant processes
- Low availability of staff that are familiar with inner workings of the system
- Low availability of technical and experienced resources
- High cost to maintain old infrastructure and mainframes
- No compatibility with modern systems and technologies such as internet
- Green screens and no GUI user friendly interfaces
- No real-time information and reporting

Benefits of Application Re-engineering

- Modern Internet based technologies such as JEE, .NET, Linux, AJAX, Web services, etc
- Reduced total cost of ownership (TCO)
- Extend the life of an existing application
- Web based user friendly interface
- Create new revenue opportunities through Software as a Service and other modern licensing models

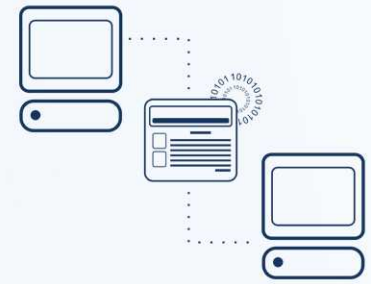
Some Examples of Application Re-engineering

- Database applications to RDBMS and multi-tier architecture
- Text based interfaces to web based GUI
- Client / server to multi-tier web based applications
- Windows to open source
- Open source to windows
- Web services



Application Integration

Application integration is an important part of software development services offered by Tabaq Software. Sometimes referred to as Enterprise Application Integration (EAI), application integration is a process of bringing two applications to exchange data or function with each other. This is achieved by way of either using a third party middleware or by way of writing a custom application. An example of application integration is where an existing application (or a legacy application) is integrated with a Web service that is custom written or developed by another company.



In a typical organisation, there can be many disparate applications developed on different technologies that run on different platforms and have very little in common. For these organisations, it is very difficult to scrap these applications and re-write something from scratch that is completely inclusive and well integrated. The answer is to write code that integrates these applications which in effect reduces cost and increases efficiencies.

At Tabaq Software, we use Service Oriented Architecture and Agile Methodologies to develop applications in Java, JEE or .NET with XML as a tool for exchanging data among disparate systems.

Benefits of Application Integration

- Lower cost of implementing new applications in an organisation
- Modify the processes as required by the business
- Add automation in your business processes to replace manual intervention
- Create portals and web applications quickly by integrating with proven applications

Some Examples of Application Integration

- Use Web services to expose useful functionality to other Web services and applications
- Process the data coming from heterogeneous sources and load it into a data store or a document management system. Extract, Transform and Load (ETL) is a data integration technology that we use for this purpose
- Use the TCP/IP, HTTP and FTP protocols to exchange messages among different systems using XML as a data handling standard
- Develop wrappers to expose useful functions of an application or make direct program calls where permitted
- Use Application Programming Interfaces (APIs) to benefit from the business logic implemented within the applications. Using data access languages to read or write data to target databases
- Transfer files between different systems such as a document management system and an online banking application



Mobile Application Development

Mobiles have changed the way people communicate with each other. According to a study a fifth of the world's population will soon have a mobile device and access to the internet. Mobile devices have freed the business users from being stuck to their seats to be truly mobile by taking the work to the field. Business mobile applications range from email and messaging systems, contact management and scheduling, CRM, stock exchange monitoring and investment, compliance and document management and more. The list goes on.



At Tabaq Software, we have experience in developing on mobile platforms using Java and JME (Java Micro Edition). Mobile edition of our flagship product, jComply allows users to look up policies and procedures and also take online training exercises. Our application also allows users to keep local copies of documents so they can access important information when offline or on remote sites where mobile coverage is compromised.

Some Examples of Mobile Applications

- Document management for searching and retrieving documents
- eLearning
- CRM — Customer Relationship Management
- Asset Management and Tracking
- Inventory Management and Tracking
- E-commerce sites on mobile
- Websites optimised for searching
- Applications requiring GPS connectivity

Web Application Development

Tabaq Software has the experience in developing a wide spectrum of web based applications including E-commerce sites, community portals, online training sites, content management systems and custom web applications.

Our developers are particularly skilled in integrating the web based solutions with other third party applications, widgets and programs. These third party applications can be content management systems, email marketing tools, electronic forms, widgets, CRM systems, document editors, video and audio streaming and pod casts, flash, and Adobe suite of products.



To support the solutions listed above, the technologies we use include Java, JSE, JEE, JME, AJAX, XML, PHP, .NET, My SQL, MS SQL Server, Oracle and list goes on. As a technology firm, we apply the most suitable technology to achieve the desired solution.

Joomla CMS Development

Content Management System can be used to develop websites and web applications ranging from a community portal to a financial institution's intranet. CMS enables you to manage your documents, photos, music, videos and just about anything. It has been used to develop a large variety of web applications and has a large global developer community.

Web applications developed using CMS technologies such as Joomla, Drupal and Microsoft .Net, are easy to use for the users. With little training, users can easily learn to manage the content and layout on their own.

Features

Some of the core features of CMS are listed below:

- Create users and allocate access rights and permissions
- Manage the media files and folders
- Localisation support to convert the site in another language
- Manage the banners on the site for advertisement
- Create polls with multiple options
- Search facility with statistics generated for admin
- Web link and content management
- Manage RSS feeds
- Create and manage templates
- Email and newsletter services
- Form builder
- Photo and video streaming
- Document management
- Forums and private chat software
- Blogs management

Examples of web applications using CMS:

1. Corporate websites or portals
2. Corporate intranet and extranet sites
3. Email marketing including email newsletters and publications
4. Manage marketing list database and upload new lists
5. E-commerce
6. Online surveys and polls
7. Community based portals
8. Non-profit organisational websites
9. Academic and training websites
10. Manage and disseminate documents
11. Manage videos, recorded webinars, podcasts, news feeds etc



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Technologies

SOA

Agile Methodologies

JEE, JME, JSE

AJAX

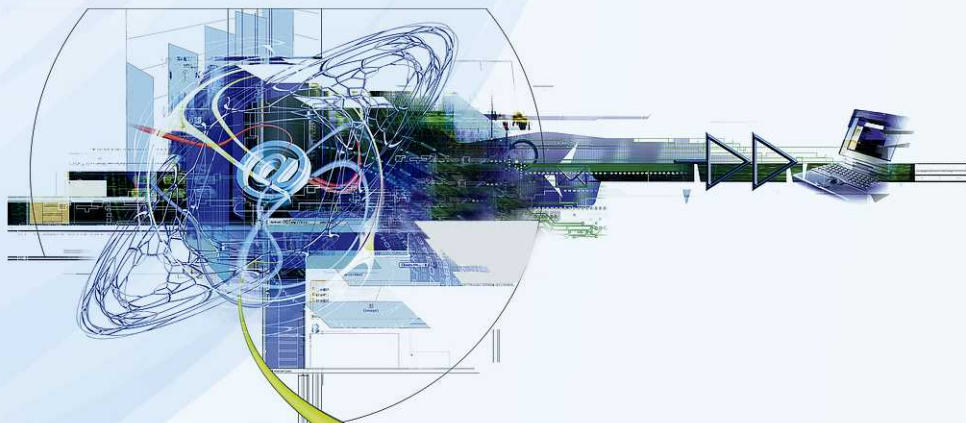
Microsoft.Net

My SQL, DB2

MS SQL Server, Oracle

JBoss, GlassFish

IBM WebSphere





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