Development of Account Management Information System

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WAK IT Solution Providers

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<center>**Profile and Technical Approach**</center>

1.   Overview

Information being the most pervasive element across all human actions and interactions, managing information has become one of man's most difficult endeavors. The diversity of information sources and information use has transformed information from mediocrity of data to a natural utility and necessity.

Businesses across the globe strive to maximize benefit from information stores and storms within their domain and beyond. Despite technology scaling heights with leaps and bounds, something seems to elude the cohesion and consistency required to extract the benefits of information as a utility.

One such entity empowering customers to focus on their core business while helping them comfortably tread the path of cohesion and consistency between information and technology is WAK IT Solution Providers.

WAK IT Solution Providers is an institution committed to creating partnerships with customers to deliver process driven and technology integrated solutions. With a commitment to customer success and customer loyalty, Services galvanizes resources from skills to infrastructure comprising of in-depth industry knowledge, experience and best practices, enabling customers to focus on their core business while WAK IT Solution Providers meets the customers' information management and technology demands and expectations. Its Services constitutes a hallmark of responsiveness, reliability, resilience, empathy and tangible delivery of services with a commitment of loyalty to customers.

2.   About WAK IT Solution Providers

This software house provides a solutions for the future needs of YOUR Business. Our dedicated team works in conjunction with our clients towards a common goal business growth. We aim to become trusted and well-known brand offering skills and services at extensive growth comprising of dynamic designs & solutions. We provide cutting edge development solutions at affordable prices ensuring real value of money. Our customers' success is by providing them solutions that include all of the most powerful tools that development and internet marketing have to offer.

We learn from our Customers, in order to improve our products and services. And, we will keep on top of today's and tomorrow's technology, no matter how fast it moves, to ensure our Customers always have the best tools and solutions available to them.

3.   Our Values

Our clients understand that they need to allow us a certain amount of creative freedom to produce the kind of Internet presence that produces results.

Some things never change. Or should never change, like values and ethics. The hunger for excellence and the passion for pushing boundaries must live on, but so must the resolve to uphold what we stand for.

WAK IT Solution Providers believe in the phrase "Always treat the customers, business partners and colleagues with courtesy and respect. No prejudices."

Integrity in all endeavors

Personal and corporate integrity is and will always remain the cornerstone of our value system. Integrity builds discipline and character which helps us to deliver on our promise to our customers and stakeholders. Employees demonstrate high morals and ethics both as individual personalities and professionals to build trust - and that is what matters most - Trust.

Excellence in service delivery

Our pursuit to be process driven enables us to relentlessly and consistently deliver services to our customers. WAK IT Solution Providers endeavors to be country's renowned supplier of services to make an impact in the information management arena. Excellence in service delivery is our chosen path to achieve the milestone of a world-class services supplier.

4.   What gives edge to WAK IT Solution Providers

IT challenges with clients

Businesses today face fundamental local and global competitive threats. More than ever, they need IT to help them deliver value. However, delivering long term business value from IT is getting even tougher in emerging markets.

o   More than 50% of IT projects fail to meet key business objectives
o   More than 50% of IT projects are delivered over budget
o   More than 90% of all IT projects are delivered late

A paucity of internal resources has led companies to look beyond their corporate offices for solutions to challenges of such complexity and magnitude. Many have done so by engaging WAK IT Solution Providers in their technology endeavors.

WAK IT Solution Providers Advantage

WAK IT Solution Providers understands what is needed to deliver business value using IT in emerging markets. That is why it offers end to end solutions which cover consulting, technology platforms, system software and tools, applications, systems management, IT optimization, security, maintenance, help desk and networking needs, using professionals with advanced international experience.

WAK IT Solution Providers Services is a turnkey IT Solution company that has the capacity and experience in providing wide-ranging technology solutions to multifarious industry requirements. WAK IT Solution Providers products and services provide organizations with innovative technology solutions that increase their competitive advantage and return on investment (ROI) by:

o   Reducing and controlling operating costs
o   Increasing efficiencies and reducing time to market
o   Allowing client's to focus on core business activities
o   Reducing investment in technology expertise

o   Increased flexibility in selecting technology paths
o   Reducing risk
o   Accelerating reengineering benefits
o   Freeing up internal resources for other purposes
o   Gaining access to expertise not available internally

Our Experience

WAK IT Solution Providers commenced its formal operations in 2009. Despite its short history, WAK IT Solution Providers has quickly matured to win large projects, particularly in the financial services and communication industry. This is very much due to WAK IT Solution Providers skill sets with professionals at all levels who have worked in and lead large implementation projects.

The employees of WAK IT Solution Providers have the real-world experience to help large enterprises transform challenges into a competitive advantage within the market place. Currently its strength lies with its professionals who create and deliver strategic technology solutions that achieve real business results. The experience of the company is with its business and IT professionals who have experience within various industries.

On projects where the magnitude or diversity of the assignment requires supplementing of WAK IT Solution Providers internal strengths with external resource.

5. Software/MIS Development Methodology we offer
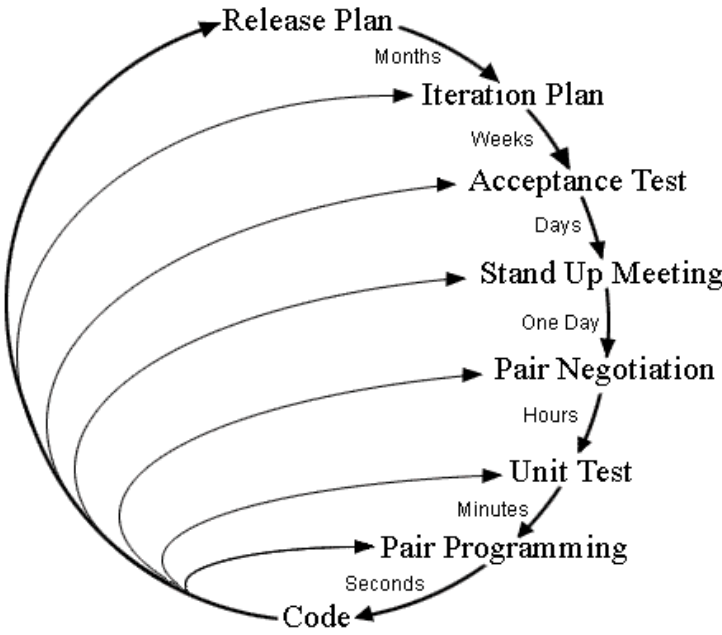
Approach

Due to the nature of the project the major issues in the execution of the project will be coordination with stakeholders, identification of requirements, timely post implementation and proper resource utilization.
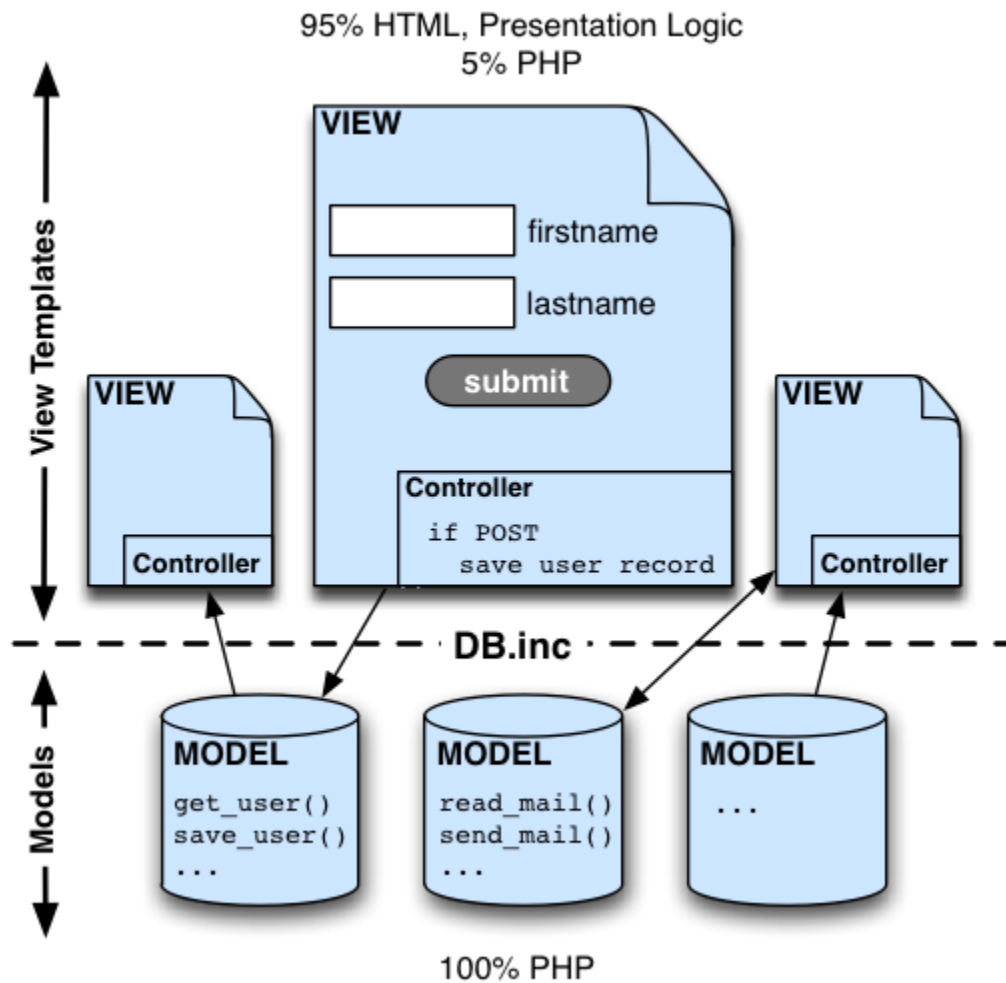
Application Development Process

As mentioned in previous section, we have had the opportunity of working for different sectors which has involved continues interaction with different relevant public and private sector systems placed at different levels and having varying and emerging data requirements.

We believe that we can provide the required solutions within a short response time. The implementation methodology to be adopted for all the application modules to be implemented would be followed by the principle of *Extreme Programing (XP)*, is a software development methodology which is intended to improve software quality and responsiveness to changing customer requirements. As a type of agile software development, it advocates frequent "releases" in short development cycles, which is intended to improve productivity and introduce checkpoints where new customer requirements can be adopted. This has many advantages over the traditional sequential development & implementation model. It is an ideal choice as the time frame for the completion of project is a major consideration. The Process Flow of various stages of our Extreme Programing approach is shown below:

Planning/Feedback Loops

Release Plan — Months
Iteration Plan — Weeks
Acceptance Test — Days
Stand Up Meeting — One Day
Pair Negotiation — Hours
Unit Test — Minutes
Pair Programming — Seconds
Code

To complete the work in the challenging time frame, our team plans to work in close collaboration with the designated team of client, for which it is assumed that Client & IT team will finalize the requirements and will confirm the functionality on test data with relevant data conversions. The development/customization of the MIS is done using the MVC architecture which is described in the image below.

95% HTML, Presentation Logic
5% PHP

100% PHP

Project will be managed by experienced Project Management Professional, who has strong IT background and project management experience of mega projects.

Timely completion of work will be ensured by strong project monitoring activity and risk management plan will be developed at the start of the project for early identification of all associated risks. Strong communication and feedback channel would be required from client side.

We plan to carry out the assignment in under software development/customization phase as under;

Sr. #	Analysis, Design & Development Activities	Details
1	In-Depth Study	In this phase we will study the existing systems and procedures in detail to have the first-hand knowledge of the problems and interviews will be held with concerned officials to gather their views about the possible

		requirements. The client will provide list of focal persons from each area for interaction and finalization of the requirements. During this phase following activities will be performed;
		Domain Analysis
		Identification of Key Abstractions & Mechanism (entities, procedures etc.)
		Identification of Key Objects & Classes
		Identification of the Users and what Task they perform
		Relationship among Object & Classes
		Creation of Object Model
2	Discussion & Finalization	Our findings, conclusions and suggestions will be discussed with stake holders as may be nominated by Client. The views of those officials will be accommodated in the final system design.
		The focus will be on:
		Discussion with Users / Coordinators about Reports / Screens
		Make appropriate changes in Requirement Analysis (Iterative / Incremental Process)
		Finalize requirements with Users / Coordinators
		Get Signatures / Consent of User on Finalized Requirements
3	Architecture & Detailed Design of the System	After the in-depth study we will proceed with the development of an architectural and overall design of the systems to be followed. The computer outputs will be

		specified and computer master file layouts will be prepared. It involves the preparation of following; Use Case Diagrams Module Diagrams Process Diagrams Entity Relationship Diagram Database Diagrams Table Diagrams GUI interface
4	Finalization of Functional Specifications	We will develop design document on the basis of detailed system study and discussion group's conclusions and will submit to client for approval before start of the prototype on the basis of the DD.
5	Prototype Development	Software prototype of customized MIS will be developed and will be submitted or demonstrated to Client for approval.
6	Detailed Development	This will be the longest phase in which all the programs for running of the systems on computer will be developed. All the programs will be carefully tested firstly on dummy files and transactions and then on the representative test data to be provided by client. The development methodology will have two main components i.e. System Designing Architecture and Software Development Cycle. The System Designing Architecture includes: Client / Server Web based Architecture Multi-tiers (Component Based) Development Object Oriented Programming

7	Proposed Development Platform	We plan to use the development platform as using tools for Object Oriented Programming using Extreme Programming as model.
8	MIS Development/Customization & Testing	The activity of detailed software development/customization will involve coding & testing based on the functional specification. As per requirement, test cases UATs will be developed and delivered to testing team prior to the completion of each module. Testing will be performed for the following; Functional Testing Performance Testing Unit Testing Integration Testing Load Testing
9	Consultation & Approval	Formal consultation & approval will be required from client before finalization of Software Development.
10	Finalization & Packaging	Software will be finalized by team based on design document and prototype.
12	Software Development Completion	After successful completion of the software development activity software will be installed

6.   Relevant Projects

WAK IT Solution Providers is a leading software house and implemented numerous project, however, relevant to the assignment, some are mentioned below:-

- Accounting Management Information System for CDPM

  Features:

  - Chart of Accounts (Budget Head, Main Head)
  - Vouchers Module, double entry system
  - Vouchers type (CPV,CRV,BPV,BRV,JV)
  - Ledger
  - Cash book
  - Trial Balance
  - Balance Sheet
  - Bank Reconciliation
  - Cash flow
  - Multiple users
  - Daily Backup/Restore

- Inventory Management System (With Account System)
- School Management System with accounting(With Account System)
- Food Hysteria Management System(With Account System)
- Pharmacy Management System(With Account System)
- CRM Management
- Aqaar Management for Saudi (With Account System)
- School Management for CB School Kamra (With Account System)

Chapter 3: Human Resource

Project Team

WAK IT Solution providers given its capacity acquired over the period of time, has strengths to undertake whole project independently as per client's expectations.

Core Team that will be deputed to Development Accounting MIS covering all aspects such as software development .

Team	Name	Role in the Project	Details
CEO	Mr. Waqar Ali Shah	Over all supervision to ensure completion of project.	The founder of Software house (Sr. Software Developer)
Director/Project Manager	Mr. Nadeem khan	Project Manager	Overall Project Manager for the assignment
Software Development And Database Specialist	Mr. Kashif	Developer	Responsible for all the project documentation and liaison between the client and team
	Mr. Bilal	Developer	-
	Mr. Younas khan	Developer	
	Raheel	Designer	Work as Part of Software Development Team
	Idress	Web Designer	Work as Part of Software Development Team
	Qaiser khan	Quality Assurance and UI interface Designer	QA
	Mr Adnan	Designer	
	Mr. Shakeeb Khan	Designer	