

Quality Management System

Outstanding Software from Rigorous Quality Control

Development of a piece of software, database or web application can be broken into four steps:

- 1 Gathering and estimating requirements.
- 2 Detailed specification and design.
- 3 Development.
- 4 Testing and deployment.

The objectives of a QMS are to:

- Make sure every project is delivered successfully.
- Reduce and manage risk.
- Ensure consistency of approach within the company.
- Document best practice.

MSM's Software Development Ethos

We have an excellent track record for successful project delivery ahead of schedule and under budget using Quality Solved.

Our approach is pragmatic rapid application development (RAD) in which prototyping is the key element, combined with elements of a traditional waterfall approach.

The advantages of this approach are:

- Risk Minimisation – both general and project specific.
- Standardisation – using a framework facilitates intra and inter project communication.
- Flexibility – removes the need for unnecessary documentation.
- Communication – the system promotes professional dialogue between our team and clients.
- Service – our approach puts the customer first.

Quality Solved uses common sense project management to deliver successful systems every time. In summary, we:

- Carry out analysis and design by working on-site with your project team to establish your needs, using prototyping to aid clarity and completeness, plus reduce ambiguity.
- Prepare a project plan, with the aim of phasing the implementation so that smaller discrete subsystems can be delivered for testing, giving you something to use more quickly, and increasing the ease of testing.
- Apply our pragmatic project management techniques to maintain control, minimise risk and monitor the project without hindering development.
- Develop non-operational prototypes (as opposed to demos) of each module of the application prior to full scale development. This allows you/the users to have greater input to the look and feel of the application ensuring far better user satisfaction.
- Develop the system to our high quality standards, including applying our coding standards for the programming languages and tools used.
- Apply our own rigorous quality assurance and testing regimes.
- Ensure consistency at all stages by using our documentation standards.
- Give you regular progress reports by email and in regular face to face meetings.

A formal sign off from both parties is required at each stage and for every deliverable.

A flowchart over the page makes things clearer.

The QMS inevitably comes across as sequential in 2D form.

In fact, by breaking projects into phases to reduce risk, we can work on several elements in parallel.

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