Aligning people, process & technology to solve today's complex business problems

Requirements Elicitation & Visualization Methodology (REVM)

Requirements gathering is a critical part of software development. Software projects with any degree of complexity need clearly defined requirements to enable the design, development, testing, and deployment of a software solution. Requirements that are poorly gathered or defined often result in software that fails to meet end users needs and business objectives. This often leads to expensive rework, cost overruns, and missed milestones for a project.

Acolyst has over 20 years of experience working with clients to define their IT requirements to achieve maximum value from their IT investment. Acolyst has developed a systematic approach to analyze, communicate, validate and manage an organization's business requirements that produces complete and accurate results in a rapid timeframe using industry best practices.

acolyst

Acolyst's Requirements Elicitation & Visualization Methodology (REVM) combines Acolyst skilled analysts with a robust toolbox of elicitation techniques to quickly understand and capture an organization's activities, workflow, business logic and decision points in order to align business needs and the IT solution. Through the use of the REVM, Acolyst analysts are able to bring requirements to the surface and rapidly develop a working prototype. Users are able to visualize and interact with the prototyped screens, workflow, and business rules to validate the system and provide confirmation. Acolyst analysts work with stakeholders from all business units in a collaborative effort to define complete and accurate business specifications the first time.

REVM Benefits

- Precisely express requirements using business process diagrams, hierarchical rich text requirements, use cases, user interface mockups, data definitions, and business rules

- Requirements are prioritized to optimize project investment and returns

- All new initiatives are aligned with organizational strategies

- Clearly defined and complete business, user and functional requirements

- Greater flexibility to adapt to changing business conditions

- Projects are implemented faster by integrating requirement data with other SDLC phases

- Business process and procedure changes are quickly identified by interacting with robust prototype model

- Improved testing quality by generating detailed test scenarios and scripts directly from requirements

- Reduce project costs by defining requirements correctly at the beginning of the project

REVM Deliverables

- High level and drilled down business processes including swim lanes and key decision points

- Use cases outlining system requirements on who performs what functions

- Simulated screens and report mockups

- Requirement traceability matrix mapping to detailed test scenarios

- Customized business, user and functional requirements documents

- User acceptance test scenarios

- Integration with several third party quality assurance and code development tools

acolyst

Requirements Elicitation & Visualization Methodology (REVM)

Acolyst analysts work with end users to determine project scope and risk before starting the requirements elicitation process. Our analysts review all factors such as stakeholder interests, business needs, and compliance issues. Based on the organization's business needs, technical feasibility and time/cost constraints, Acolyst analysts will suggest which requirements to include, reject, or postpone in order to meet the organization's objectives. Acolyst's REVM divides a project into small iterations that include all tasks necessary to release new or modified functionality into a working prototype. Below are the five REVM steps performed for each iteration of the requirements definition process:

Step 1: Acolyst starts each iterative process by engaging end users through a combination of elicitation techniques and studies all available documentation to determine the essential needs of the system.
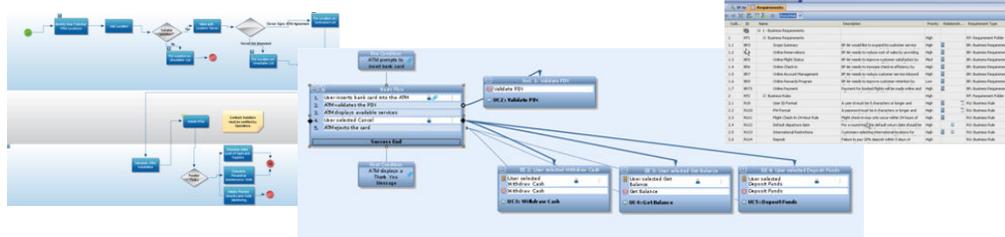
Step 2: Each requirement is documented and further defined through swim lanes and process flows that illustrate the organization's information flow and the relationships between each business area.

Step 3: Acolyst analysts then develop detailed use cases, scenarios, data definitions and business rules. This allows all requirements to be linked and traced through the entire process and aids in prototype development.

Step 4: Requirements are rapidly transformed into a simulated prototype with screen mock-ups, workflow, and business rules that allows end users to visualize how the application will look and process.

Step 5: End users interact with the simulated prototype and evaluate requirements. Analysts are able to capture changes and maintain version control. Requirements defined, developed and approved for one iteration will drive development of subsequent iterations. Once an iteration is approved, the process starts over again.

The process is continued until all business areas have been fully defined.

acolyst

About Acolyst

Acolyst has a proven track record in delivering quality technology solutions on time to government agencies for the past 20 years. Acolyst is headquartered in Fredericksburg, VA and its successes are centered on experience resources, forged partnerships, and our commitment to customer satisfaction.

Acolyst uses its project management methodology (*aPM™*) which is a collection of documented templates and checklists, specific to government, that was created from Acolyst's lessons learned and best practices while working with government clients.

Though Acolyst has successes in all areas of business technology implementation, it is the years of program/project management and requirements definition experience that customers have come to rely on to provide solutions to meet business objectives. Acolyst consists of experienced business and technical analysts who have extensive Project and Program Management experience, including PMI or equivalent certifications. Dedication to fast, flexible and effective customer service sets Acolyst apart from the competition. Acolyst's expertise is at identifying problems and providing solutions that improve efficiency, reduce costs, and allow an organization to communicate more effectively. Acolyst's priority is finding the best solution for organization's complex problems and providing the highest quality in customer service.

Government Experience

- 508 Standards
- Security Policy
- Certification + Accreditation
- Documentation
- Government Mandates
- Audit Requirements
- Environmental Factors
- Government Reporting

Recognitions

- Top 100 Fast Growth List (VARBusiness)
- CEO Named Top 100 Female Executive (Everything Channel)
- Leading SB Government Contractor (GovernmentVAR)
- 2nd Fastest Growing IT Integrator Nationwide (CRN)

Contract Vehicles

- GSA Schedule - 70
- Seaport-e (Navy)
- ECSIII (NIH)

Certifications

- 8(a)
- Woman-owned
- Small Disadvantaged Business

acolyst

610 Westwood Office Park
Fredericksburg, VA 22401
Tel: (540) 370-0010
Fax: (540) 370-0280
contact@acolyst.com
www.acolyst.com