



Solution Delivery Methodology

Maa Microsystems

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Process involved

- Delineating system requirement
- System design
- Project planning
- Risk assessment
- Artifacts sequence
- Project tracking
- Documentation
- Deployment and training



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Delineating system requirements

- Client interview
 - Process studies
 - Use cases
 - Available infrastructure
- Gap analysis
- Define deliverables
- High level design L1
- Requirement verification



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- High level design L2
 - Process flow
 - Information flow
 - Use cases
- Low level design
 - Class diagrams
 - Deployment diagrams
- Design verification
 - Peer review

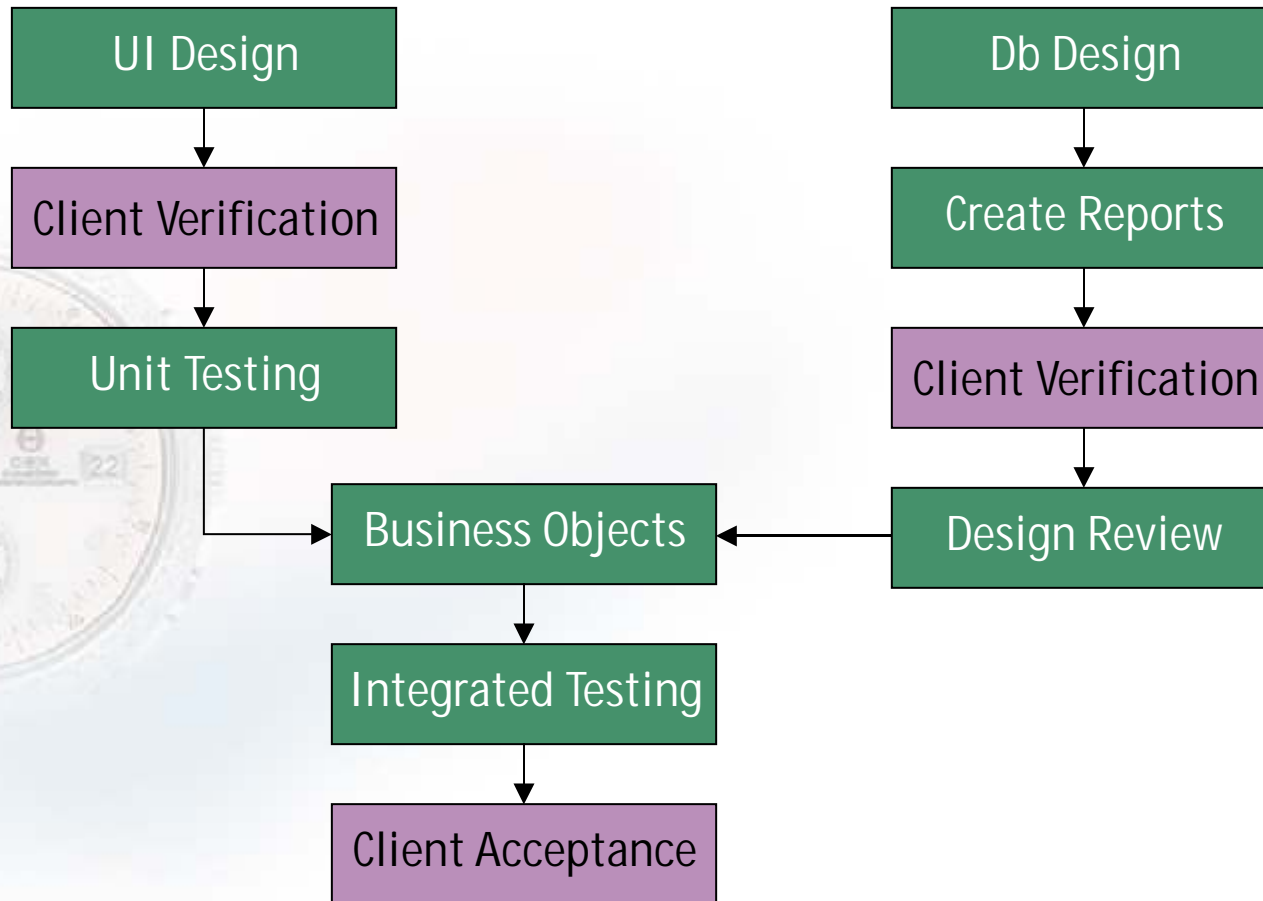
Project planning

- Delineate function points
- Reconcile function requirements with available code libraries
- Generate project specifications
- Select development team
- Distribute work with team
- Generate timelines
 - Review points
 - Milestones
 - Delivery points
- Calculate costs
- Verify implementation plan

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Artifacts sequence



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- Platform related
 - Skills availability
 - Known/ unknown issues
 - Cannot be done
- Human related
 - Social costs
 - Efficiency related
 - Unproved resource
- Infrastructure
 - Lack of software/hardware/network
 - Lack of support

Project tracking

- Risk tracking
 - On a weekly basis
 - Every person/project involved
- Progress tracking
 - Templates used to report progress
 - Frequency decided at the planning phase
- Reviews
 - Involve team leader, customer representative
 - Frequency decided at the planning phase
 - Peer review before every delivery point



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- Standard templates used
- Should be finished at the completion of a module or at delivery points
- While developing left to discretion of the developer
- Code commenting should happen as the code is being generated
 - Describe scope and purpose of variables
 - Describe function purpose and enlist calling procedures
- Updates in source code
 - Earlier code to be commented
 - New code should be appended and purpose defined
- Test Reports

Deployment and training

- Record software configuration
- Check infrastructure readiness with customer
- Test installation programs internally
- Run automated tests for runtime errors
- Install programs on customer systems
- Fix training schedule with customer
- Provide training



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