























Types of Scrums



- Scrums are used for all activities in the product life cycle
- Envisioning Scrums
 - Collect and analyze market, customer, product, and technology requirements
 - Develops proof-of-concept and vision prototypes
 - Verifies prototypes with customers
 - Capture requirements in a Requirements Backlog
 - Capture risks in a Risk Backlog

Definition Scrums

- Translate Requirements into Features by creating User Cases and Acceptance Tests
- Define the Architecture and Component Breakdown Structure for the product
- Sort Features into the Product Backlog and Product Release Backlogs
- Speculative Estimates

Development and Release Engineering Scrums

- Translate Features in Scrum Release Backlog into Stories plus associated unit & acceptance tests
- Stories include estimates that are owned by the team and refined over time
- Stories are prioritized based on their associated business value
- Converts Stories into Working Code

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Architecture Driven Design (ADD) - API First



- Object Orientation [Simula 67] is an approach to software architecture, design and implementation which is based on building simulation models of the system. These models are expressed in code.
- Architecture Driven Design Benefits
 - Compartmentalizes the work into logical divisions
 - Creates stability within the individual parts of the product
 - Establishes ownership and accountability for individual parts
 - Communicates the essence of the product more easily
 - Provides a single expression of the system
 - Model can be version managed easily
 - Model can evolve
- Expressed through a layered architectural approach

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