## Initiate

## **Planning**

## **Execution/Controls**

# Closing

### Monitoring and Controlling

## **Project Life Cycle Framework**

Project Funding Approval Life Cycle

**Acquisition Life Cycle** 

#### System Development Life Cycle



#### Initiation Phase

- Pre-Initiation
- Business Case
- Project Analysis
- Technical Feasibility
- Economic Feasibility
- · Project Proposal
- Project Charter
- Project Checklist



#### System Concept Development

- Cost Benefit Analysis
- Feasibility Study
- Risk Management Plan



#### Planning Phase

- Scope Statement
- WBS
- Schedule · Organize Staff
- · Change Plan
- Communication Plan
- · Quality Plan
- Procurement Plan
- Performance Measures
- Budget Planning
- Project Plan



#### Requirements **Analysis**

- Requirement Specifications
- Traceability Matrix
- Use Case Development
- Test Plan



#### Design Phase

- Project Plan (Baseline)
- Apply Management Controls
- System Design
- Implementation Plan
- Conversion Plan
- Maintenance Plan
- System Administration Plan
- · Training Plan
- User Manual



## Development

- Contingency Plan
- · Software Development
- Integration



#### Integration & Testing

- Complete Integrated Project Plan
- Go-Live Readiness Assessment
- Test Analysis Report



## Implementation

- Project Execution & User Acceptance
  - Implement Approved Training Plan
    - Conduct Closeout Task
    - Learned Project Transition Checklist

Lessons



#### Operations & Maintenance

- Closeout Procurement
- Audit Contract Closeout
  - Lessons Learned Archive

Report

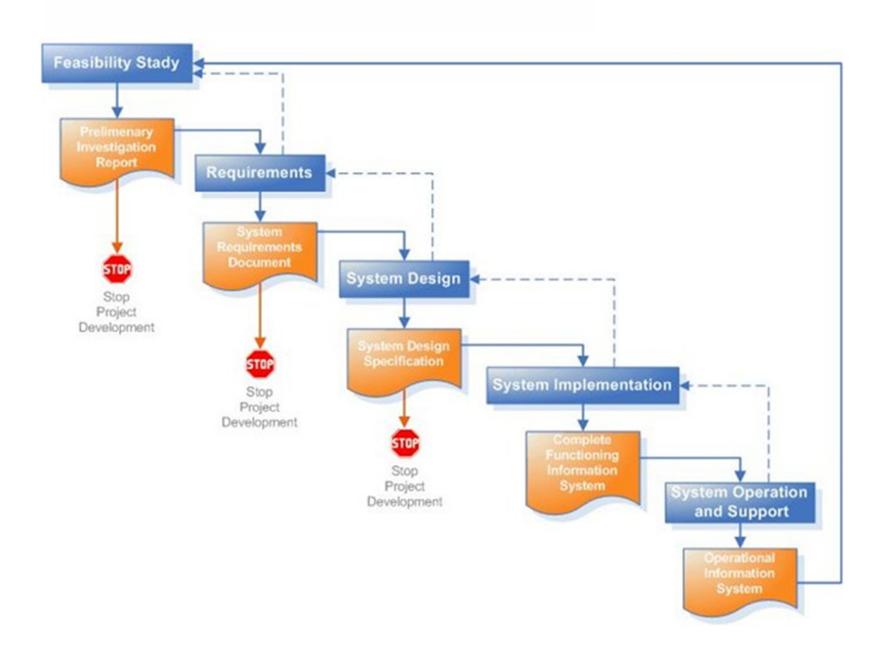
- Post Implementation Review
- · EA ROI Report
- Performance Measure
- · Pre-initiate Changes



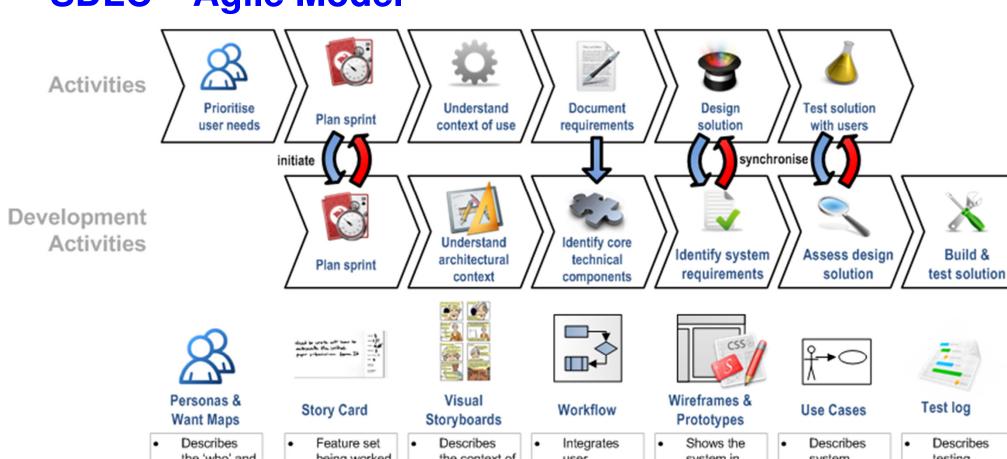
- Disposition Plan
- Project Closeout
- Post Termination Review Report



## **SDLC – Waterfall Model**



# **SDLC – Agile Model**



- the 'who' and their capabilities
- Validates value of solution to end-users
- Documents 'User' requirements
- Follow with 'Want Maps'

being worked on for 'who' and 'why'

- the context of use
- Informs workflow
- Highlights humaninformation needs
- Reflects how solution will be of value to end-users
- user workflow with system interaction
- Highlights all Actors involved in a single flow
- Documents 'Business' rules & requirements
- system in action, data entry, user experience design, navigation, etc before the code is cut
- Usability testing begins here
- system responses and requirements in relation to 'Actor' inputs Documents 'System'

requirements



Describes testing outcomes & issues for deployment into production environment



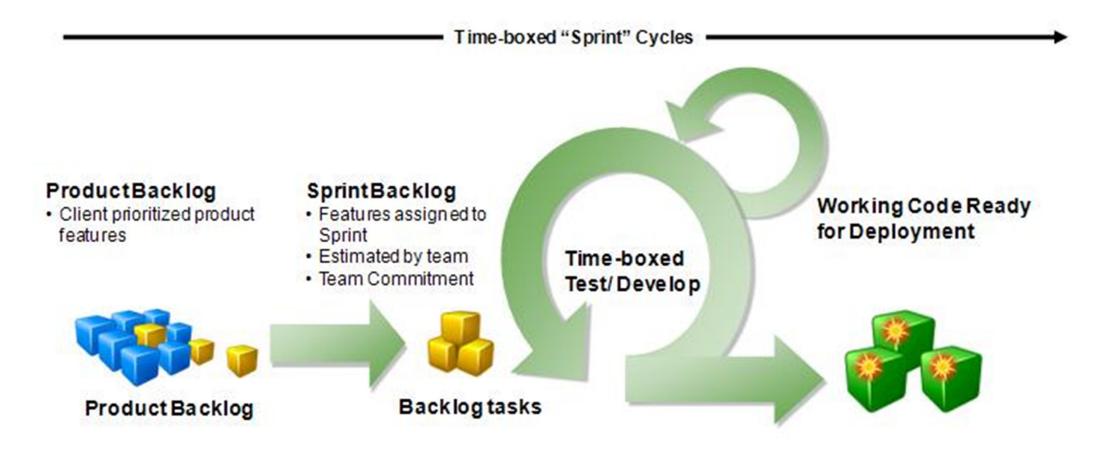
Release/deploy

solution

Sprint retrospective

- Communicates lessons learned
- Identifies bestpractice
- Identifies areas improvement
- Benchmarks activities
- Prepares for next sprint

# **SDLC – Sprint Cycle Model**



## Sprint Planning Meeting

- Review Product Backlog
- Estimate Sprint Backlog
- Commit

## Daily Scrum Meetings

- Done since last meeting
- Plan for today
- Roadblocks/Accelerators?

## Sprint Review Meeting

- Demo features to all
- Retrospective on the Sprint Adjustments

## Initiate

# **Planning**

## **Execution/Controls**

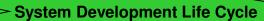
# Closing

### **Monitoring and Controlling**

## **Project Life Cycle Framework**

**Project Funding Approval Life Cycle** 

**Acquisition Life Cycle** 





### Initiation **Phase**

- Pre-Initiation
- Business Case
- Proiect **Analysis**
- Technical Feasibility
- Economic Feasibility
- Project Proposal
- Project Charter
- Project Checklist



### **System Concept Development**

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- Feasibility Study
- Risk Management Plan



### **Planning** Phase

- Scope Statement
- WBS
- Schedule
- · Organize Staff
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- Performance Measures
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  - Traceability Matrix
  - Use Case Development
  - Test Plan



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- · Project Plan (Baseline)
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## **Development**

- Contingency Plan
- Software Development

Integration



### Integration & **Testing**

- Complete Integrated Project Plan
- · Go-Live Readiness Assessment
- Test Analysis Report



## **Implementation**

- Proiect Execution & User Acceptance
- Implement **Approved** Training Plan
- Conduct Closeout Task
- Lessons Learned
- Project Transition Checklist



### **Operations & Maintenance**

- Closeout Report
- Procurement Audit
- Contract Closeout Lessons
- Learned Archive
- Post **Implementation** Review
- EA ROI Report
- Performance Measure
- · Pre-initiate Changes

## **Disposition** Closeout

- Disposition Plan
- Project Closeout
- Post Termination **Review Report**

Initiation Phase	System Concept Development	Planning Phase	Requirements Analysis	Design Phase	Development	Integration & Testing	Implementation	Operations & Maintenance	Disposition Closeout
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