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SS ZG622: Software Project Management Contact Session # 2

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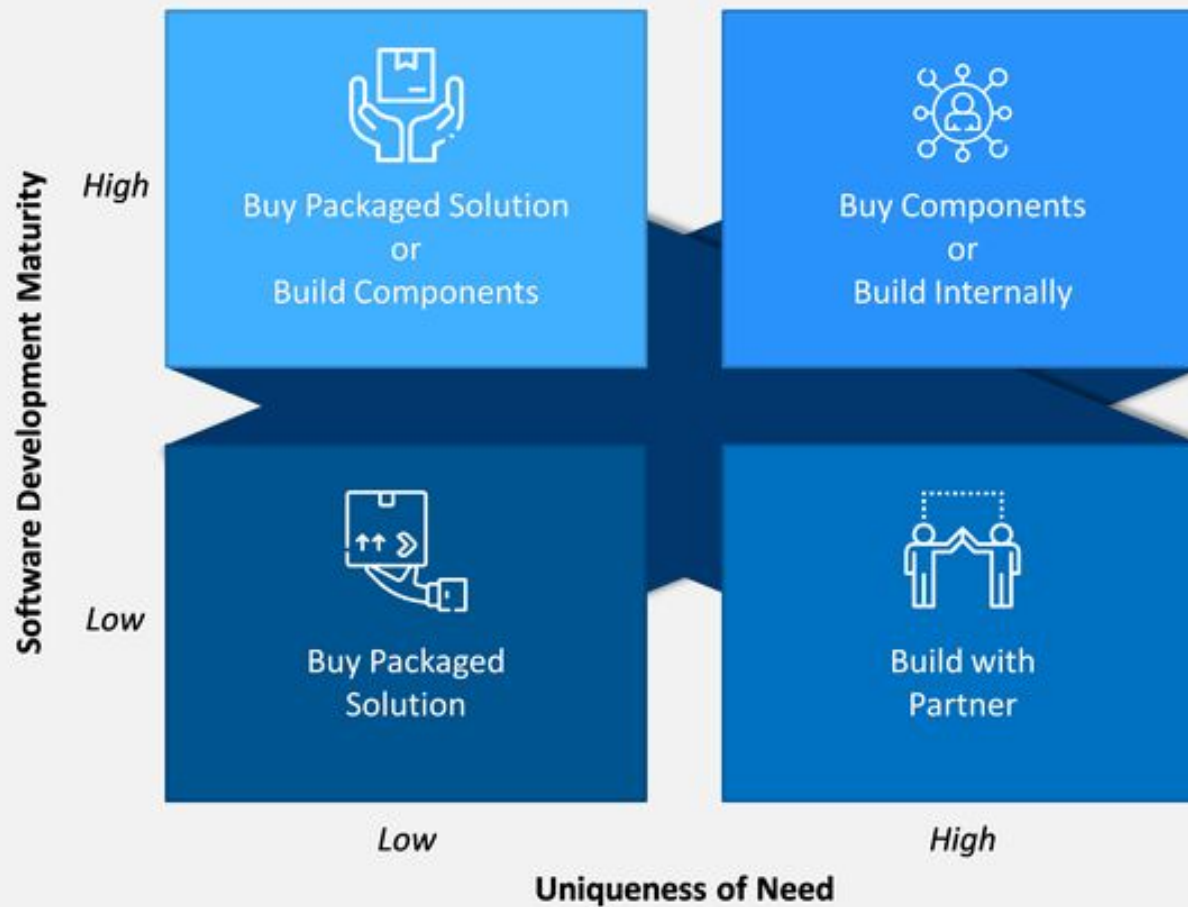
Outline



- Buy vs. build decision
- Plan-driven and agile process models
 - Some popular models
 - Selection of right process model for a given project
- Agile paradigm shift
- Overview of Scrum and user stories

BUILD VS BUY

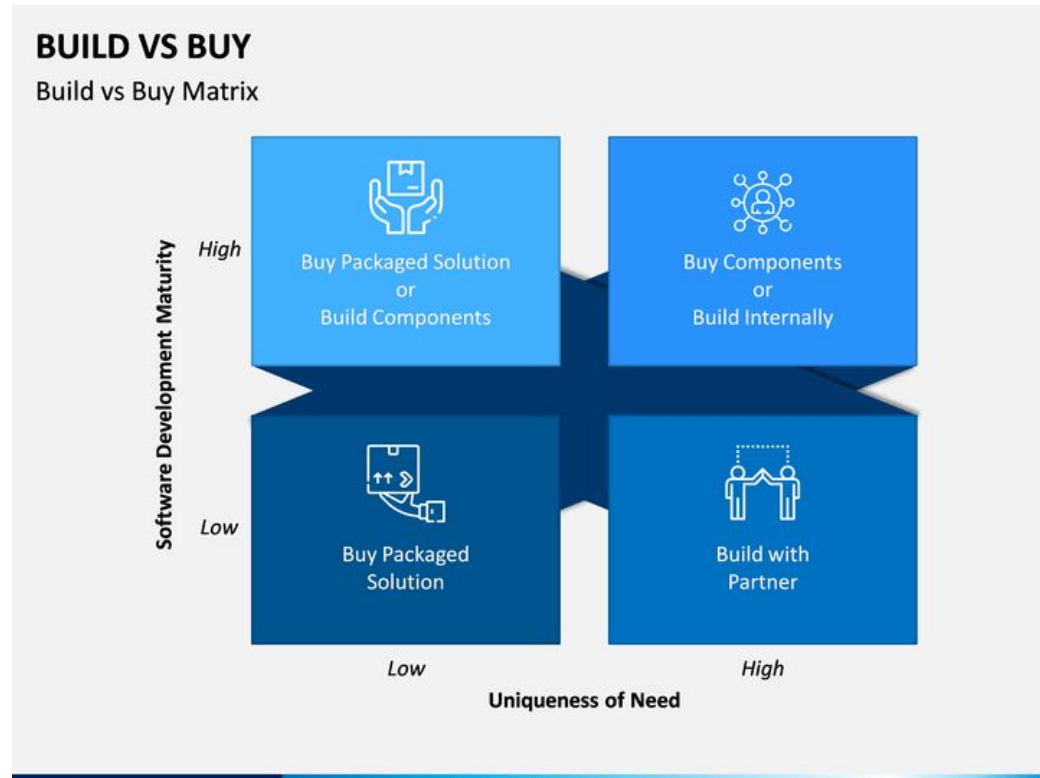
Build vs Buy Matrix



Activity CS2 #1



Which option is best suited for the Mux Core System(s) at ACL? And, why?

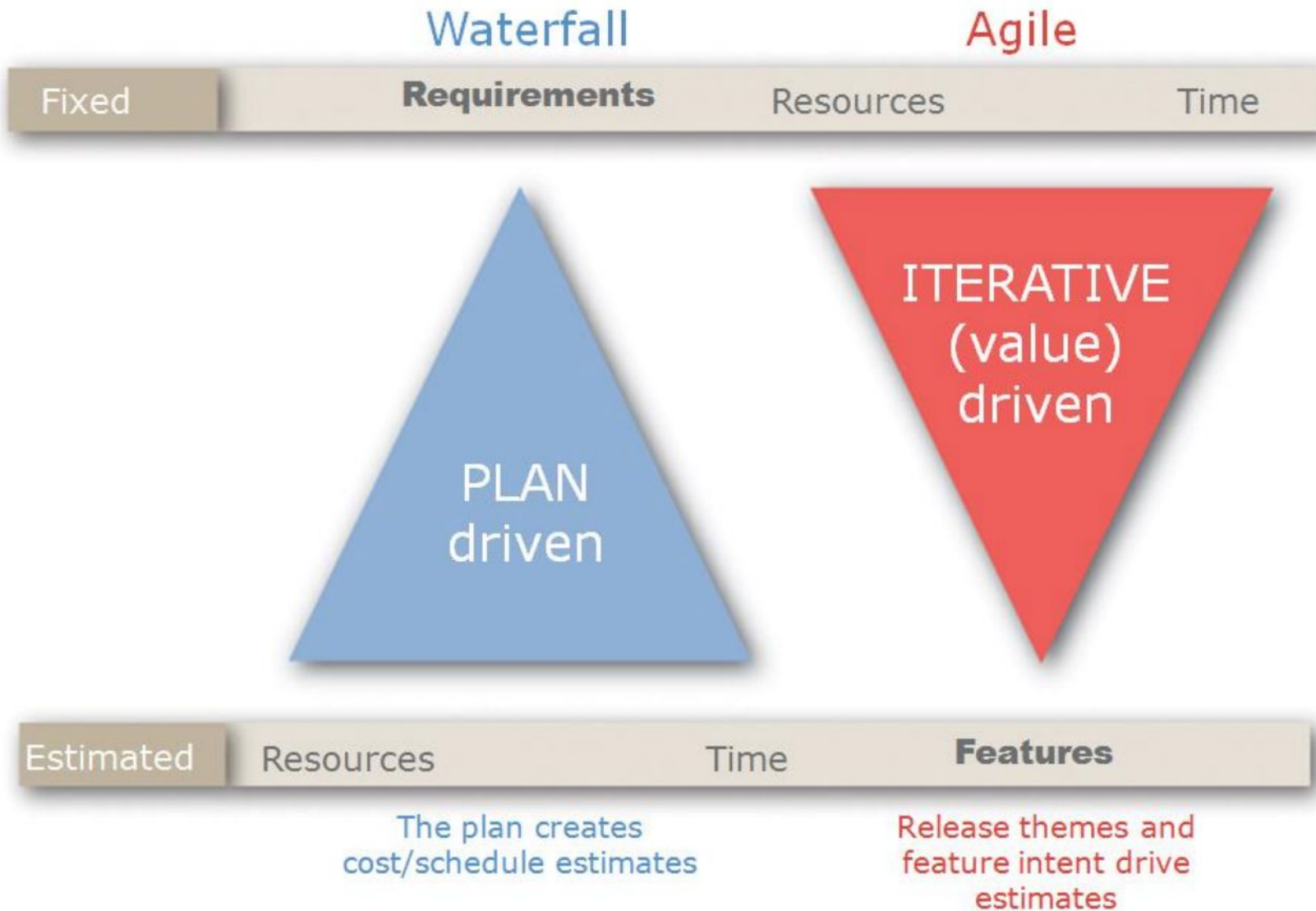


Plan-driven vs. agile process models



- In plan-driven process models, activities are planned in advance and progress is measured against the plan
- In agile process models, planning is incremental and it is easier to change the process to reflect changing requirements
- There is no right or wrong process model; most organizations/teams include elements from both in their process models

The Agile Paradigm Shift



Specific elements of the paradigm shift



- Customer-driven vs. customer-centric
- Change as an asset vs a risk
- Internally vs externally managed
- Teamwork vs. individual performance

<https://blog.planview.com/4-paradigm-shifts-that-traditional-project-management-teams-must-embrace-to-make-agile-work/>

Also, read <https://blog.planview.com/dos-and-donts-for-agile-team-success/>

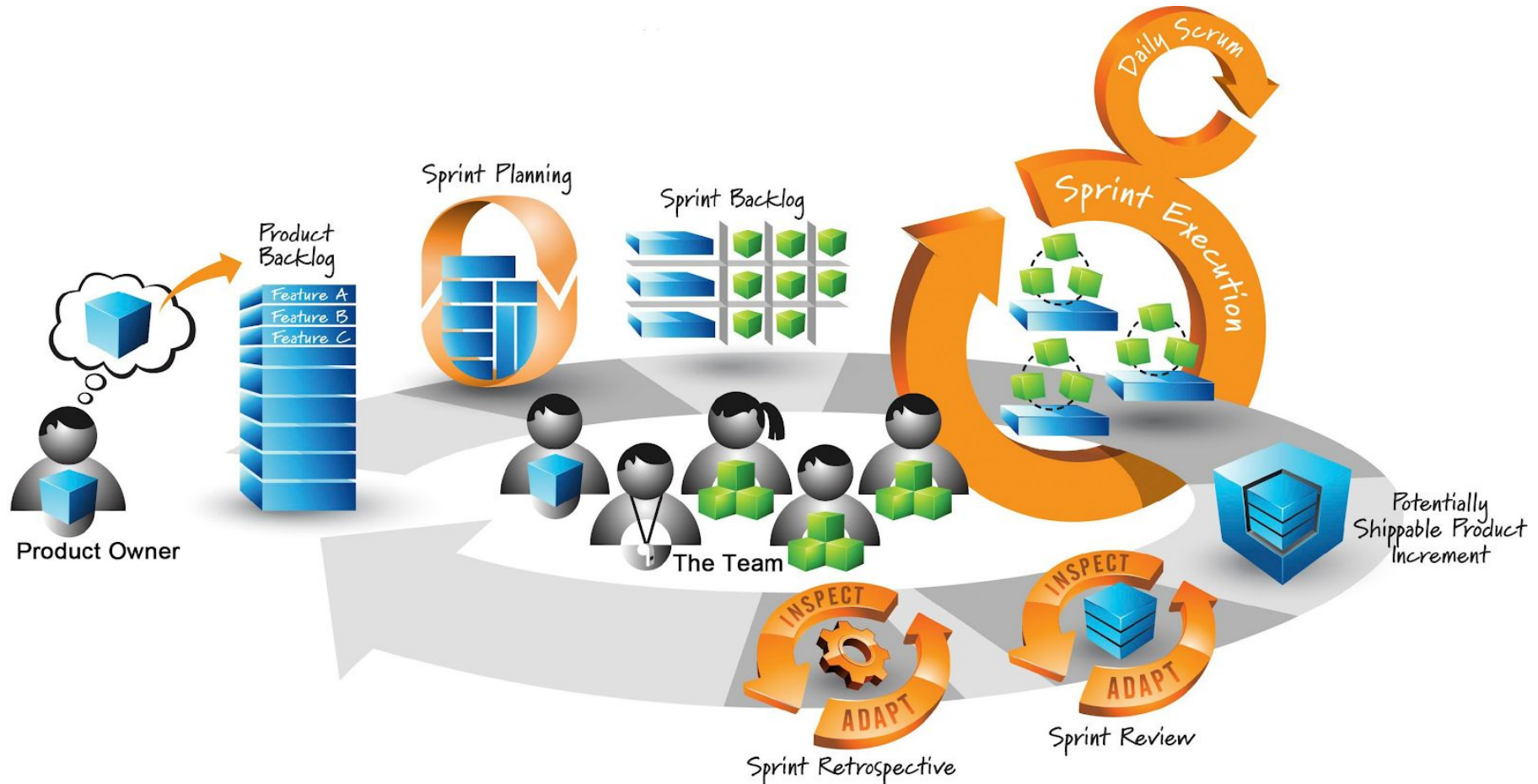
Activity CS2 #2



Identify pros and cons of using the following process models for the Mux-Core Project

- waterfall
- iterative/incremental
- scrum (agile)

Agile method Scrum - Overview



Product Backlog written as User Stories



User Story Template

- As a **user/role**, I want to **functionality/feature** so that **benefit**

Example user stories in Library System

- As a **student**, I want to **reserve books** I want so that **I can borrow the books as soon as they are available**
- As a **faculty**, I want to **recommend books for my courses** so that **my students will be able to read those books**

Read <https://www.mountangoatsoftware.com/agile/user-stories>

Activity - CS02#4



Write four or five user stories for the Sales system of Mux-Core project at ACL