



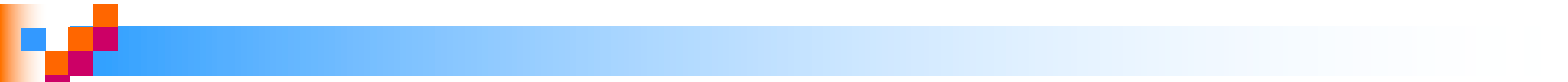
Modern Systems Analysis and Design

Seventh Edition

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Chapter 3 Appendix

Object-Oriented Analysis and Design: Project Management



Learning Objectives

- ✓ Describe the unique characteristics of an OOSAD project.



Unique Characteristics of an OOSAD Project

- OOSAD projects use a more iterative design approach, such as prototyping or object-oriented analysis and design.
- During the OOSAD process, the system evolves incrementally over the life of the project.
 - A portion of the final system is constructed during each iteration phase.

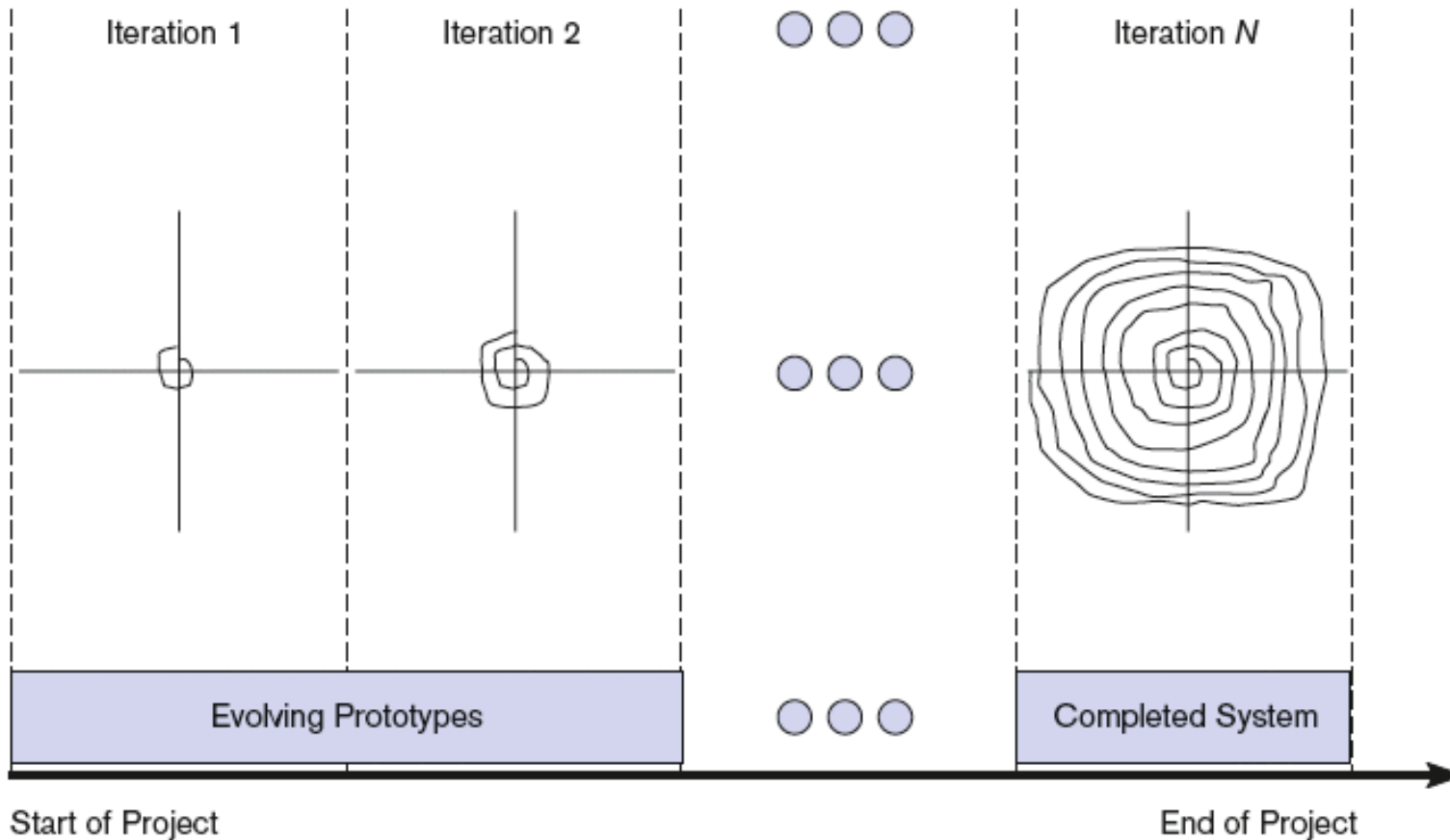


FIGURE 3-32 During the OOSAD process, the system evolves incrementally over the life of the project.



Unique Characteristics of an OOSAD Project (Cont.)

- Define the system as a set of components.
 - Object-oriented development projects are developed using ongoing management and evolving system functionality.
- Complete hard problems first.
 - The focus and ordering of system components change over the life of the project.



Unique Characteristics of an OOSAD Project (Cont.)

- Use iterations to manage the project.
 - The workflow of an iteration
- Don't plan too much up front.
 - Planning estimation improves over time.
- How many and how long are iterations?
 - An OOSAD project typically has 6 to 9 iterations.



Unique Characteristics of an OOSAD Project (Cont.)

- Project activity focus changes over the life of a project.
 - As the project evolves, system functionality evolves.

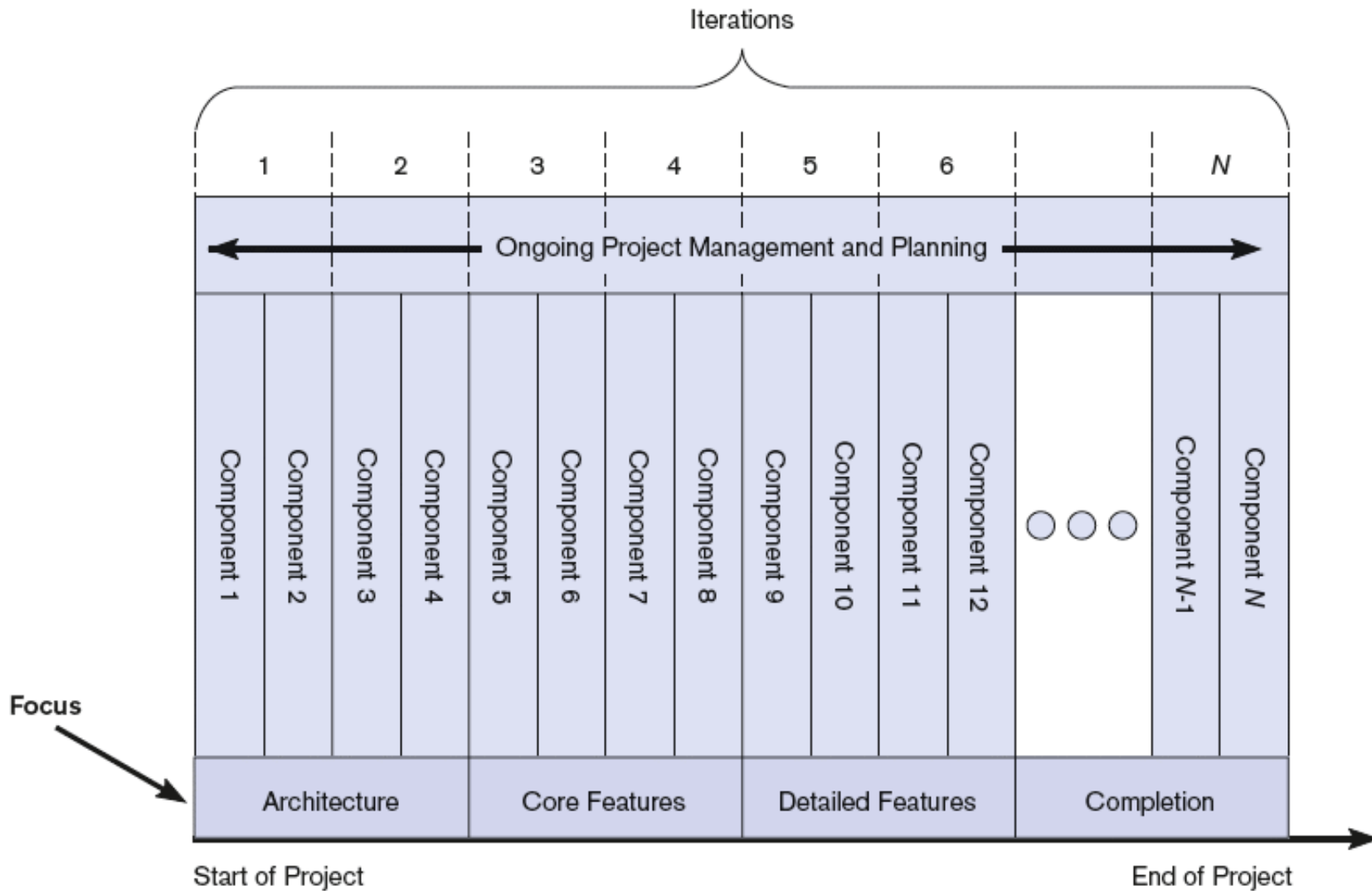


FIGURE 3-34

The focus and ordering of system components change over the life of the project.

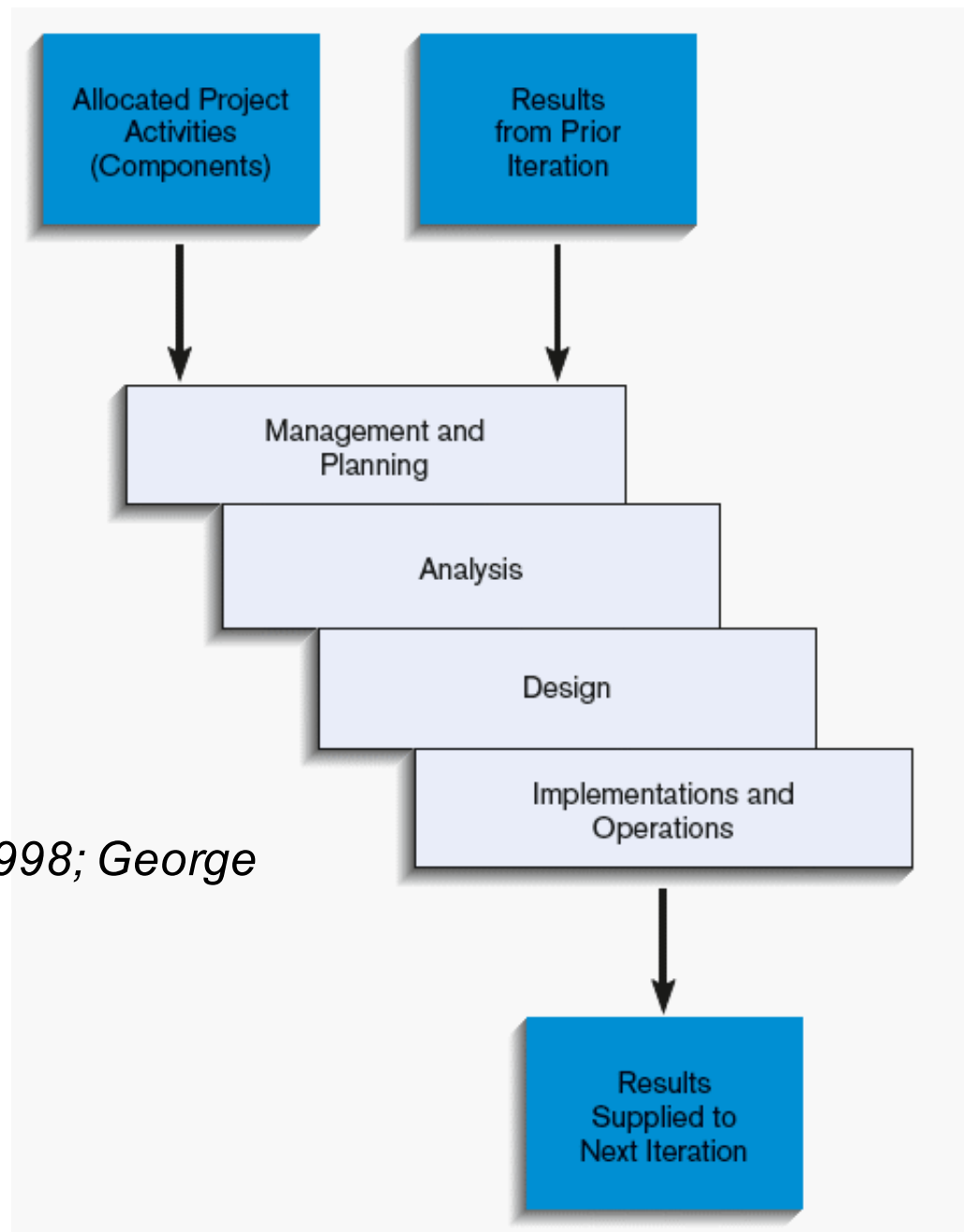


FIGURE 3-35

The workflow of an iteration
(Source: Based on Royce, 1998; George et al., 2007.)

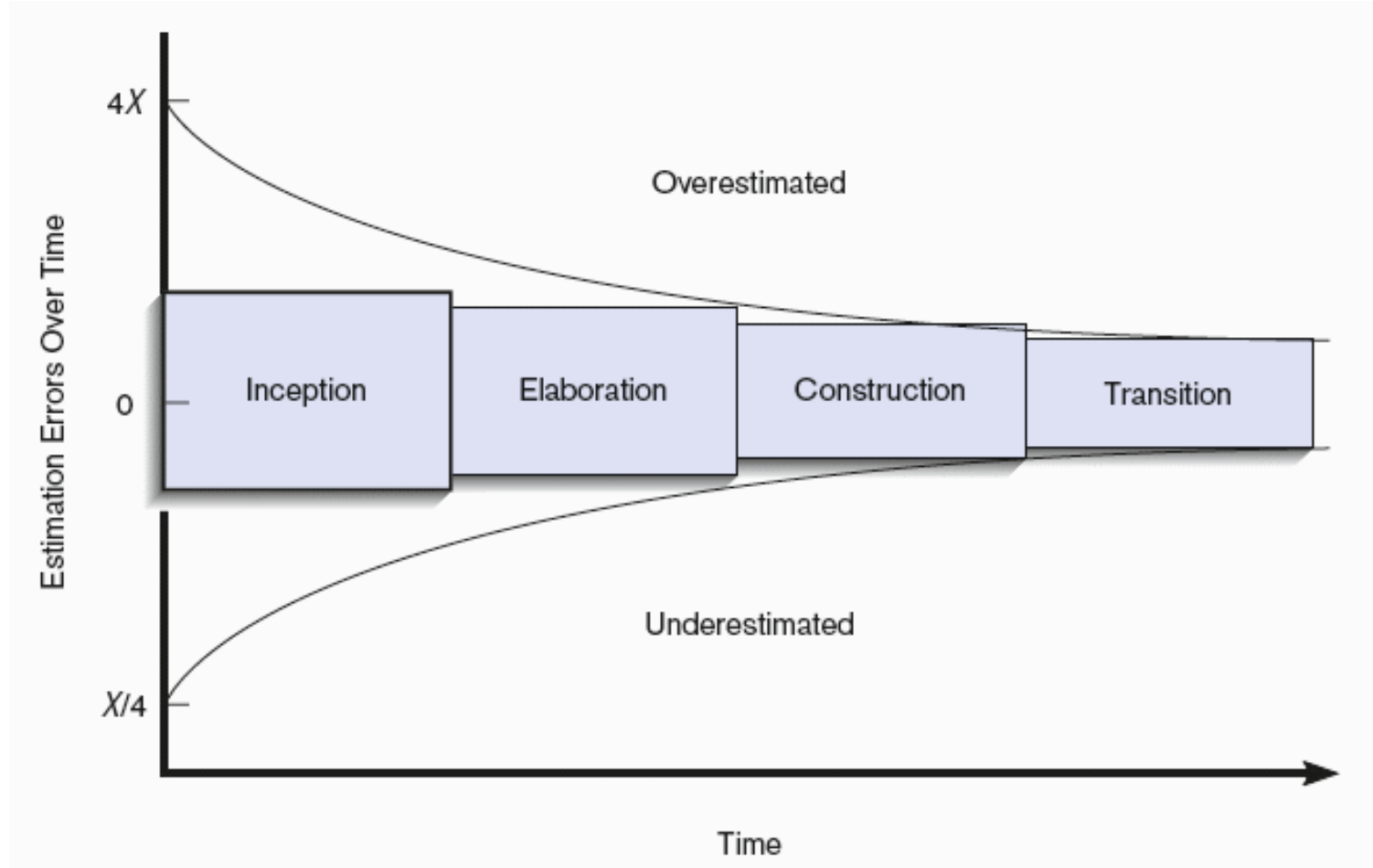


FIGURE 3-36

Planning estimation improves over time.

(Source: Based on Royce, 1998; George et al., 2007.)

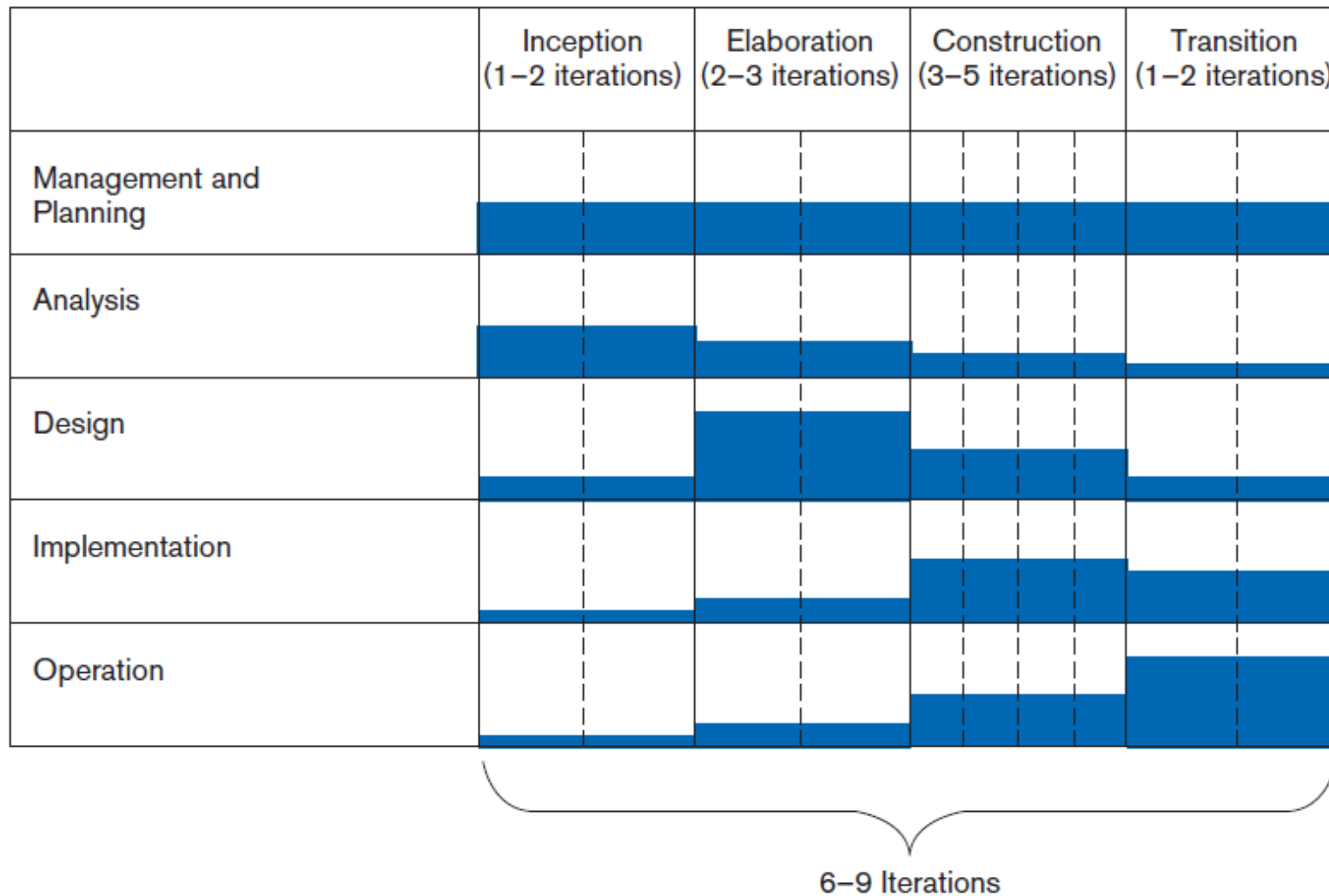


Figure 3-37

An OOSAD project typically has six to nine iterations.

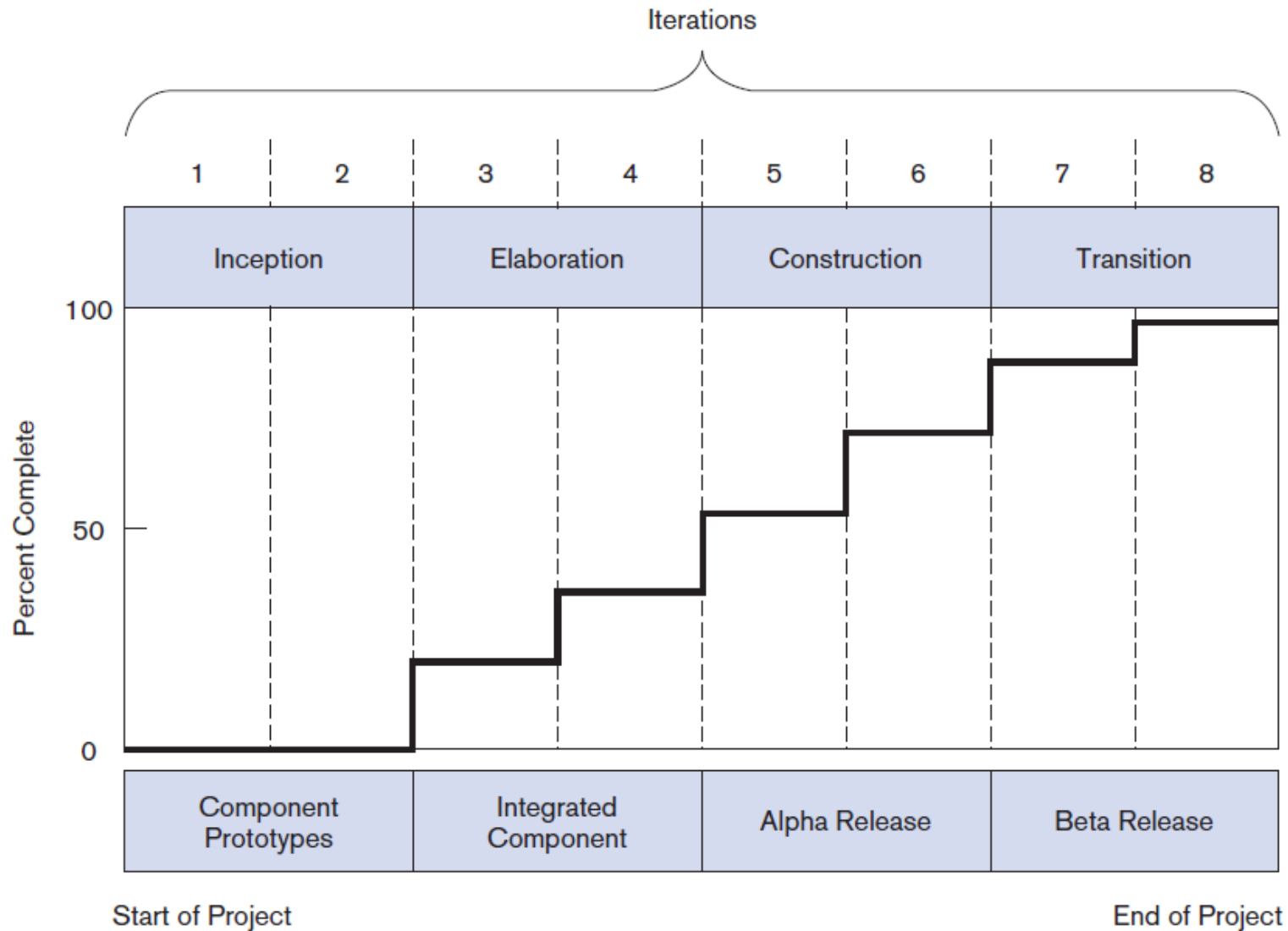
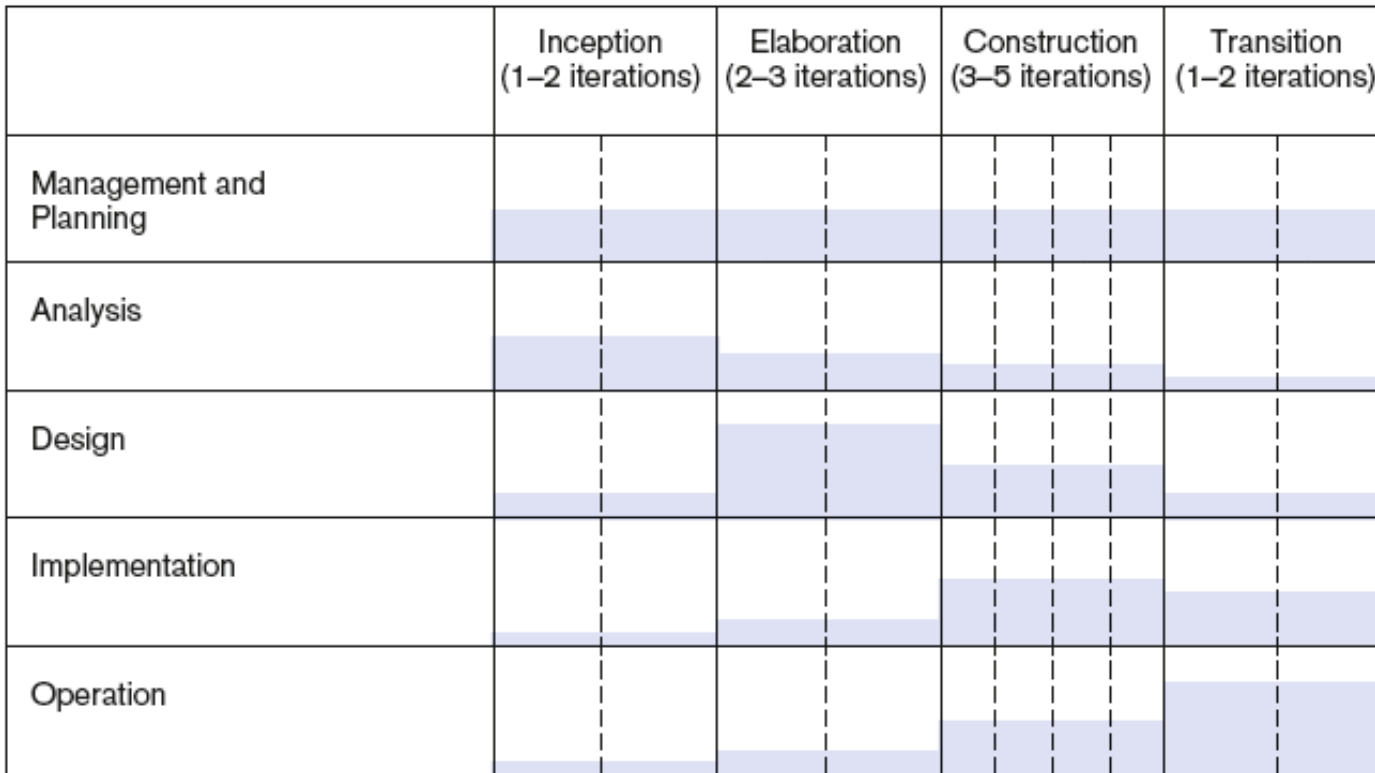


Figure 3-38

As the project evolves, system functionality evolves.

(Source: Based on Royce, 1998; George et al., 2007.)



Start of Project → End of Project

FIGURE 3-39

The level and focus of activity across the systems development process change from the start to the end of the project.



Summary

- In this appendix you learned how to:
 - ✓ Describe the unique characteristics of an OOSAD project.



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