

# Software Development Lifecycle

CPSC 1181 – O.O.

Jeremy Hilliker  
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# Waterfall (Royce)

1. Systems requirements
2. Software requirements
3. Analysis
4. Program design
5. Coding
6. Testing, and
7. Operation

"I believe in this concept, but the implementation described above is risky and invites failure."

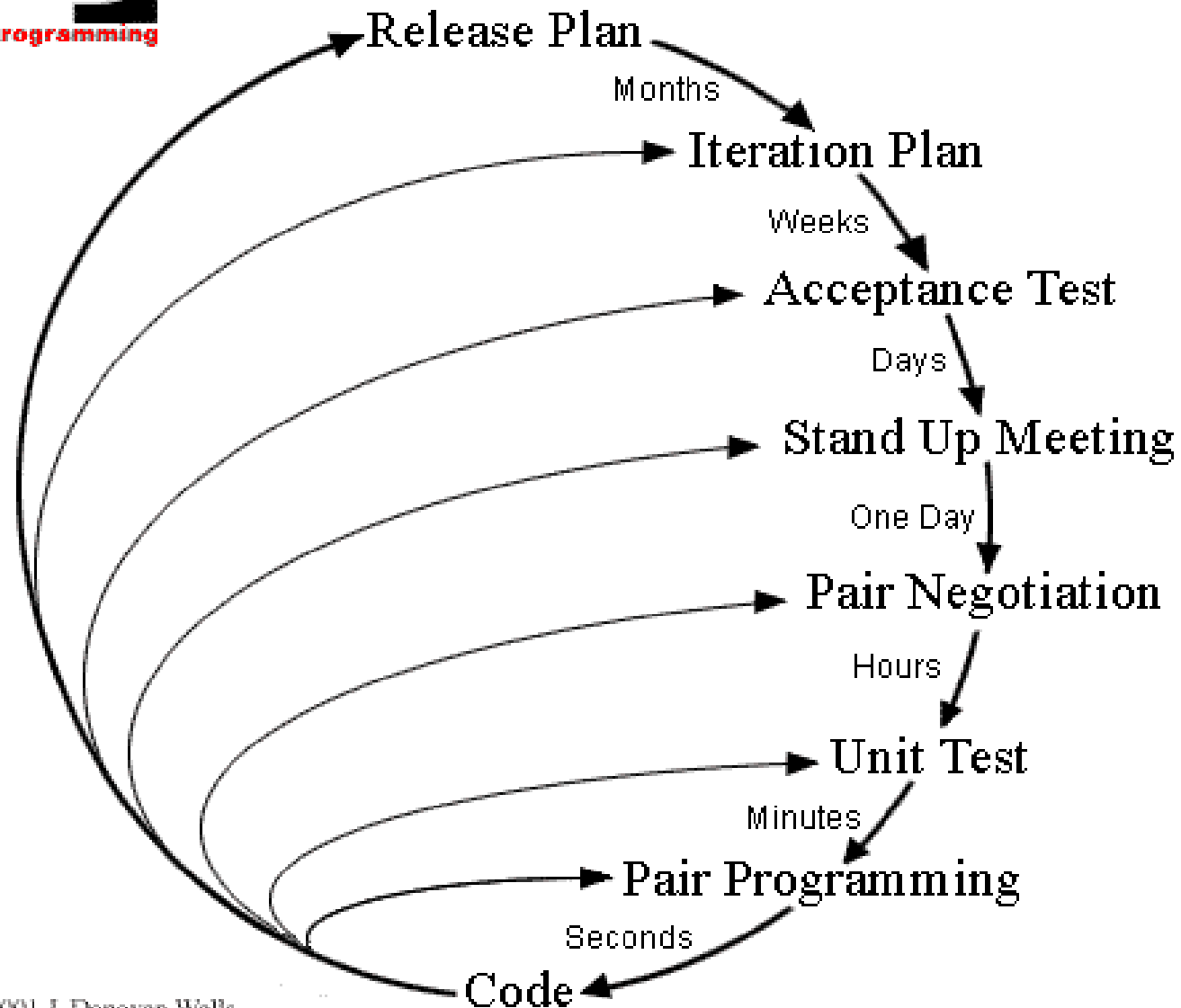
[Royce, Winston W. "Managing the development of large software systems. "Proceedings of IEEE WESCON. Vol. 26. No. 8. 1970.](#)

# SCRUM PROCESS





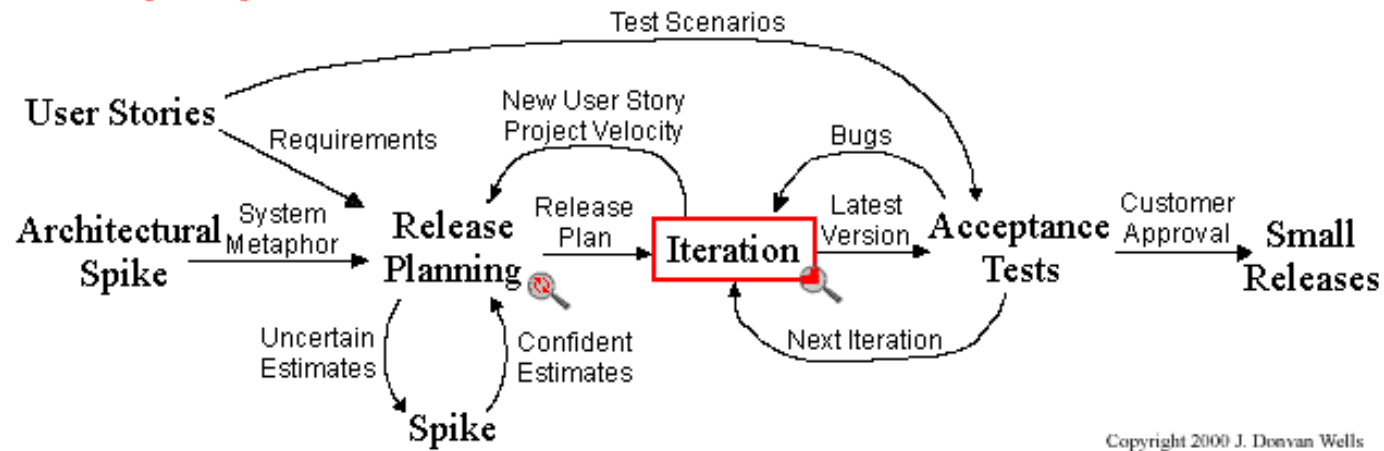
# Planning/Feedback Loops Zoom Out



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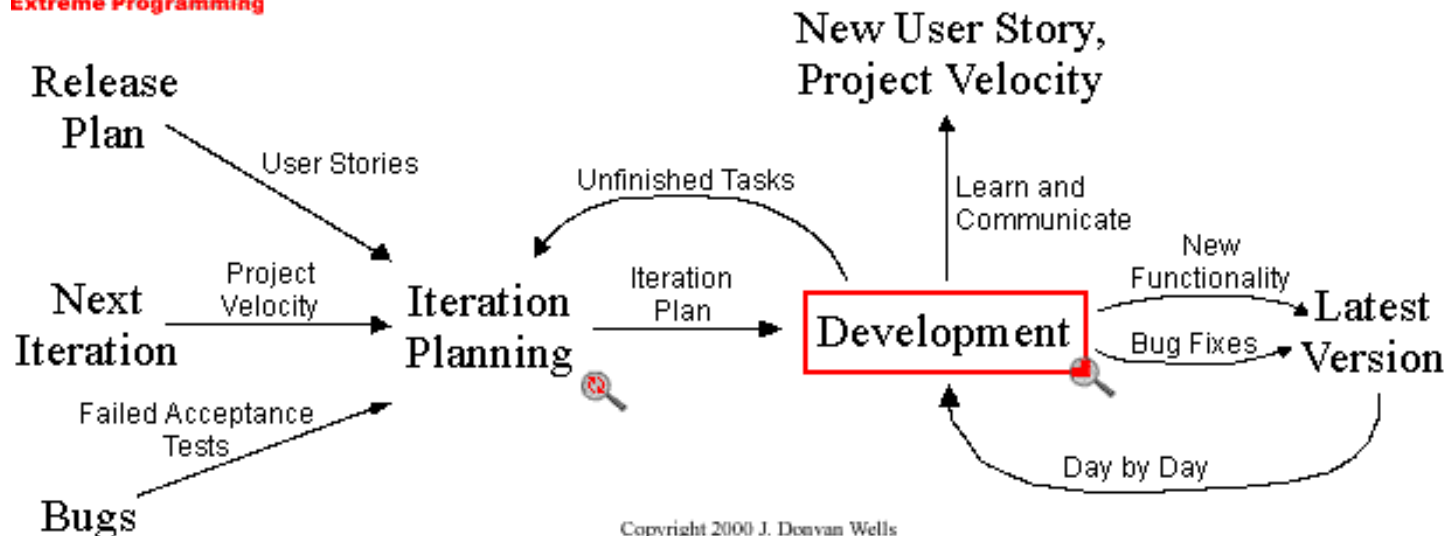


# Extreme Programming Project



## Iteration

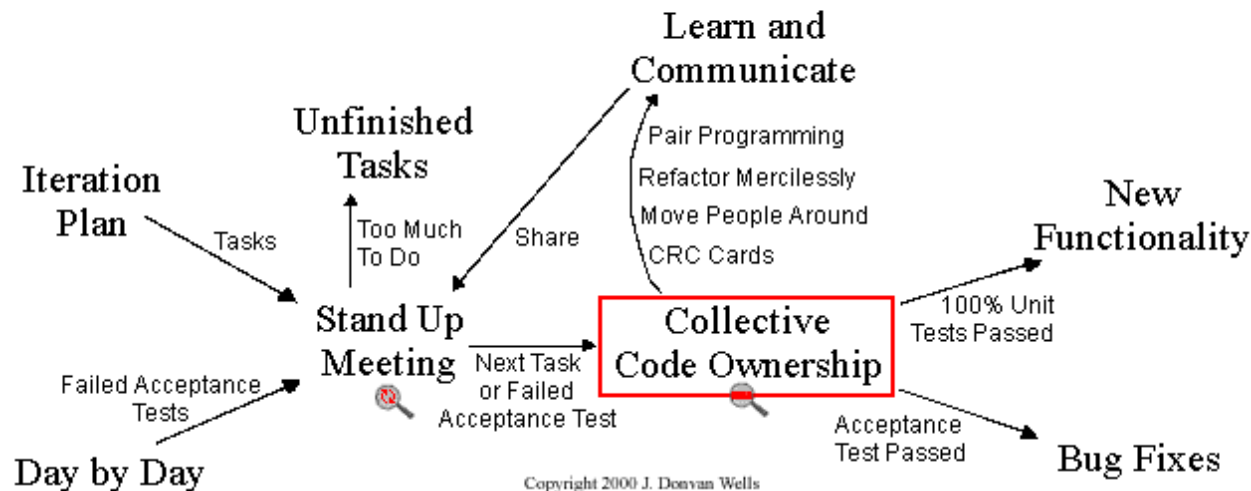
Zoom Out





## Development

Zoom Out



## Collective Code Ownership

Zoom Out

