

CISC/CMPE 327 Software Quality Assurance

Queen's University, 2019-fall

Lecture #4

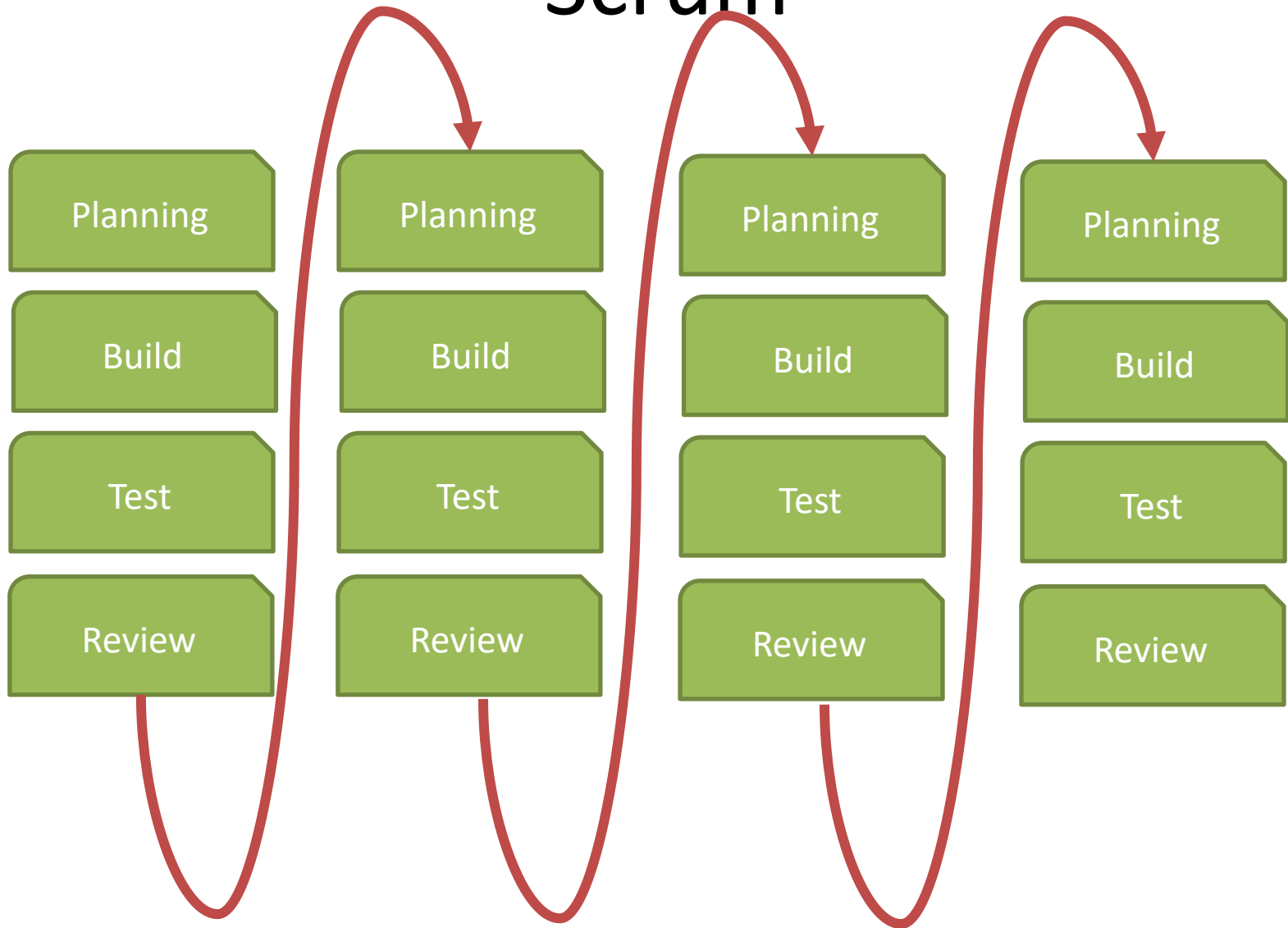
Scrum

Software Process Evaluation

Scrum

- Continuous improvement. Consists of cycles, and each cycle a subset of the features are developed, tested, (and maybe shipped)! Incremental release: sprint
- Prioritizing features
- Getting work DONE
- Getting work delivered
- Reduce the time between planning and getting the product out

Scrum



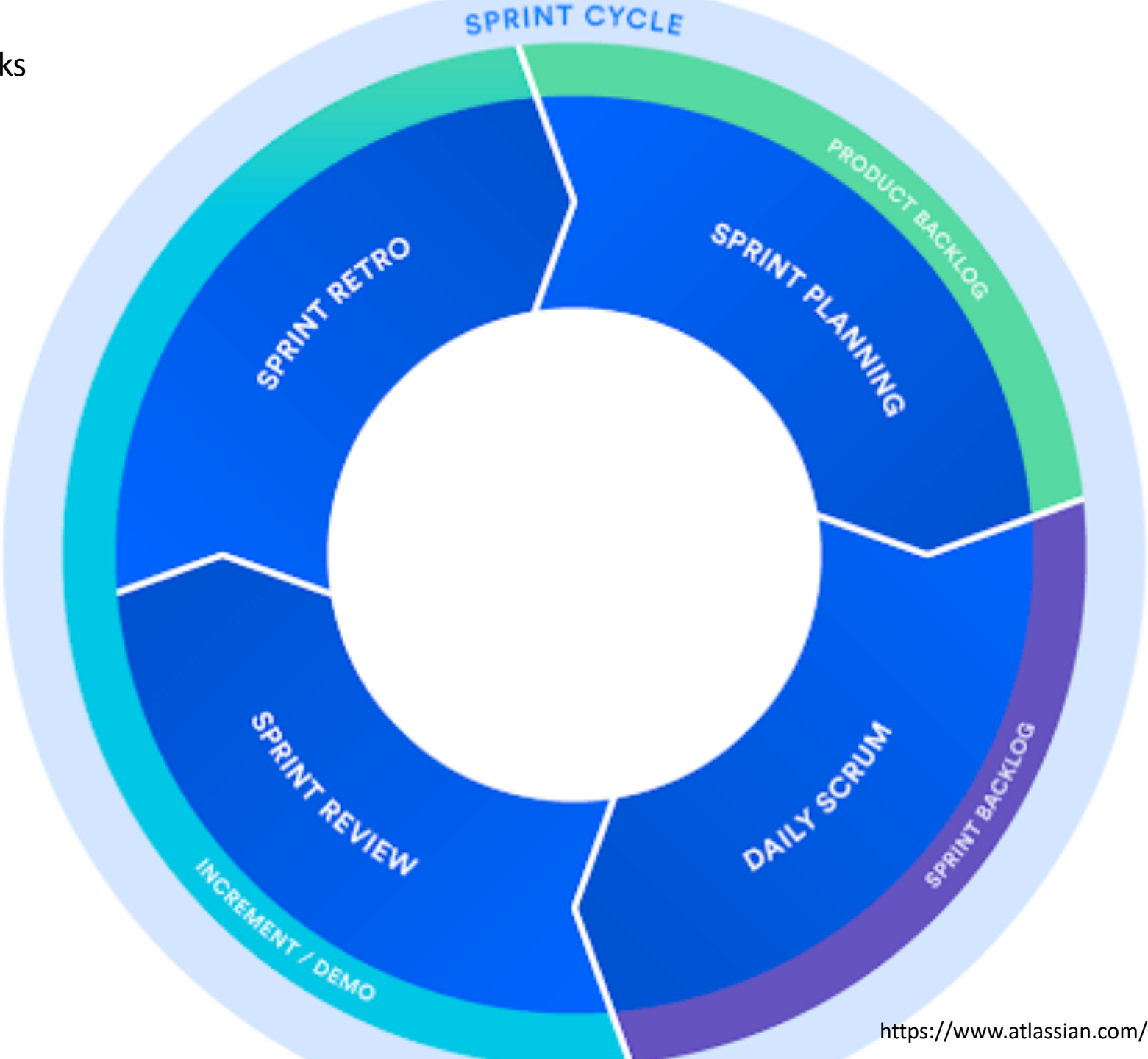
Scrum - Roles

- Roles in a Scrum Team
 - Product Owner
 - Represent **customers** and other **stakeholder**
 - **Product backlog** (prioritized list of features, as user stories)
 - User story – describe a feature set. Describing:
 - As a _____
 - I want _____
 - So that _____

Scrum - Roles

- Roles in a Scrum Team
 - Scrum Master
 - Leader of the team
 - Keep the team running
 - Protecting the process
 - Organize meetings
 - Making sure all activities are going
 - Development/Testing Team
 - Development and Testing

1-3 weeks



Scrum

- Compared to waterfall model?
 - Faster iteration
 - Significantly accelerate the product delivery
- Compared to Spiral Model?
 - Well-defined activities
 - Missing risk assessment
- Other drawbacks:
 - Difficult to master (required experienced members)
 - Daily meeting (stress/frustration leads to bad work)
 - Bugs found after sprint counted as new work. Reduced incentive to quality.