

SER516

Software Agility:

Project and Process Management

Lecture 10. Sprints

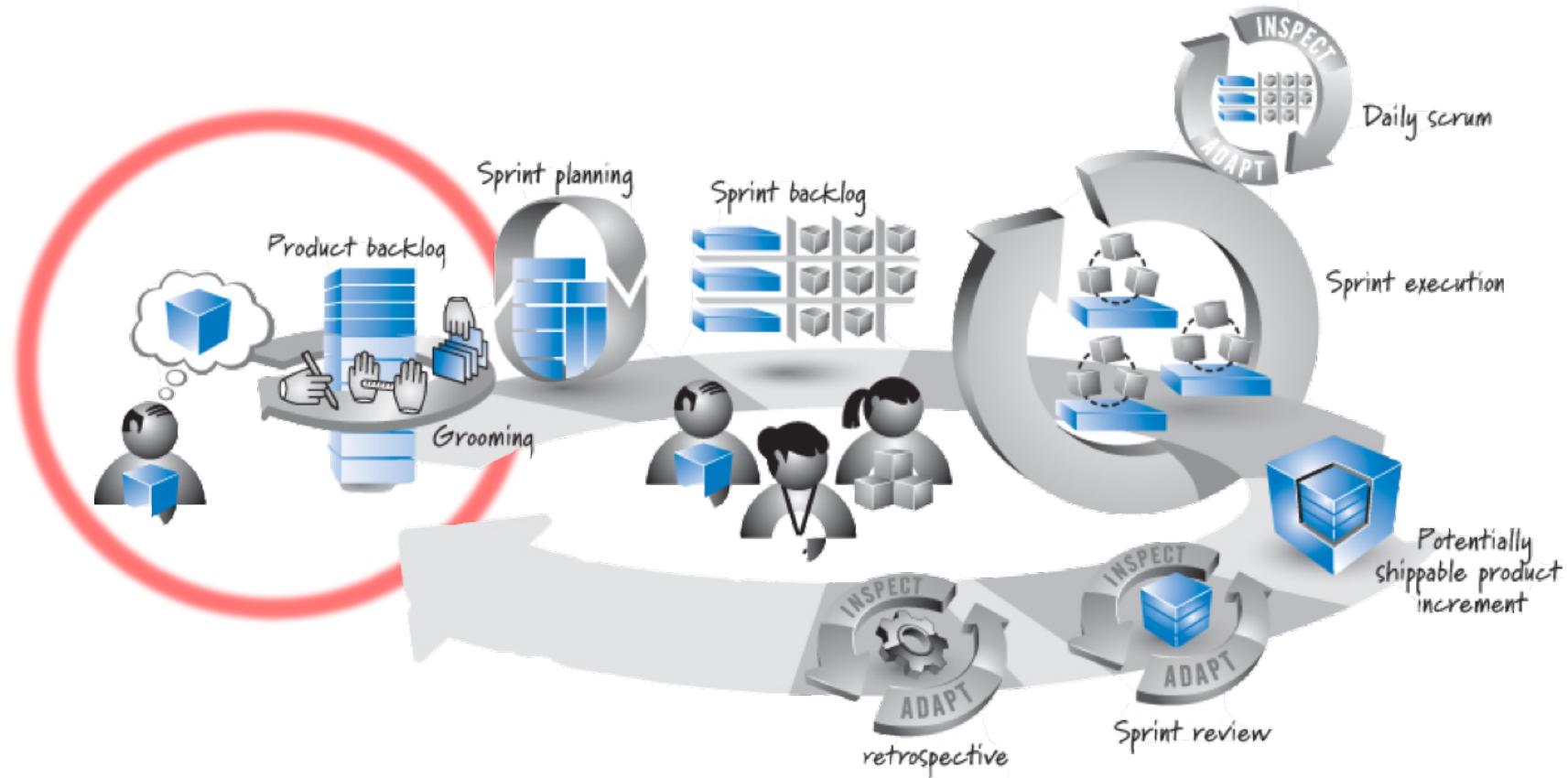
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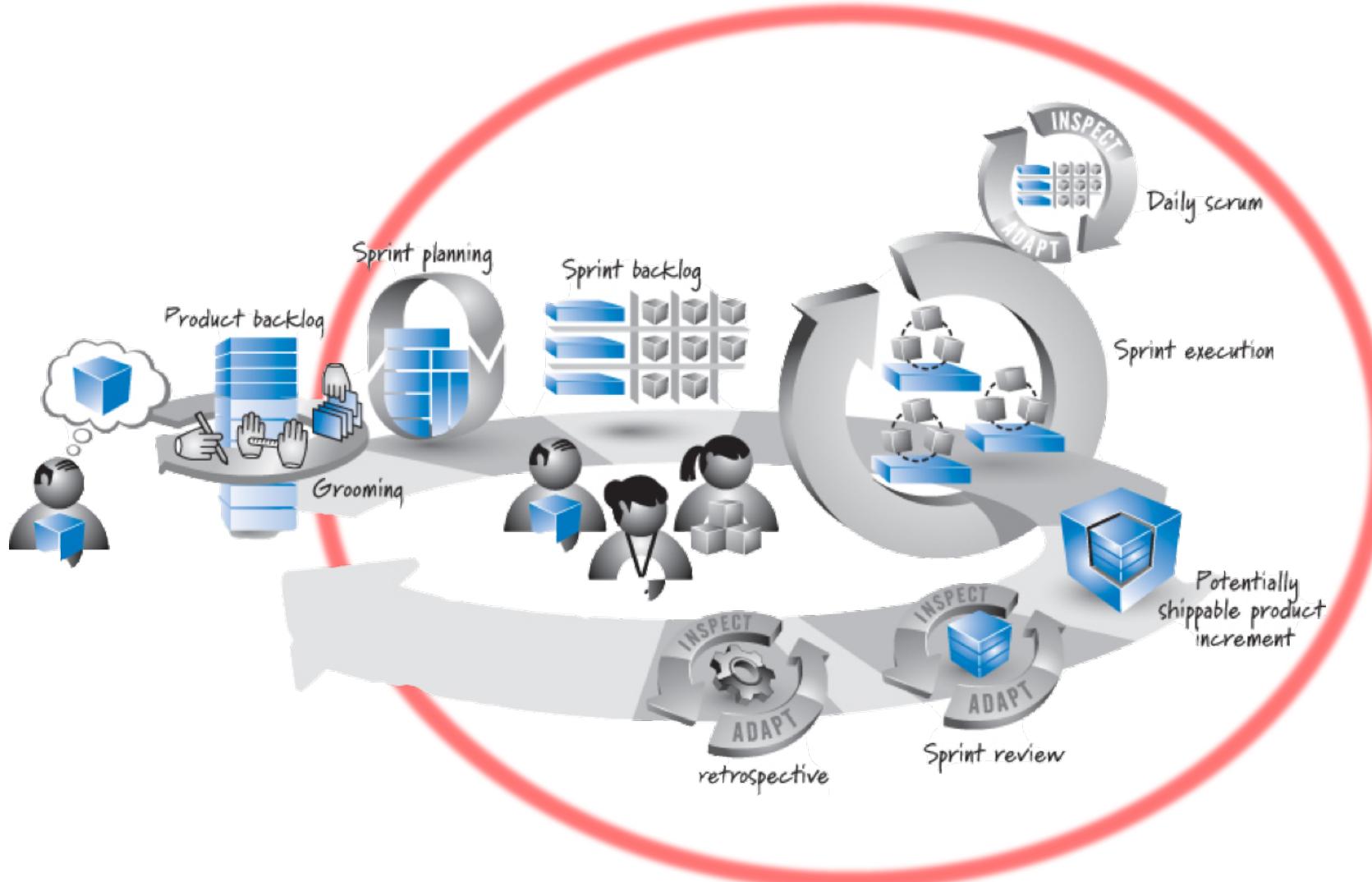
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Office Hours: By appointment

Next Step:



Next Step:



9

Sprints

*types.Operator):
 X mirror to the selected
 select.mirror_mirror_x"*

```
    mirror_mod = modifier_obj  
    # mirror object to mirror  
    mirror_mod.mirror_object  
    if operation == "MIRROR_X":  
        mirror_mod.use_x = True  
        mirror_mod.use_y = False  
        mirror_mod.use_z = False  
    elif operation == "MIRROR_Y":  
        mirror_mod.use_x = False  
        mirror_mod.use_y = True  
        mirror_mod.use_z = False  
    elif operation == "MIRROR_Z":  
        mirror_mod.use_x = False  
        mirror_mod.use_y = False  
        mirror_mod.use_z = True
```

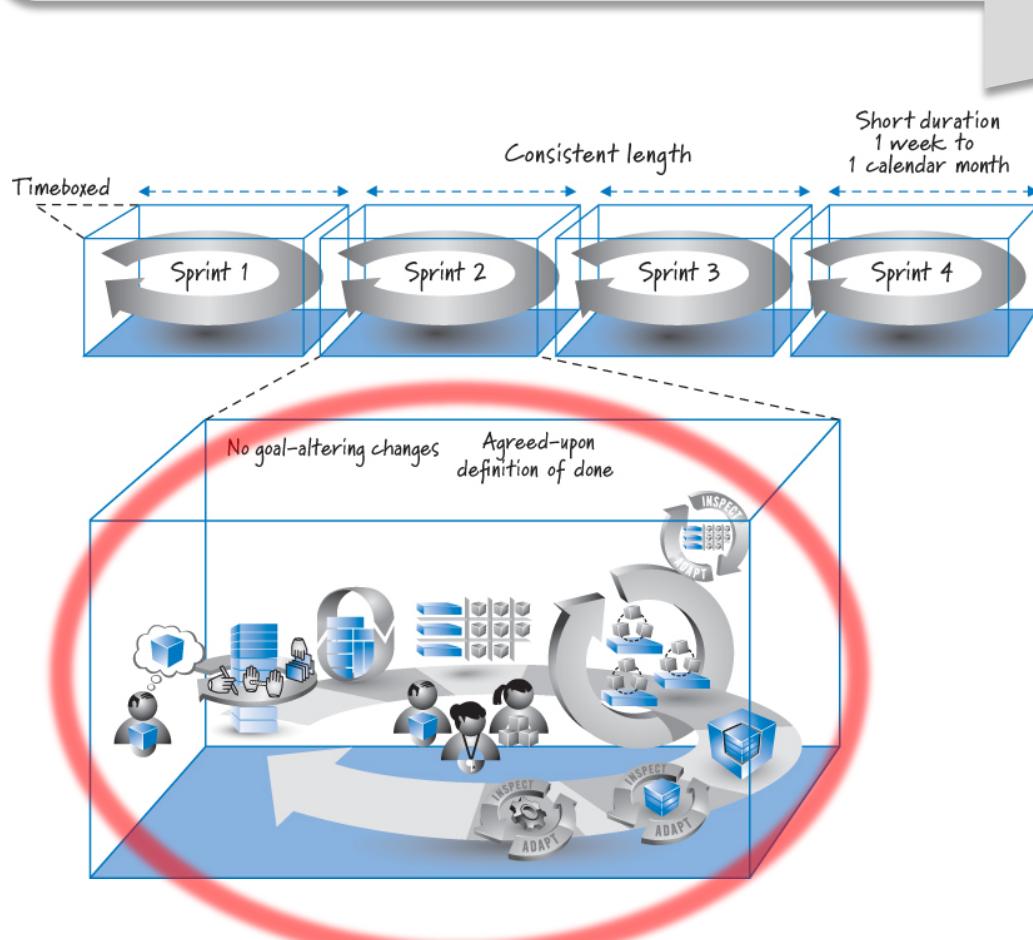
```
    # selection at the end - add  
    mirror_obj.select= 1  
    mirror_obj.select=1  
    bpy.context.scene.objects.active = mirror_obj  
    ("Selected" + str(modifier))  
    mirror_obj.select = 0  
    bpy.context.selected_objects = data.objects[one.name].select
```

print("please select exactly one object")

-- OPERATOR CLASSES -----

Sprint

- **Time-boxed**
- **Short** and with consistent duration
- Define a **goal that cannot be altered** once started



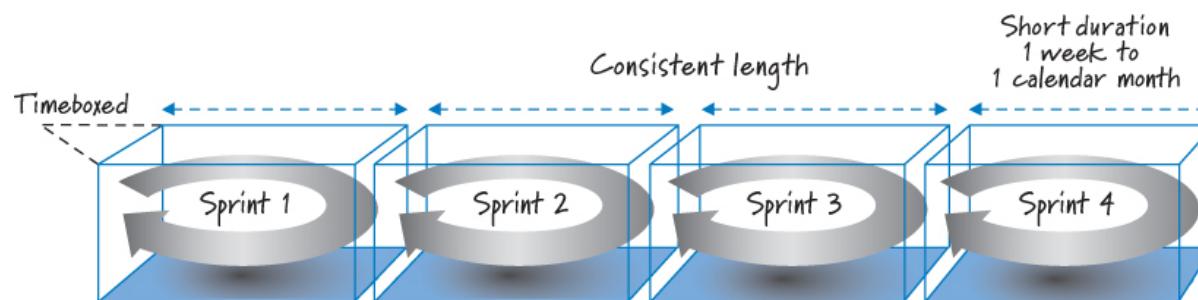
Sprint characteristics | Time-boxed

External:

- Show progress

Internal:

- Complete what you defined as important (**responsibility**)
- Learn about your team (**capability**)
- Encourages to have the work done (**motivation**)



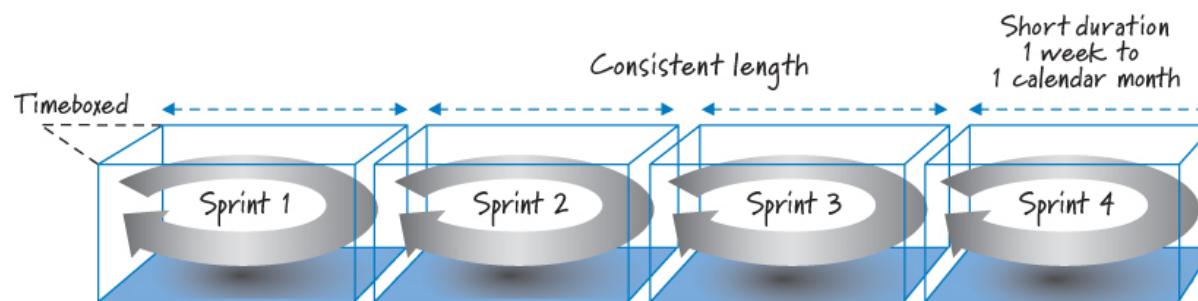
Sprint characteristics | Short-duration

External:

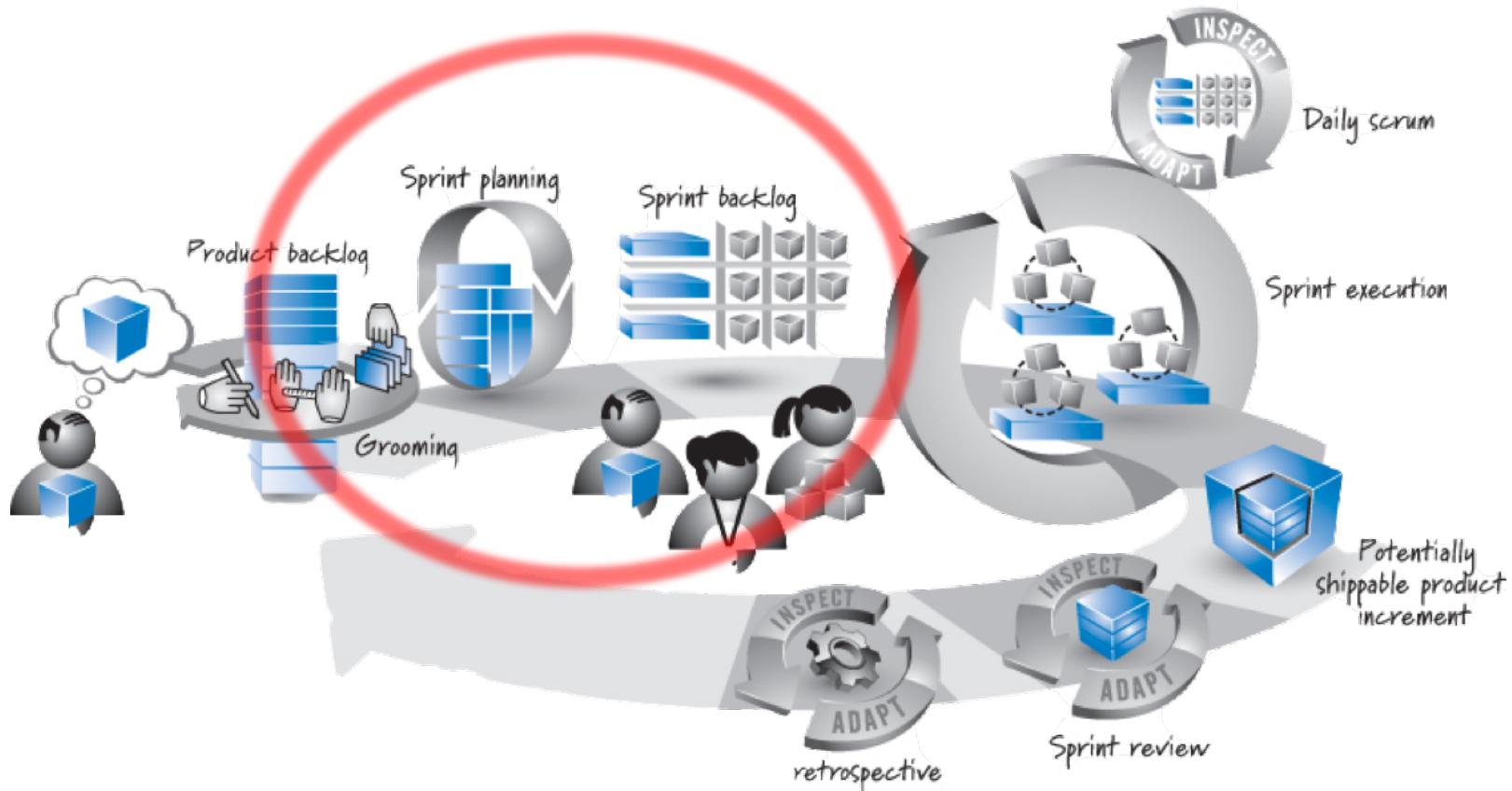
- Fast **Feedback**
- Return of **Investment** (ROI)

Internal:

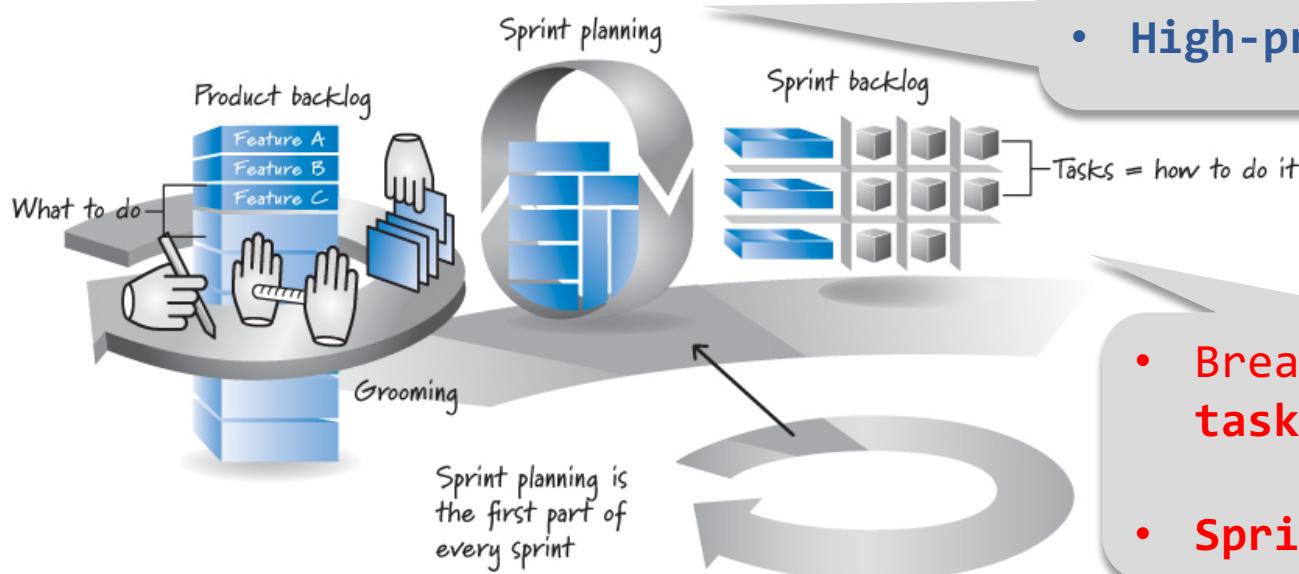
- Easy to plan
- Bounded **Error** (product and teamwork)
- "excitement" over time.
- **Check points**



1. Sprint Planning



1. Sprint Planning

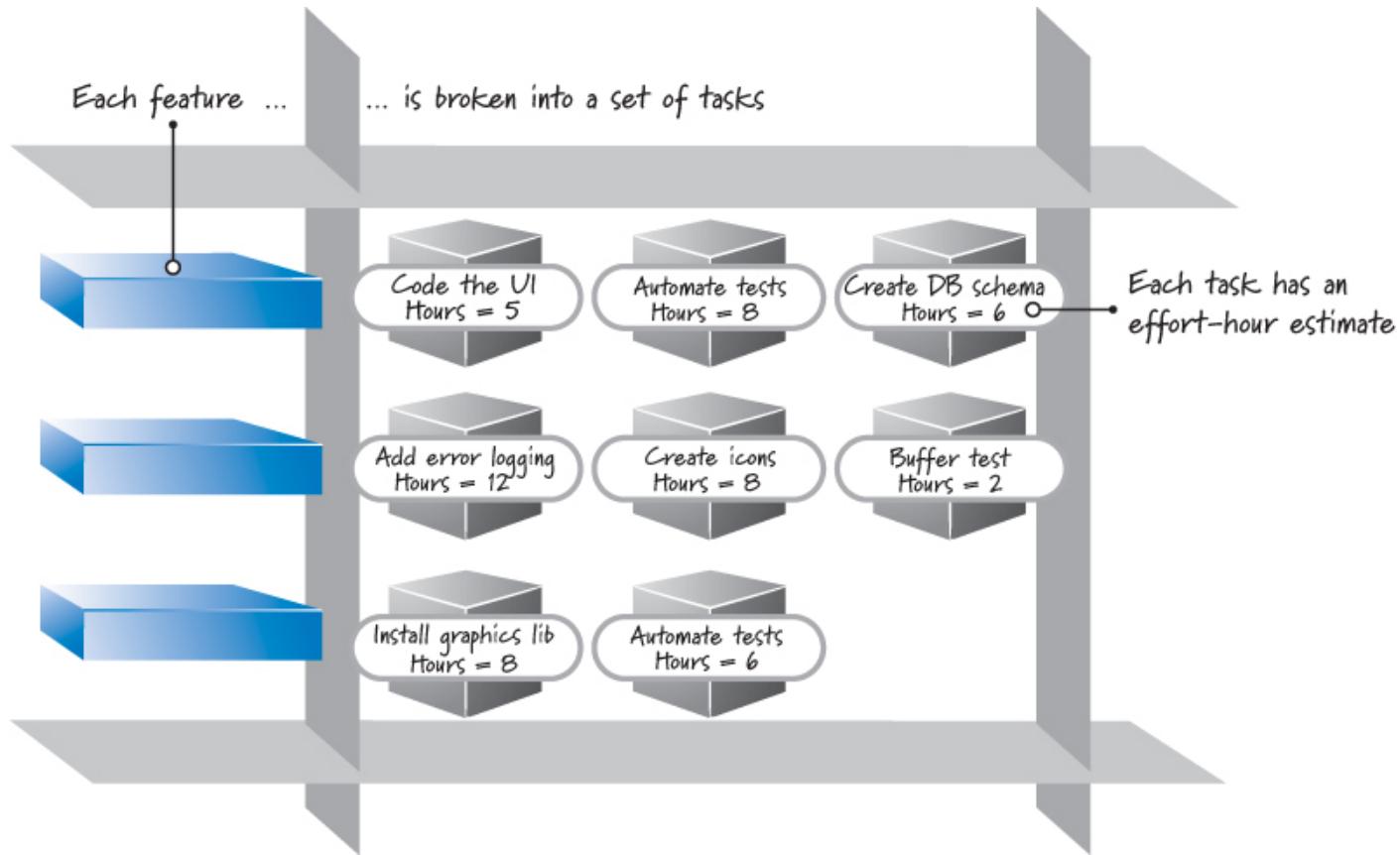


- Sprint planning (**hours**)
- Sprint duration (**weeks**)

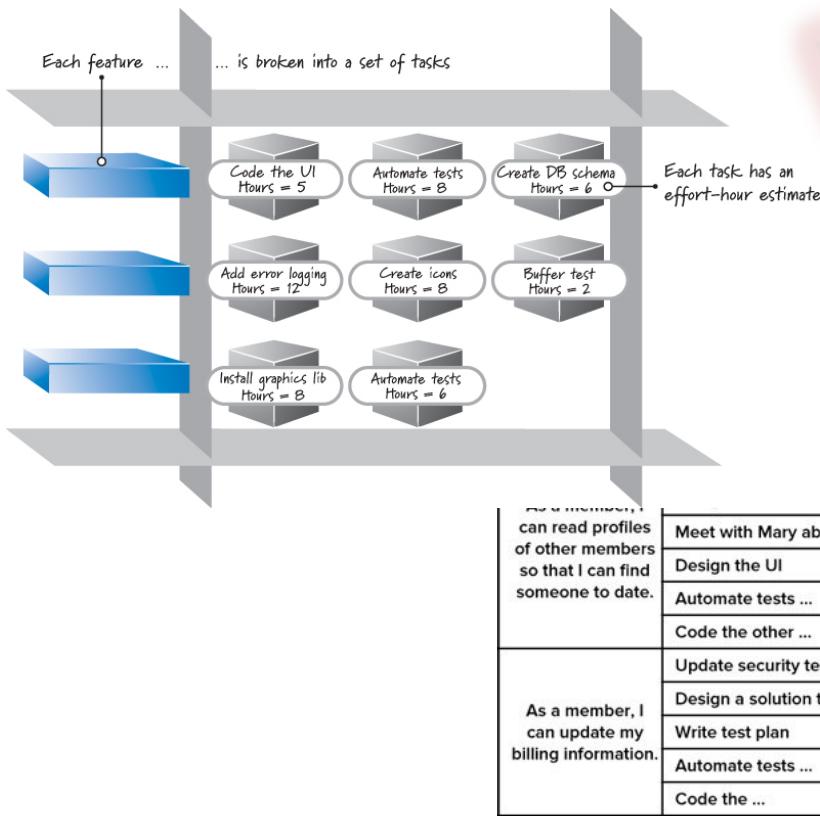
- Define Sprint goals
- **High-priority PBI**

- Break down each in **tasks**
- **Sprint Backlog**

2. Sprint Backlog

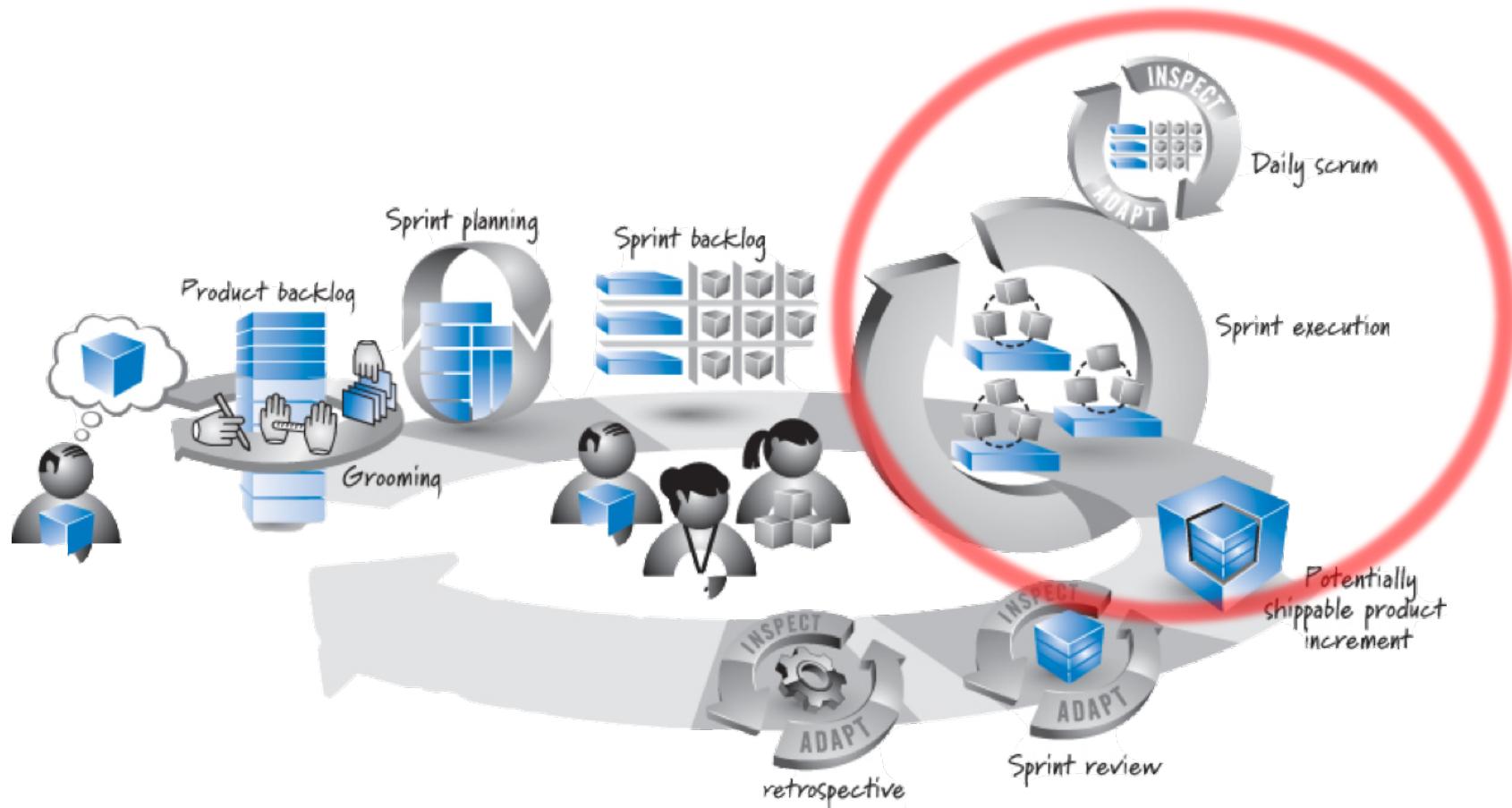


2. Sprint Backlog



	Day 1	Day 2	Day 3	Day 4	Day 5	...
Meet with Mary about ...	8	16	16	11		
Design the UI	12	6	0	0		
Automate tests ...	4	4	1	0		
Code the other ...	8	8	8	8		
Update security tests	6	6	4	0		
Design a solution to ...	12	6	0	0		
Write test plan	8	8	4	0		
Automate tests ...	12	12	10	6		
Code the ...	8	8	8	4		

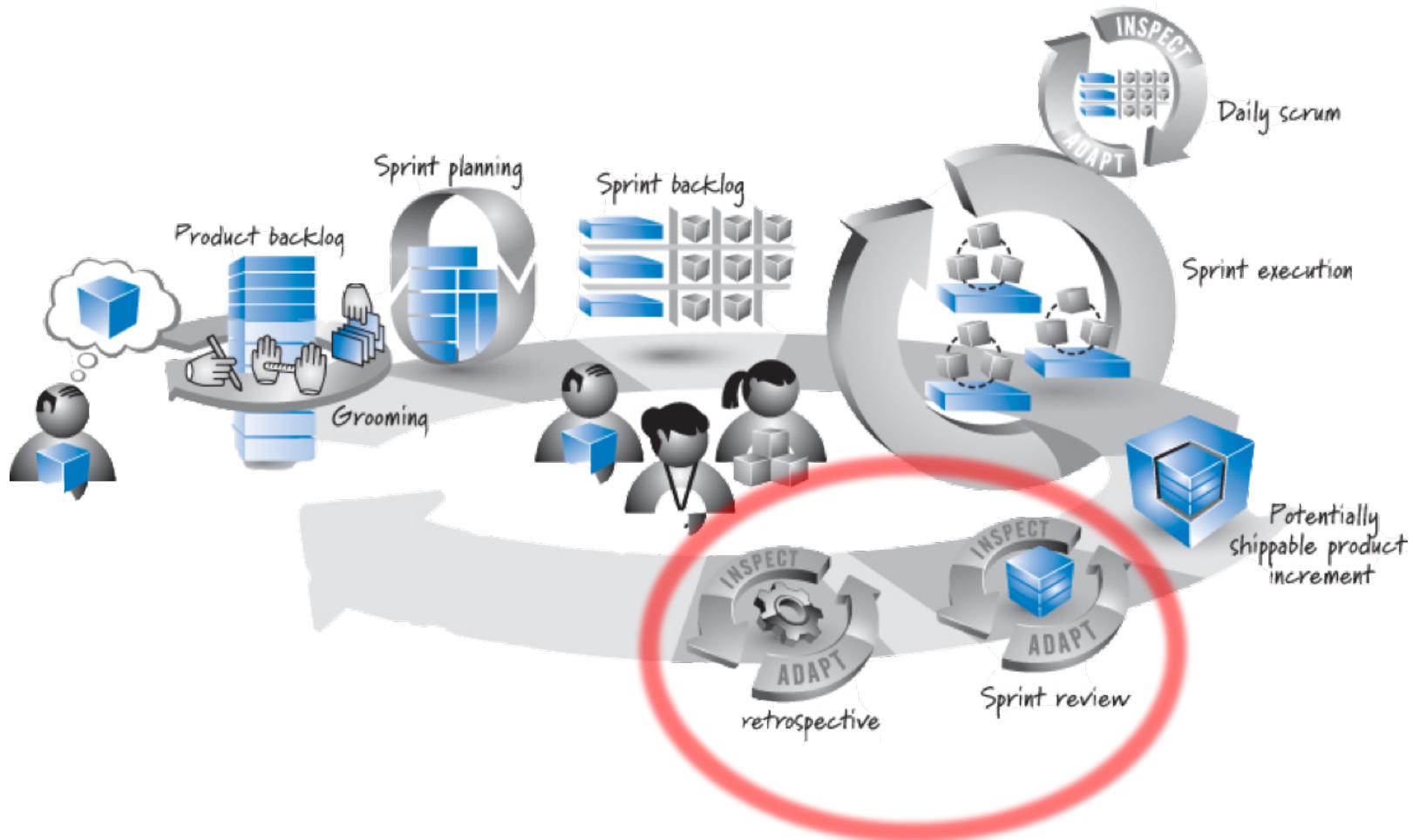
3. Sprint Execution



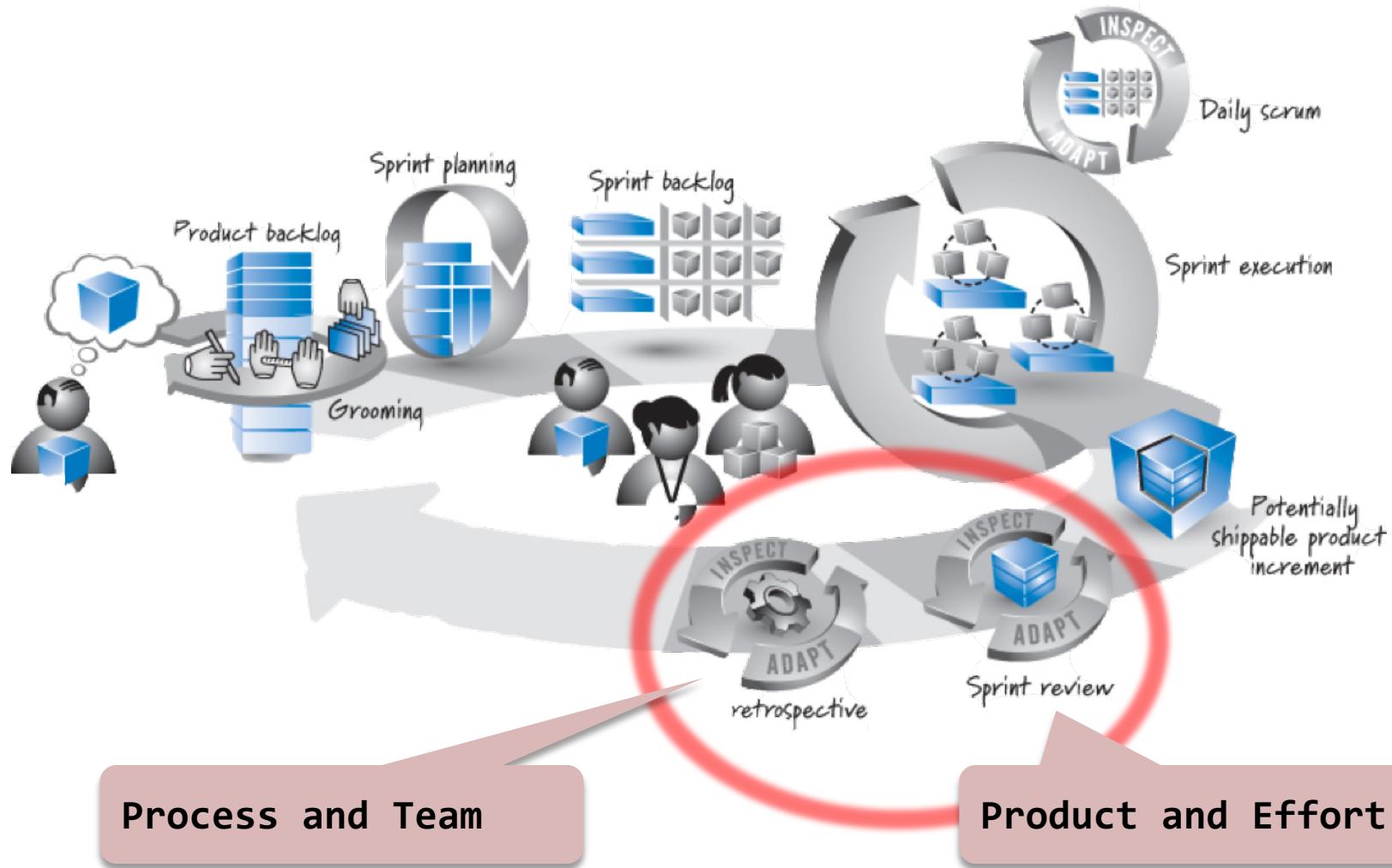
3. Sprint Execution

- Nobody tells the development team in what order or how to do the **task-level work** in the Sprint backlog.
- **Self-organize**
- **Daily Scrum** (15 minutes) or daily stand-up
 1. What I did?
 2. What I **plan** to do?
 3. What are the obstacles preventing me from making progress?

4. Sprint Evaluation



4. Sprint Evaluation



9

Project

Int("please select exactly one object")

-- OPERATOR CLASSES -----

types.Operator):
 X mirror to the selected object
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Project 3

Planning

- Put your product backlog in **1** sprint (**1-week** sprint)
- Report your **Sprint backlog**
- Report your **Tasks per item and how was responsible**

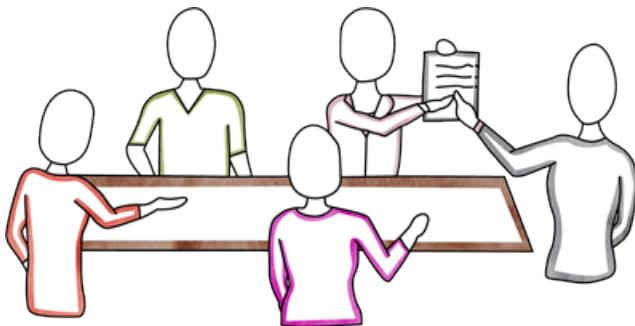
Execution

- Submit your Code (GitHub)
- Report your **Burndown Chart**

Evaluation

- Write a paragraph or two about your **Sprint Review** findings.
- Write a paragraph or two about your **Sprint Retrospective** findings.

Submit



Reference

- Essential Scrum – Chapter 4.

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    mirror_mod = modifier_obj
    mirror_mod.mirror_object = mirror_object
    if operation == "MIRROR_X":
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        mirror_mod.use_x = False
        mirror_mod.use_y = False
        mirror_mod.use_z = True
```

```
selection at the end -add
```

```
    ob.select= 1
    mirror_ob.select=1
    bpy.context.scene.objects.active = mirror_ob
    ("Selected" + str(modifier_index))
```

SER516 – Software Agility

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OPERATOR Spring 2020

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