

What is Scrum?

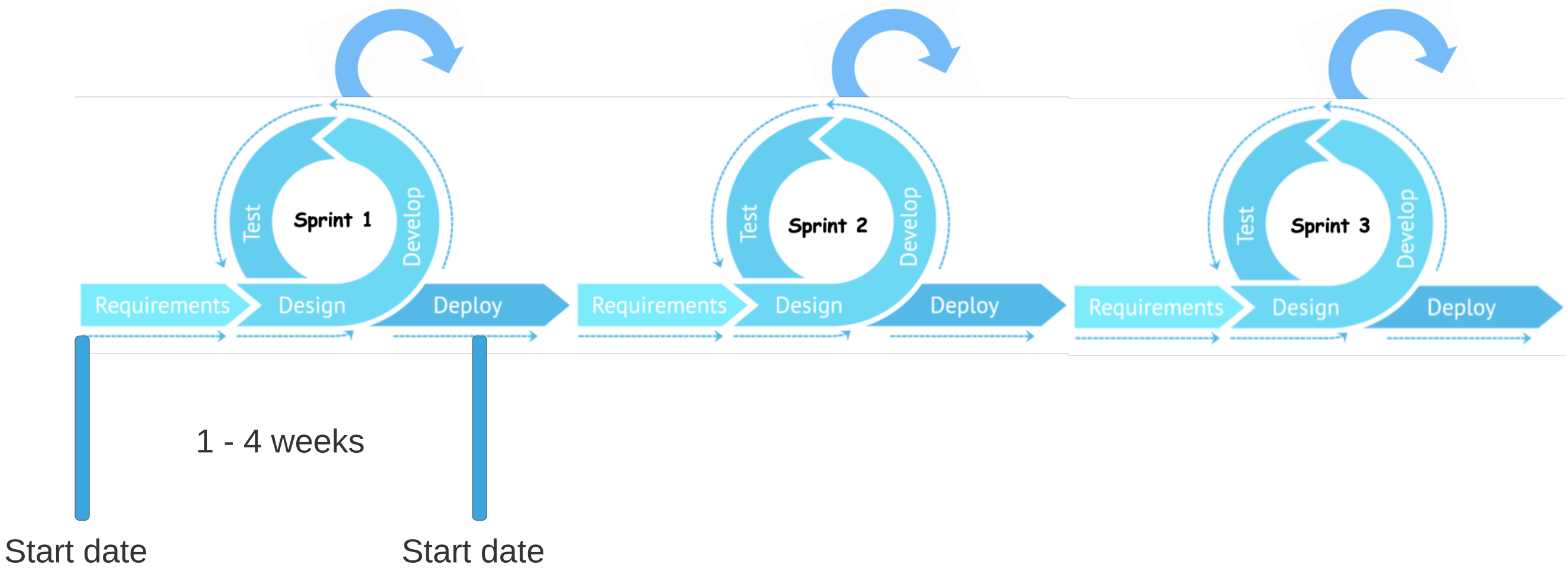
- Scrum is **the most used** Agile framework
- What puts Scrum aside from other Agile frameworks are: **roles, events(meetings)and artifacts(tool)**
- Scrum encourages the **team work together, learn through experiences, self-organize** while working on a problem, and **reflect** on their wins and losses to continuously improve.
- All kinds of team can implement Scrum
- Scrum team creates and adapts their own ways of working
- With Scrum, a project is built in a series, fixed-length iterations, called **Sprint**.

Companies using Agile Scrum



What is Sprint?

- A cyclic development process
- Sprint is a fixed **time-box** , 1 sprint cycle is 1 - 4 weeks
- A team has to **finish** developing potentially shippable, properly tested product during a Sprint, and **demonstrate** the result to the client/stakeholders **to get feedback**.
- Sprints can be no longer than a month / 4 weeks, and **preferably** a week or **two**
- The **starting and ending date is set** and **can not be changed**
- Sprints consist of **Grooming**, Sprint **Planning**, **Daily stand ups**, Sprint **Demo**, and Sprint **Retrospective** meetings.
- Each **new Sprint starts immediately** after the conclusion of the previous one.
- Sprint cycle is decided by the Scrum team -> PO, S,. Dev team decide all together.



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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 Sprint 33	4	5
6	7	8	9	10	11	12
13	14	15	16 Demo	17 Sprint 34	18	19
20	21	22	23	24	25	26
27	28	29	30 Demo			

Scrum 3 roles -> PO , SM , Dev-team

User Story

- User story is a short descriptions of a feature told from the perspective of the user or customer
- The smallest unit of work in Scrum
- A user story's purpose is to show how a unit of work will deliver specific value back to the customer

Typical template for a user story:  
**As a < type of user >, I want < some goal > so that < some reason >**  
E.g:  
As a restaurant manager, I want to add new menu so that I can update the menu with new foods.  
  
As a chef, I want to review the Online order so I can prepare the food on time.

Product Owner (PO)

- Only one PO per product, even with multiple teams
- Represents the **voice of the customer**
- Determines the release date and contents
- Defines the requirements and prioritizes them
- Takes an active role in Sprint planning and Sprint demo meetings
- Writes **User stories** and **Acceptance Criteria** & manages them in **Product Backlog**

Scrum Master (SM)

- SM Is a **facilitator** (someone who makes progress easier, who helps a team understand their common activities)
- Helps team members to follow Scrum practices in a productive way
- Removes obstacles / impediments / blocks / problems
- Shields the team from external interference / disturbances
- SM is mater of all the Scrum meetings
- Ensures the team has a good relationship between each other

Development team (Dev-team)

- Dev team ideally consists of 5-9 people
- Dev team completes tasks and assignments to develop & test the project
- They should be self-organizing and self-managing team
- Typically, an agile team comprises of 3 to 4 developers, 1 tester, 1 technical lead, 1 product owner and 1 scrum master.
- Cross responsibility - Delivering value

