**Scrum Ceremonies:**

1. Product Backlog Refinement: A popular next generation scrum ceremony for refining content of backlog items.

Topics covered:

Estimation of selected stories

Detailed requirement analysis

Estimation of new items

Re-estimation of existing items

1. Sprint Planning: Sprint planning starts sprint by laying the tasks to be done for the sprint.

Tasks:

Selecting items from product backlog and plan to deliver them.

Scrum team refines these items.

1. Daily Scrum: This is a 15-minute meet to inspect progress toward sprint goals.

Outcomes of daily scrum:

Adaption of sprint backlog

Action plan for next day

Identify impediments and improve self-management.

1. Sprint Review: Sprint Review has purpose to inspect outcome of sprint and determine future adaptions.

Tasks:

Scrum-team presents results of their work to key stakeholders and discus progress towards goal.

Attendees collaborate what to do next

Product backlog can also be adjusted to meet new opportunities.

1. Sprint Retrospective: Sprint Retrospective is to plan ways to increase quality and effectiveness.

Main discussions:

What went well and what could be improved

What should be done to improve in next sprint

Identify improvements to commit to next sprint

**Scrum Roles:**

1. Scrum Master: Scrum master is facilitator of scrum and is accountable for scrum-team.

Responsibilities:

Planning and advising scrum implementation.

Coaching team in cross-functionality, stakeholder collaboration

Finding techniques for delivering product goals

1. Product Owner: Product owner is a role in product development team responsible for defining user stories and creating product backlog.

Purpose:

Primary point of contact on behalf of customer

Complete ownership in defining user requirements

Communicate with development team to explain features to be implemented.

1. Development team: The team responsible for building the actual product increment to meet the sprint goal.

Team of people for solving stories and product goals, responsible for designing and developing the desired featured product.

**Yoga Booking System:**

*Development team:*

*Leader:* Organize the team and supervise the design to meet product (yoga system) requirements.

*Team:*

Member-1: Data collection and outline, design

Member-2: Design User Interface for booking and display the schedules.

Member-3: Work on database to list out appointments availability, already booked and filled slots.

Member-4: Work on back-end stories for linking database to user interface, on back-end to display schedule availability according to user booking query.

Member-5: Testing the designed code for user requirements and various cases.

Presenting MVP and check the feedback

Agile cycle repeats

Tasks 1, 2 should be definitely done in week-1, while the other three can be started

along with first two.

Parallel tasks: Testing can be done in parallel to designing UI and developing back-end to spot error and problems in given time, collecting data can be done in parallel with matching data delivered from backend