

## **Scrum process in “Home Building”**

1. **Product Backlog:** A comprehensive list of all house features, from foundation to landscaping, is created. This backlog is prioritized by the homeowner (Product Owner).
2. **Sprints:** Construction is divided into short, time-boxed periods (e.g., two weeks). During each sprint, a specific set of features from the backlog is completed.
3. **Daily Scrum:** A daily meeting is held to discuss progress, challenges, and plans for the day. This could involve the entire construction team.
4. **Sprint Review:** At the end of each sprint, the homeowner inspects the completed work and provides feedback. Adjustments can be made to the product backlog based on this feedback.
5. **Sprint Retrospective:** The construction team reflects on the sprint, identifying what worked well and what could be improved.

## **Characteristics of Scrum in “Home Building”**

1. **Iterative and Incremental:** The house is built in small, functional increments.
2. **Flexibility:** Changes to the plan can be incorporated more easily compared to waterfall.
3. **Customer Focus:** The homeowner is actively involved in the process.
4. **Continuous Improvement:** The construction team learns and adapts throughout the project.

## **Advantages of Scrum in “Home Building”**

1. **Increased Flexibility:** Changes can be made more easily as the project progresses.
2. **Improved Customer Satisfaction:** The homeowner is involved in the process and can see progress regularly.
3. **Faster Time to Market:** Smaller, focused iterations can lead to quicker completion of key features.
4. **Risk Mitigation:** Issues can be identified and addressed early in the process.

## **Disadvantages of Scrum in “Home Building”**

1. Potential for Scope Creep: The iterative nature might lead to additional features being added, increasing costs and time.
2. Coordination Challenges: Managing multiple subcontractors and tradespeople within short sprints can be complex.
3. Weather Dependency: External factors like weather can disrupt sprint planning.
4. Cultural Shift: Adopting a Scrum mindset within the construction industry might require significant cultural change.