**Introduction:**

The Sprint Review and Retrospective are critical ceremonies in the Scrum framework that contribute to the continuous improvement of the development process. The Sprint Review focuses on showcasing the completed work, while the Retrospective reflects on the team's performance and identifies areas for enhancement.

**Roles Contribution:**

**In the SNHU Travel project, each role played a crucial part in its success:**

1. **Product Owner (Christy):**
   * ***Contribution:*** Christy, as the Product Owner, collaborated closely with stakeholders and the team. She ensured that the product backlog prioritization aligned with business goals. For example, when the focus shifted to detox/wellness travel, Christy effectively communicated this change, demonstrating adaptability.
2. **Scrum Master (Ron):**
   * ***Contribution****:* Ron facilitated Scrum events and ensured the team adhered to Scrum principles. During interruptions and changes, Ron helped maintain focus and encouraged open communication. In retrospectives, he facilitated discussions to identify process improvements.
3. **Developer (Nicky):**
   * ***Contribution:*** Nicky, as a developer, implemented user stories, embracing the agile approach. For instance, when customizing top destinations, Nicky actively participated in refining requirements during sprint planning, promoting collaboration.
4. **Tester (Brian):**
   * ***Contribution:*** Brian's testing efforts were integral to the quality of the product. During the Sprint Review, Brian showcased the tested features, providing valuable input. In retrospectives, he highlighted areas for improvement in the testing process.

**Scrum-agile Approach and User Stories:**

**The Scrum-agile approach facilitated the completion of user stories:**

1. **Click to View Top Destinations:**
   * ***Scrum Contribution:*** Daily stand-ups ensured everyone was aware of the progress, and the iterative nature of sprints allowed for continuous adjustments based on feedback.
2. **Customize Top Destinations List:**
   * ***Scrum Contribution:*** Sprint Reviews provided a platform to showcase incremental updates, incorporating feedback promptly. The prioritization of user stories allowed for a focused development approach.
3. **Set Price Limit for Destinations:**
   * ***Scrum Contribution:*** Sprint planning sessions helped in estimating the effort required for each user story, ensuring realistic goals for the team.

**Handling Interruptions and Changes:**

The Scrum-agile approach supported project completion amid interruptions:

1. ***Interruption:* Shift in Focus to Detox/Wellness Travel**
   * ***Scrum Contribution:*** The adaptive nature of Scrum allowed for reprioritization without compromising the project's timeline. Sprint Reviews facilitated discussions on adapting to the new focus.

**Effective Communication:**

Effective communication was crucial in encouraging collaboration:

1. ***Sample Communication:***
   * Regular updates in Daily Stand-ups, Slack messages for quick queries, and detailed Sprint Reviews were examples of effective communication.
   * The use of clear language in user stories and acceptance criteria minimized misunderstandings.

Organizational Tools and Scrum-agile Principles:

1. ***Organizational Tools:*** JIRA was instrumental in backlog management, sprint planning, and real-time collaboration.
2. ***Scrum-agile Principles:*** The principles of transparency, inspection, and adaptation were evident in the regular Scrum events.

**Assessment of Scrum-agile Approach:**

1. ***Pros:***
   * Iterative Development: Incremental releases allowed for continuous improvement.
   * Adaptability: The ability to respond to changing requirements ensured product relevance.
   * Collaboration: Regular interactions fostered collaboration and shared ownership.
2. ***Cons:***
   * Learning Curve: Team members unfamiliar with agile practices experienced a learning curve initially.
   * Time-Consuming: The emphasis on collaboration sometimes extended decision-making processes.
3. ***Best Approach:***
   * The Scrum-agile approach was highly effective for the SNHU Travel project, especially considering its adaptability to changing industry trends and client preferences.

**References**

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Sutherland J, Sutherland JJ. Scrum: the art of doing twice the work in half the time. Currency; 2014 Sep 30.