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Sprint Review and Retrospective: SNHU Travel project.

Each member of the Scrum-agile team was essential to the project's success.

**Product Owner:**

The product owner defined and prioritized user stories based on commercial value. They ensured the team focused on delivering features that aligned with project objectives. For example, the product owner collaborated with stakeholders to improve user stories for booking hotels and flights to meet user requirements.

**Scrum Master:**

The Scrum Master ensured effective communication, removed barriers, and enforced adherence to Scrum practices. I organized daily stand-up meetings to maintain unity and resolve conflicts. During setbacks, I supported the team in adapting to changing circumstances and played a critical role in driving the project forward.

**Development Team:**

The Development Team worked seamlessly together to craft and thoroughly test the features. The back-end developer expertly integrated the payment gateway, while the front-end developer skillfully designed the user interface for the booking process. Every single user story was accomplished with great success.

**Scrum-agile approach to SDLC:**

The iterative and incremental nature of the Scrum-agile approach played a crucial role in successfully fulfilling user stories.

**Refinement of the Product Backlog:**

Explanation:

In this phase, the team worked together to optimize and evaluate user stories, which involved determining the exact timeframe needed to create a user-friendly seamless flight search function.

**Sprint Planning:**

Explanation:

The team selected priority user stories for each sprint. One sprint focused on adding a hotel booking feature.

**Sprint Execution:**

The Development Team collaborated closely, utilizing frequent stand-up meetings to keep each other apprised and address any concerns. This approach fosters adaptability and expeditious decision-making.

**Sprint Review:**

At the conclusion of each sprint, the team assertively exhibited completed user stories to stakeholders. A notable example was the display of the flight booking feature during a sprint review, which was met with forceful suggestions for enhancements.

Scrum-agile approach in interrupted and changed direction:

For the SNHU Travel project, we utilized the Scrum-agile methodology to effectively handle delays and adjustments.

**Flexibility:**

The Scrum-agile methodology allows us to adjust sprint goals and backlog based on external circumstances like changes in market trends.

**Adaptive Planning:**

The team reviewed priorities in sprint planning and adjusted when necessary. For example, they quickly modified the integration strategy after a crucial API provider changed its terms without delaying the project.

**Effective communication and collaboration:**

Efficient communication and cooperation are essential prerequisites for the successful completion of the project.

Sample communication:

The Product Owner and Development Team collaborated extensively in the sprint planning phase, ensuring that all user story requirements were thoroughly defined, with clear and accurate details to avoid misunderstandings or mistakes.

**Encouraging collaboration:**

Stakeholders consistently made valuable suggestions during sprint reviews that significantly enhanced the user experience for faster booking.

Organizational tools and Scrum-agile principles:

Success was achieved by the team through the utilization of a multitude of organizational tools and the integration of Scrum-agile concepts including :

**Sprint Backlog:**

This tool is crucial in promoting accountability and openness within the Development Team as it visualizes the necessary tasks for each user narrative. Its utilization is necessary for the team to meet its goals and ensure that everyone is on the same page.

**Daily Stand-Up sessions:**

During daily meetings, team members must communicate, identify problems, and collaborate actively to ensure progress and success. Failure to do so could result in delays and setbacks that could have been avoided with proper communication and teamwork. It is essential that everyone participates fully and contributes their expertise to the discussions.

**Scrum Events:**

The Scrum framework includes scheduled events like daily stand-ups, sprint reviews, and sprint planning to facilitate communication and progress evaluation.6. Assessing the Scrum-agile approach:

**Pros:**

The Scrum-agile methodology empowers teams to iterate quickly, receive prompt feedback, and adapt with ease. It fosters cooperative and agreeable interactions among all team stakeholders.

**Cons:**

Instances that require strict documentation and extensive planning are not suitable for the agile approach because of its lack of emphasis on upfront preparation.

The best method for the SNHU travel project is:

The iterative structure of the Scrum-agile technique proved to be an ideal solution for the SNHU Travel project. This framework enabled the team to continually improve and respond to changes in user needs and market dynamics, resulting in a successful outcome.

The SNHU Travel project exemplifies the power of the Scrum-agile methodology in cultivating collaboration, adaptation, and incremental improvement. Its unmatched flexibility and responsiveness to change make it the perfect fit for projects with continuously evolving requirements and ongoing stakeholder participation.