**Sprint Review and Retrospective: SNHU Travel Application**  
**Date:** 10/19/2025  
**Team:** ChadaTech - SNHU Travel Development Team  
**Scrum Master:** Wei Lin

**Executive Summary**

This report highlights the outcomes and key takeaways from our final sprint developing the SNHU Travel application. As ChadaTech’s pilot project for adopting the Scrum-Agile methodology, the initiative offered valuable insight into how this approach improves development efficiency, team collaboration, and project results. Overall, we saw measurable gains in adaptability, stakeholder engagement, and delivery consistency.

**Team Role Contributions**

Clearly defined Scrum roles played a critical role in our success, each adding unique value to the process.

**Product Owner**

As Product Owner, my focus was keeping the team aligned with SNHU Travel’s business goals. When faced with competing priorities, such as adding social sharing features versus strengthening the booking engine, we prioritized the booking functionality to deliver essential business value first. This decision helped prevent scope creep and kept us focused on core deliverables.

**Development Team**

Our cross-functional team collaborated seamlessly. During the flight search implementation, developers naturally split tasks across API integration, interface design, and testing without the need for formal management direction. This self-organization strengthened accountability and led to more innovative, resilient solutions.

**Scrum Master**

In the Scrum Master role, I centered on keeping the process healthy and clearing obstacles. When unclear requirements arose around error-handling protocols, I coordinated a quick clarification meeting between developers and stakeholders. That 30-minute discussion eliminated confusion and saved potential days of rework, keeping the sprint on schedule.

**User Story Completion Through Agile Framework**

The iterative nature of Scrum allowed us to deliver fully completed user stories consistently. By breaking features into small, testable increments, we maintained a steady, predictable delivery flow.

A great example was the price-based hotel filter feature. Within one sprint, we completed the design, back-end logic, and testing, reaching a true “Done” state by sprint’s end. This steady rhythm of completion improved visibility, built stakeholder trust, and demonstrated working software at every review.

**Adapting to Changing Requirements**

Agile’s flexibility proved invaluable when requirements shifted mid-project. When SNHU Travel identified a new opportunity for “last-minute deal” alerts, we integrated the idea smoothly without disrupting progress.

Instead of filing formal change requests or adjusting long-term timelines (as in Waterfall), we simply added the request to the product backlog. During the next sprint planning, we reviewed its priority, swapped it with a lower-priority task, and delivered the feature within weeks. This responsiveness kept us aligned with market needs while maintaining momentum.

**Communication Effectiveness**

Agile’s structured yet informal communication made collaboration fast and effective. Daily stand-ups gave everyone visibility into progress and challenges.

One typical update summed it up perfectly:

“Completed payment gateway integration yesterday; starting transaction processing today. Blocked by unclear test card documentation, can anyone familiar with the provider help?”

This format encouraged openness, collaboration, and immediate problem-solving, keeping the team engaged and productive.

**Organizational Tools and Principles**

Our digital Kanban board was central to workflow visibility. It clearly showed task progress and helped identify bottlenecks early using cumulative flow metrics.

We tied the board directly to Scrum ceremonies:

* **Sprint Planning:** to confirm commitments and priorities
* **Daily Stand-ups:** to focus on movement across columns
* **Sprint Reviews:** to demonstrate everything in the “Done” column
* **Retrospectives:** to analyze metrics and refine the process

This visual structure created a workflow that was both disciplined and adaptable.

**Agile Methodology Assessment**

**Key Advantages:**

* **Adaptability:** Handled evolving requirements with minimal disruption
* **Early Value Delivery:** Delivered working software after the first sprint
* **Transparency:** Frequent demos and visible workflows kept stakeholders engaged
* **Team Engagement:** Self-organization boosted motivation and accountability

**Challenges:**

* **Scope Management:** Required careful prioritization to avoid backlog overload
* **Forecasting:** Long-term estimates remained imprecise despite strong short-term predictability
* **Cultural Adjustment:** The team needed time to fully adapt to new rhythms and expectations

**Conclusion and Recommendation**

The Scrum-Agile approach proved exceptionally effective for the SNHU Travel project. Its iterative design, adaptability, and focus on collaboration aligned perfectly with our project’s evolving requirements and fast-moving goals. We achieved quicker delivery, stronger stakeholder trust, and reduced risk from changing conditions.

**Recommendation:**  
Based on these outcomes, we strongly recommend expanding the Scrum-Agile framework across ChadaTech’s development teams. The demonstrated gains in flexibility, engagement, and delivery consistency show that this shift would strengthen our competitive edge and position us for sustained success in custom software development.