Module 8-2 Sprint Review and Retrospective

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**Sprint Review**

**Sprint Goal:**

The goal of this Sprint was to implement new features for the SNHU Travel project while also adjusting to the Agile methodology from the old Waterfall methodology. This involved delivering User Stories, adapting to new and evolving client needs, and adjusting new features based on their feedback.

**What was Planned:**

1. Break the project down into User Stories that are well defined for incremental development
2. Implement a new feature focusing on Top Vacation Destinations
3. Mid-Sprint, we adapted to the clients more focused need on Health and Wellness Destinations
4. Test each part as User Stories are completed to continue refining the final product
5. Facilitate Scrum Events ((Sprint Planning, Daily Stand-Ups, Sprint Review, and Retrospective)

**What was Completed:**

* Successfully completed the Health and Wellness Destination feature after pivoting mid sprint
* Broke project down into manageable tasks, including:
  + Getting client input
  + Creating the filter algorithm for destinations based on clients feedback (Price, type, length of stay)
  + Ensured interface was user-friendly
* Tested each task before moving onto the next User Story
* Conducted Daily Stand-Ups to ensure team was working efficiently and collaboratively

**Demo/Highlights:**

* Product was delivered **on time** and met all the clients needs, even after the pivot
* The user-friendly interface and filtering portions were adaptable and improved useability
* Testing at each step allowed for less major errors and quicker fixes, leading to increased product quality

**Challenges:**

* There was a learning curve to adjusting to Agile from Waterfall. Implementing Scrum Events and updating user stories could have been more efficient
* Addressing the unexpected pivot mid-sprint when the client updated how they wanted the new feature to operate

**Stakeholder Feedback:**

The client was very satisfied with the efficiency of the team, even when items changed. They appreciated the constant feedback and the client first approach

**Sprint Retrospective**

**What went well:**

1. **Adaptability**

* When the client asked to make the destinations focus on Health and Wellness, we were able to smoothly transition our User Stories and tasks thanks to Agile’s principles

1. **Collaboration and Communication:**

* Implementation of Daily Stand-Ups and use of the Task boards (JIRA) allowed the team to communicate effectively and efficiently. Keeping visibility high across the whole team
* Pair Programming let team members utilize their strengths, making each task able to be completed in timely manners with minimal errors

1. **Continuous Testing**

* Testing each task allowed the team to mitigate major errors that could have set the project back and ensured the product that was delivered was polished

**What did not go well**

* When first transitioning to Agile, we had some minor delays as the team adapted to the Scrum Processes
* Some of the User Stories required to be re-evaluated and explained more in depth, which led to some confusion as the team adjusted

**What could be improved**

1. **Better User-Story definitions**
   * We could collaborate more closely with the Product Owner to get more refined details and more in depth acceptance criteria to avoid confusion later on
2. **More efficient Time Management with Scrum Events**
   * We need to ensure that our Daily Stand-Ups need to remain a strict 15 minutes to avoid unnecessary tangents
3. **Better Documentation**
   * We should make sure we update our documentation at each increment to avoid any unnecessary confusion later on when moving between User Stories

**Action Items for future Sprints**

* Clearer process for handling mid-sprint pivots due to more client feedback
* Stronger initial Sprint Planning with the team to map out any potential roadblocks and creating stronger User Stories
* Ensure we use retrospective insights effectively to keep our future workflows more steamline, thus, also reducing the learning curve for the Agile processes

**Final Reflection**

The team was able to utilize the strengths of the Agile practices to complete the project on time and demonstrate their benefits. Adaptability, iterative testing, and collaboration were all key practices that made this project a success. Waterfall would have been too rigid to pivot in the middle of development to the new parameters of the client. Agile allowed us to make this adjustment with minimal delay and we could become even more efficient with the knowledge and experience of completing a project under Agile. I would absolutely recommend Agile for our future projects.