Our team at ChadaTech found the trip from a typical waterfall development paradigm to the more dynamic Scrum-agile technique to be both hard and illuminating. This changeover was more than just a change in technique, given the company's historical dependence on the waterfall model; it indicated a fundamental shift in our team's view and approach toward software development.

The creation of an application for SNHU Travel, our pilot project, provided the ideal backdrop against which to showcase our Scrum-agile learnings. The goal was very clear: SNHU vacation needed a powerful tool to assist them increase their clientele while giving them a fresh method to research vacation options.

Every team member played several responsibilities throughout this project, as is typical of a Scrum-agile methodology. The demands of SNHU Travel were consistently put first in our decisions thanks to Tony Frog's clear goals and advice as the product owner. Our Scrum Master, Mohanad Osman (Me), supported team member communication, ensuring that obstacles were promptly removed and that the team stayed concentrated on the sprint goals. The Development Team, which was made up of AJ, Masey, and Greg, contributed their own talents and viewpoints to make sure the program was reliable, user-friendly, and satisfied the standards set out by our Product Owner.

The "Top Five Destination List" was one of our application's most notable features. This medium-sized user narrative, which had the highest priority, was very important. The concept was straightforward yet effective: let the customer click a link to see the top five vacation spots.

Users always have access to the most popular vacation destinations since the list was carefully chosen based on popularity rather than just being a random collection of locations. Each location had a wide range of information that improved the user experience, such as a brief description, photos, and even connections to the most popular travel deals.

Our agile journey was not without its challenges. Midway through our sprints, we encountered a need to pivot our strategies. Some user stories, like the "Cruise Enthusiast" feature, required a deeper understanding of the user's needs. It wasn't just about displaying cruise options, but providing users with a system where they could sign up for notifications of cruise discounts tailored to their preferences and even change their profile settings to reflect their evolving interests. The agile approach's flexibility allowed us to accommodate these changes without derailing our progress, a significant advantage over the more rigid waterfall model.

Another crucial component of our progress was the budget. Recognizing that many travelers are price-sensitive, we integrated features that allowed users to set a price cap, view affordable locations, and even get tailored bargain recommendations based on their profile. Ensuring that these features were both functional and user-friendly was a testament to our team's commitment to delivering value to SNHU Travel's customers.

Our project's success was greatly influenced by our communication tactics. By constantly exchanging emails, we made sure that everyone was on the same page. A snippet from one of our email exchanges reads, "Dear Team, Based on the feedback from the last sprint review, let's

prioritize integrating user feedback for the cruise recommendations to enhance accuracy. Regards, Mohanad." Such communications ensured clarity and kept the team on track.

Reflecting on our experience, the Scrum-agile methodology provided a number of benefits. Sprints were iterative, thus feedback was continual, allowing for prompt improvements. Daily stand-up meetings fostered transparency, while sprint reviews and retrospectives ensured that we were always learning and improving.

However, like any methodology, it wasn't without its challenges. Team members accustomed to the waterfall model initially showed resistance to change. There were also moments of uncertainty as team members grappled with their roles in this new framework.

In conclusion, the flexible nature of the Scrum-agile methodology proved ideal for the project's changing requirements. Although the change was a learning process, the superior quality of the final output and the improved team cohesion made it all worthwhile. As ChadaTech looks towards the future, this pilot serves as a beacon, highlighting the potential benefits of embracing a Scrum-agile approach across the organization.