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**Final Project**

Sprint Review and Retrospective

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**CS250 SDLC**

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As a Chada Tech Scrum, a company that specializes in custom software design and development for both domestic and international clients. This Sprint review and retrospective summarizes and analyzes the work performed for our client SNHU Travel. Drawing conclusions from our output quality, velocity and communication strategies will enable us to better understand the needs of our customers because no one performs at an exceptional level without self-reflection of our evolving business methodologies. The inherent challenges and limitations posed by the waterfall development method have already served its purpose to us at Chada Tech. But the need for an adaptive and collaborative, customer-centric methodology has prompted us to reevaluate our approach. The SNHU Travel client required us to make a website from scratch and this was achieved by interviewing users of the current website. Following these user stories, it allowed us to create the Product Backlog which the product owner is responsible for, but the development team fulfills. The testers make sure that our features are aligned with the Product Owner and backlog to ensure that the product is finished on time. An example of a user story is, “The user is on the homepage and wants to find the best deal or popular location to satisfy their curiosity of a wonderful place.” This user story was then turned into code by having a link that satisfies the most popular locations sorted by price. The code was written and then a slideshow was created as well as a test case where the testers had inputs and they ensured that the expected results were in line with the products delivered. This creates high quality software that is exactly what is needed for our client to succeed.

Transitioning our entire team from waterfall to agile enabled us to deliver consistently and provide the ability for the client to change requirements so that they could excel in providing new tools for their clients based upon the market sector needs and wants. Strengthening client relationships is our number one priority to ensure continued success in the industry. The scrum-agile framework consists of a Product Owner, Scrum Master, and a Development Team. The product owner steers the direction of priorities while communicating with various stakeholders at Chada Tech. Responsible for the project and the features or items included within a two-week sprint to deliver a travel website for SNHU Travel. The scrum master facilitates the events held within a scrum process, acting as a servant leader, removing blockers/impediments, coaching the team, and promoting a healthy work environment.

The development team is responsible for the work submitted to a deliverable that incrementally drives the completion of the project forward. This team can include designers, testers, and other specialists. They deliver work by collaborating closely with one another. By self-organizing and continually improving their processes. By exploring the downsides of waterfall, including its inflexible framework, restricted client engagement, and vulnerability to scope expansion, we can gain a deeper understanding of the advantages and obstacles linked with adopting Agile methodologies. This critical juncture offers us a chance to not just improve our products but also nurture a united and vibrant corporate atmosphere. By conducting thorough analysis and making incremental adjustments, our objective is to lay the groundwork for a more adaptable, receptive, and prosperous future at Chada Tech. The development team accomplished this by creating a Basic ListView Control in Java. This consisted of creating and applying computer logic to a list of requirements that were gathered from analyzing the user stories to accomplish the need presented to us from the Product Owners information.

Communicating with my team was crucial to developing the application because we had a variety of requirements and deliverables to accommodate. An example of this communication is through emails.

To: Christy

Subject: User story design/integration

Dear Christy,

I have a few concerns and questions about how to deliver this project successfully. We have wonderful user stories that help us determine what our travel site needs to do but focusing on this before implementing the wireframe of the project where this will be is detrimental to the success of the project. If we can't incorporate the specific functions, we are not performing at our best. This inefficiency can be overcome by understanding how the design would like our shareholders. If this is too soon in the project's timeline to worry about. I will deliver my best effort and look forward to receiving any feedback I can to improve.

Thank you so much.

Best regards,

Andres.

The tools within an agile-scrum method were valuable in eliminating time wasters and helped me to stay on task to deliver a product full of value to the company. SNHU Travel received tested deliverables and received the care and support of the Product Owner and Scrum master. These two roles were pivotal in making sure the culture of the job was respectful and collaborative. Being able to have a Product Backlog where the team can accomplish the task to provide the client with a working, finished product allowed us to continue making progress. The progress after work was listed on the backlog was to determine what is to be achieved. Where does the development team stop working on features to accomplish the goal. These acceptance criterions align with the quality team and testers responsibilities. These organizational tools and scrum-agile principles were paramount to accomplishing the SNHU Travel site. Through making a list of top five user destinations. To create the GUI, buttons and slideshows that demonstrated the developments team’s hard work and focus. To also generate value for Chada Tech, ensuring that they stay ahead of the curve in supplying great code to the future development projects.

The cons of the scrum-agile process are made apparent in my email to the product owner as a developer because sometimes we must push forward at work while not having all the information/resources at hand. The product owner is responsible for many things, such as managing the product backlog and the rest of the product. This entails that they may be the focal point or sole distributor of information for the product to succeed at one time. This is good because only one person can lead the team effectively towards success but ultimately may leave some people without enough information. I used placeholders and my own text and creativity to fill in where more expertise was needed but sometimes this will not always work for the deliverable. Waiting for a reply through email is a time waster in my opinion. But that doesn’t mean we can’t have a resource where I can find pictures for all the data needed from SNHU Travel. This put the design on my shoulders, and it wasn’t mentioned in the product backlog. Things like this could create bottlenecks and software scope creep in the future. I have no doubt in mind that having a small design team to email instead of the product owner could have made this task on the backlog much easier and less stressful.

In summary, our transition from traditional waterfall practices to Agile methodologies epitomizes our unwavering commitment to evolution and client satisfaction at Chada Tech. Embracing Agile principles has empowered us to swiftly adapt to shifting requirements, deepen collaboration with our clients, and deliver premium software solutions tailored to their dynamic needs. As we embark on this transformative journey, our resolve to cultivate a culture of innovation, agility, and excellence remains unshakeable. Together, we navigate challenges, seize growth opportunities, and pave a brighter path forward at Chada Tech.

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