



Ideas and Concepts Discussed in the Lectures

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Community (UN SD goal): ACADEMICS / ENGINEERS / PROFESSIONALS INTERESTED IN SDG's
PARTNERSHIPS FOR THE GOALS -> TO SUPPORT 16 OTHER SDG's

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| Digital Habitat / Community of Practice | This was the “focus” of the EngiConnect project - everything designed keeping the community of practice in mind; and attempting to create the “perfect” digital habitat; its similar to the previous course I took where you must always keep your “North Star” customer in mind when developing various features and tools in your application. |
| Gamification | The idea of gamification was integrated into my project in two main places. The first one being likes and dislikes; its a form of “score” this is used to encourage users to post higher quality content to get a better “score”. The second method this was integrated was with the use of credential verification; this can be seen as a user “badge” that they can show others. |
| Metadata / Data | Metadata is an important aspect of the knowledge management within each post, especially without replies a user wouldn't be able to identify the author, and searching for a specific reply or post would be more difficult. For EngiConnect, a platform meant for partnerships, meta data is important in discerning one individual's content from others - it would also be impossible to understand the data collect such as which SDGs have the most “interest” without it - SDG tags being data about the post data (data about data). |
| Knowledge Management | All applications in the world are mostly just “glorified knowledge management systems” for example, Amazon is a knowledge manager for sales and products, OneShot Golf (where I work) is a knowledge manger of robots and user information, and most government IT teams are knowledge managers of operational information. All in all, EngiConnect is knowledge management of user interactions regarding various SDGs therefore I incorporated many knowledge management principles such as “single source of truth” and “Knowledge is share” which means that the points of knowledge is sharing is - EngiConnect allows for almost all information (discluding personal data) to be retrievable via public API. |
| Plan, Do, Study, Act | PDSA is a continuous improvement cycle that was used in guiding the development of EngiConnect. It involves planning changes, implementing them, studying the results, and acting based on insights. This iterative process ensures features evolve based on real-world usage and community feedback; this was most importantly used during the improvement of the user experience by adjusting various buttons, scrolls, and screen dimensions. |
| Progressive Learning | Progressive learning in EngiConnect involves a continuous and adaptive approach to knowledge acquisition. This allows for users to learn from others in a continuous; yet self-guided manner that encourages discussions - this is the way it was designed to align with the more modern method of progressive learning. |
| Bazaar | Adopting a bazaar approach, EngiConnect creates a collaborative space where users actively shape the platform. This includes user-generated content, open discussions, and participatory decision-making. Embracing the principles of the bazaar leverages the collective intelligence of the community (engineers, academics, and professionals), fostering a dynamic digital habitat for SDG solution development discussions. |