Drafting an emerging picture

Name:	Archisha Bhattacharya
Community & UN SDG(s):	**Individual participation/Serving a context community:** Members of residences in Canada who wish to track and manage their household energy consumption to adopt sustainable practices. Goal(s) 7 and 11
Date:	October 20, 2023

Instructions:
Using your researched information fill out the flowing comparing the current state of the art with what you think new (software) innovations could bring to the community

Covering the orientations	
Compare the left-hand column of the document "Technology configuration inventory" table with the right-hand column of the document "Community characteristics & orientation" table. What do you notice about the match (or mismatch) between your dominant community orientations and the current configuration of tools?	
How well does the technology inventory cover the orientations? What themes emerged from both the community orientations and the technology configuration from your colleagues' notes	The existing technology inventory reveals a scattered landscape where users have to navigate multiple systems or applications to fulfill varied community orientations. While online forums excel in content sharing and fostering relationships, Smart Home Applications offer individualized energy insights, and Online Energy Consumption Calculators provide specific, one-time metrics. E-commerce platforms align with sustainable product discovery. This fragmentation means users lack a centralized, integrated platform that holistically addresses their needs, resulting in potential inefficiencies and missed opportunities for a more cohesive community experience.
☐ Are you almost there? ☒ Are there big gaps?	There are significant gaps. While the existing technology covers several community orientations, the lack of integration results in users navigating multiple disjointed platforms. This fragmentation presents inefficiencies and hinders a seamless community experience. An integrated platform would be instrumental in addressing these gaps, offering users a comprehensive solution.
What is the range of skills? If their interests and/or skills are diverse, could it cause conflict or distraction?	The range of skills within the community is diverse, spanning from novices seeking basic information to experts sharing advanced insights. While this diversity enriches the knowledge pool, it could lead to potential conflicts or distractions, especially if expectations aren't managed. Differences in understanding or approach might result in debates, and the diverse skill set might divert the community from its core focus at times. Proper moderation and clear guidelines are essential to harness this diversity positively.
Achieving integration	
Look at all the pieces of your configuration	
What level of integration and interoperability has been achieved?	The current level of integration and interoperability is fragmented. The technology inventory reveals that while there are various tools and platforms available that cater to different community orientations, they operate in isolation. Users have to navigate multiple systems or applications to achieve their goals. There isn't a unified platform that integrates all these functionalities, leading to potential

	inefficiencies and user inconveniences. Achieving a higher level of integration and interoperability would streamline user experience and potentially foster stronger community engagement and cohesion.
Where are there big gaps	The primary gaps exist in the integration of various technologies into a unified platform. While there are tools available for individual tasks such as energy consumption calculation, community interactions, and product browsing, there isn't a consolidated system where users can access all these features seamlessly. As a result, users need to navigate multiple platforms to fulfill their requirements. This scattered approach can lead to a fragmented user experience, potential loss of data consistency, and increased complexity in managing and understanding various tools. Integrating these tools under one comprehensive platform would address these gaps and enhance the overall user experience.

Balancing the polarities (Current state)

How is the configuration balanced with respect to each polarity?

Synchronous …Synchronous tools?	<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Asynchronous** …Asynchronous tools?
Participation >>>>>>> …Participation tools?	<<<<<<<<<<<<<<<<<<<<<<<<< **Reification** …Reification tools?
Group >>>> …Group tools?	<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Individual** …Individual tools?

How well does this balance fit your community?	

Solution seeking

In the new configuration, do you want your choice of tools to affect the polarities of your community in ways that differ from the current configuration? Which way?

Synchronous …New synchronous tools?	<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Asynchronous** …New asynchronous tools?
Participation >>>>>>>>>>>>>>> …New participation tools?	<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Reification** …New reification tools?
Group >>>>>>>>>>>>>>>>>>>> …New group tools?	<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Individual** …New individual tools?

MVP notes

1. Develop an integrated platform where users input their appliance inventory to calculate and monitor energy consumption seamlessly.

2. Offer a dynamic dashboard showcasing real-time energy consumption patterns, trends, and predictive analytics.
3. Generate personalized, actionable recommendations for users to optimize energy usage and enhance sustainable practices.
4. Incorporate a community forum to foster knowledge exchange, encourage discussions on energy conservation, and promote best sustainability practices.