I can make a like a sims like game that like the player tracks like 4 needs, hunger, socialization, bathroom, and sleep WITH the addition of my time buffer

Find out fbx import stuff

Player Needs Management:

- Each player character (agent) can have a set of variables representing their needs (hunger, socialization, bathroom, sleep).
- The time buffer can be used to simulate the passage of time in the game world, affecting these needs. For example, hunger increases over time, and if not addressed, it might lead to negative consequences.

Environment Interaction:

- The environment can have interactive objects (like food items, beds, social areas, bathrooms) that agents can interact with to fulfill their needs.
- The state and availability of these objects can also change over time, influenced by the time buffer (e.g., food items might spoil after a certain period).

Dynamic Color Changes and Animations:

- Utilize the time buffer to change the colors or animations of objects in the environment based on time or player interactions. For instance, as food spoils, its color could change.
- Animations can also be time-dependent. For instance, lights in a room could automatically turn off at "night time" in the simulation.

State Changes Based on Time:

- Implement state transitions for both players and the environment. For example, a player might get increasingly tired and need to sleep, reflected in their animations or abilities.
- Environment states like day/night cycles or weather changes can also be managed using the time buffer.

Implementation in Madrona Escape Room Context

- Adapting Existing Systems: Use the existing systems in Madrona for physics and rendering, and extend them to include the simulation of player needs and time-dependent environmental changes.
- **Custom Components and Systems:** Define new ECS components for player needs and time-dependent environmental features. Then, create systems that update these components based on time and player actions.

- **Python Integration for Policy Learning:** The existing Python integration can be used to model and learn policies that not only focus on navigation and interaction but also on managing player needs effectively. purr.
- **Visualization and Training:** The visualization tools in Madrona can be adapted to show the dynamic changes due to the time buffer, and the training scripts can be modified to include strategies for need management.