

## **Prompt**

1. **Integrate Existing Components** – Since the abstract model with core elements is established, incorporate existing, commercially available components that can be used in the system.
2. **Optimize Seating for Comfort** – Modify the chair type to prioritize comfort, aligning with the initial assumption that “the seats need to be comfortable.”
3. **Justify Component Selection** – For each selected component, explain why it was chosen and how it enhances the functionality, safety, or user experience of the system.
4. **Upgrade Battery for Higher Capacity** – Change the battery type to improve capacity and efficiency. Use high-capacity battery examples to support the decision.