Introduction to reliable data architectures – Collaborate activity brief

Scenario:

NextGen Fitness is a company that provides personalised fitness tracking and coaching services through a mobile app and wearable devices.

The system collects data from the wearable devices, stores it in a database, and uses machine learning algorithms to provide personalised coaching advice to users.

The system also allows users to connect with personal trainers for additional guidance and support.

Instructions:

1. Create a basic flowchart or architecture diagram for the NextGen Fitness system
2. Include the following actors:

- Users (fitness enthusiasts)
- Personal trainers
- Wearable devices
- Mobile app
- Machine learning algorithms

3. Include the following containers:

- User interface
- Data storage
- Data processing
- Personalised coaching module
- Personal trainer communication module

4. Show the flow of data and interactions between the actors and containers

5. Use any of the diagramming tools discussed in the webinar (e.g., LucidChart, Microsoft Visio, Dia, Draw.io)

BPP

Be prepared to share your diagram and discuss your design choices with the group.