**How Cross-Temi Communication Works:**

1. **Setting up the devices:**  
   To enable cross-communication between two Temi devices, several steps need to be followed. First, ensure that you have two Temi devices. One must be a version 3 Temi, which will act as the server and lead the tour. The other device, typically used in trial runs during development, will be a version 2 Temi. Make sure both devices have Bluetooth enabled and that their respective applications are running.
2. **Preparing the devices:**  
   Once set up, the version 2 Temi should be stationed at its home base. While it might appear idle, it is actively searching for a connection to the server device. The version 2 will search for a device named “NYP\_BOA,” which is associated with the version 3 Temi used.
3. **Tour initiation and conversation trigger:**  
   The version 3 Temi will lead the tour. Upon reaching the final part of the tour, it will check whether the conversation between the version 2 and version 3 should follow a scripted conversation or be semi-dynamically generated using ChatGPT. If the user has asked a question, this will trigger the use of ChatGPT; if no question is asked, the conversation will proceed without ChatGPT.
4. **Generating dialogue:**  
   If the conversation will use ChatGPT, the dialogue will be generated before a connection is established between the version 2 and version 3. Since the version 2 cannot interact directly with the ChatGPT API, it will rely on the version 3 Temi to interact with ChatGPT and generate the necessary dialogue for the interaction.
5. **Establishing connection:**  
   When ready, the version 3 Temi will open a server socket and begin broadcasting its presence. The version 2 will pick up this broadcast and attempt to establish a connection. If no connection is made, the version 3 will continue the tour as a fail-safe in case of poor connection.
6. **Flagging conversation state:**  
   In both conversation modes (scripted or ChatGPT-based), the version 3 will send a flag to the version 2 to indicate that a connection has been successfully established. This flag will also inform the version 2 about which type of conversation is taking place.
7. **Dialogue exchange:**  
   Once the connection is established, the two devices will alternate between waiting for a flag to indicate when to speak and sending a flag when it is their turn. This will continue until all lines of dialogue have been completed.
8. **Ending the interaction:**  
   Once the conversation is finished, both devices will proceed to their next state. For the version 3, this means saying goodbye to everyone, while the version 2 will return to its original position at the home base.