

## How to Make a Web App Chatbot Proactive

1. Use WebSockets to allow backend-to-frontend push messages.
2. Track logged-in users and store their WebSocket connections.
3. Trigger backend events on login, new products, discounts, and schedules.
4. Send proactive messages like:
  - "Welcome back! New discounts available."
  - "New product added."
  - "Daily recommendations."
5. Optional: Use GPT to auto-generate the message before sending.