**A Very Simple \_Human in the Loop\_ Email Response**

System Using AI and IMAP

What does this do?

* **Monitors Your Inbox:**  
  It automatically checks your email (via IMAP) for new messages, so you don’t have to constantly refresh your inbox.
* **Makes the Email Easier to Read:**  
  The system converts the email’s HTML content into Markdown, which helps the AI understand and process the email more effectively.
* **Summarizes the Email:**  
  An AI summarization chain reads through the email and creates a concise summary (in no more than 100 words) of its content. This helps capture the essential details quickly.
* **Drafts a Reply:**  
  Using the summarized content, an AI agent crafts a professional and concise reply. It follows a strict guideline—keeping the response brief (max 100 words) and business-like.
* **Human in the Loop:**  
  Before sending, the draft response is routed for human approval. A designated person can review the AI’s reply to ensure it’s accurate and appropriate.
* **Sends the Final Response:**  
  Once approved, the system sends the reply back to the original sender using SMTP, automatically setting the proper subject (with a “Re:” prefix) and sender/recipient details.