Pfizer Clinical Trial Chatbot

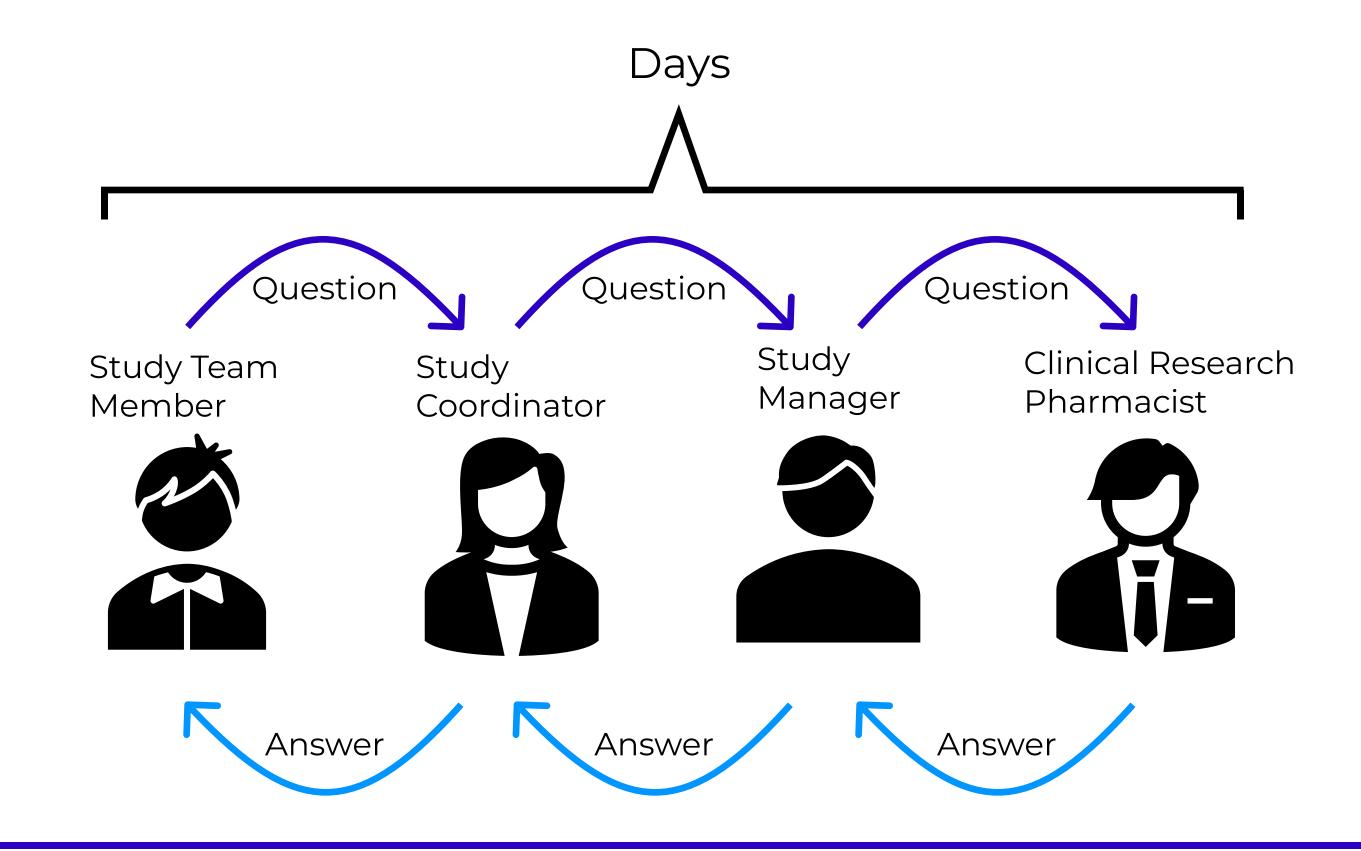


A tool that answers study teams' investigational product (IP) questions quickly thereby minimizing wait times for patients.

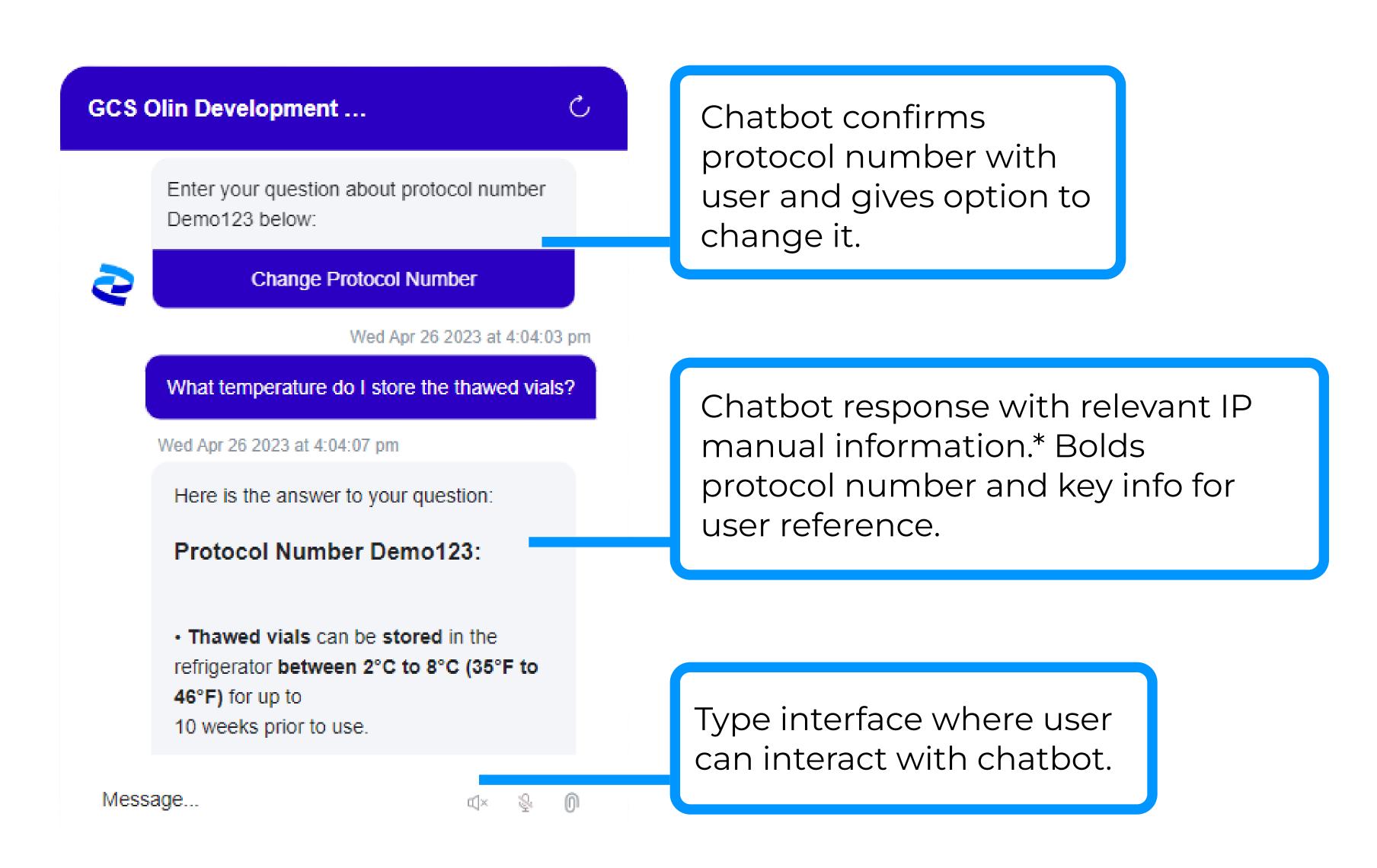


Problem & Research

In order to develop new medications, Pfizer conducts a multitude of clinical studies. If any study team member at the nearly **5,000 clinical trial sites** has a question about the administration of the new drug, they must **consult one of the only 15 clinical research pharmacists**. This is a serious bottleneck in the process, and one we were asked to improve.



Solution: Chatbot



Study team members use the chatbot to get answers about the administration of new medications during clinical trials.

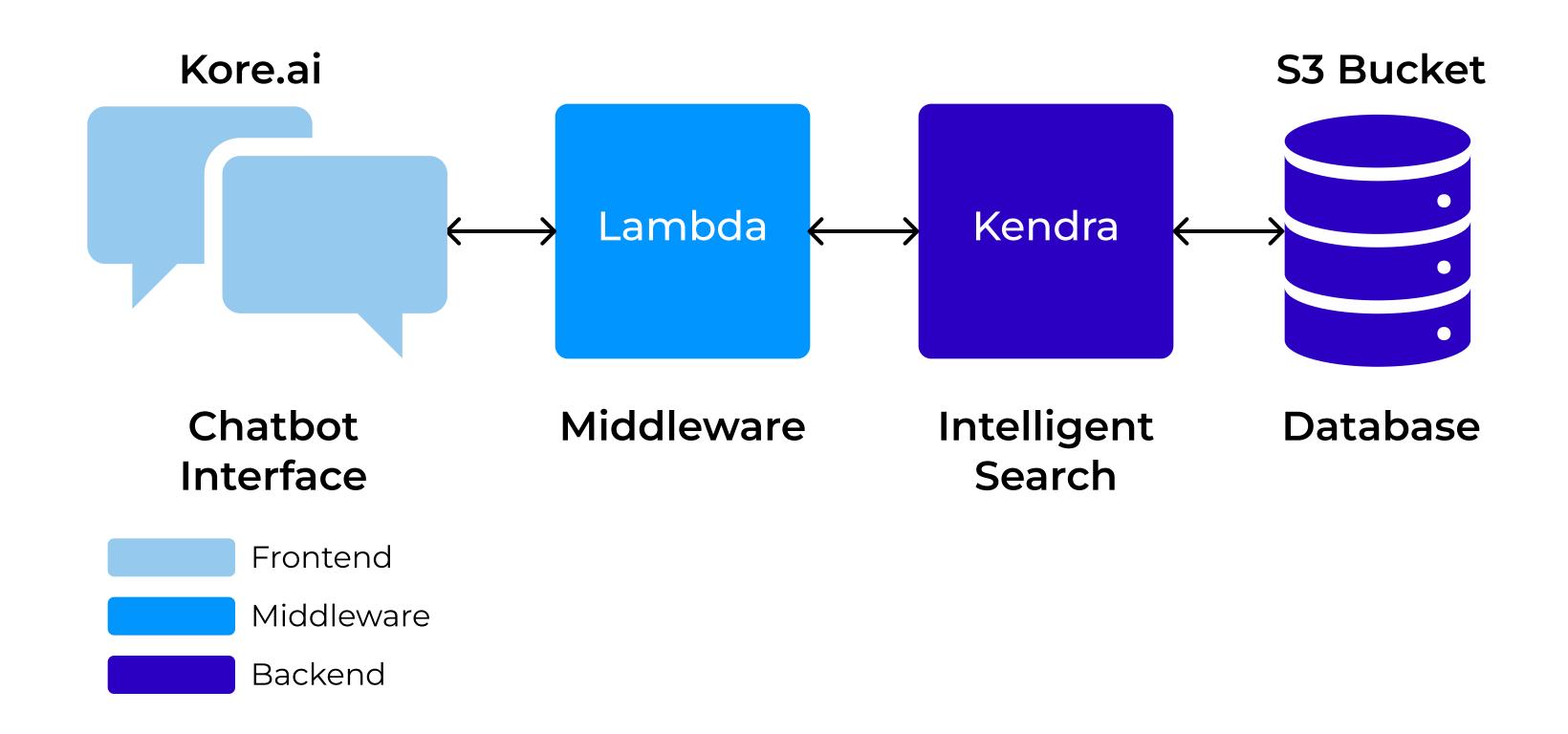
Quotes from Users

"The main benefit to using this is that I get an answer immediately."

"Any reduction in time would definitely be helpful."

* For demo purposes the document used in this image is the Pfizer-BioNTech COVID-19 Vaccine Fact Sheet for Healthcare Professionals which is publicly available on the FDA website.

System



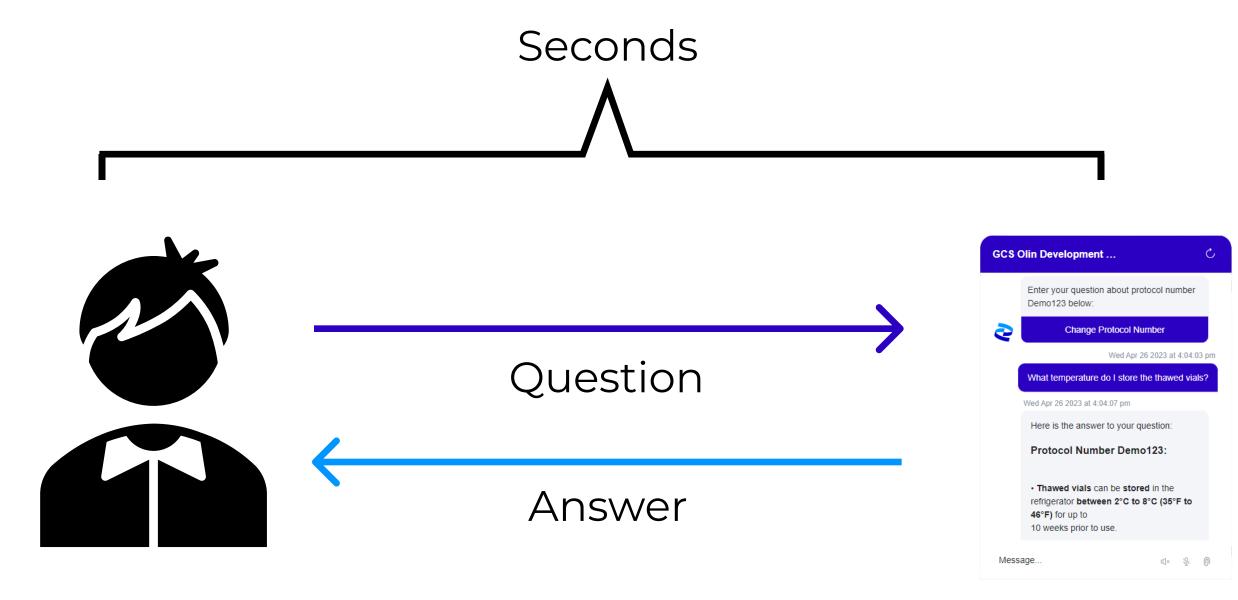
Our overall system architecture, shown to the left, is informed by four key criteria:

- · Safety tracking and reporting errors
- · Performance speed and precision
- · Maintainability technical overhead
- · Usability intuitive user interface

Outcomes

We created a chatbot to help save time for CRPs, study team members, and patients. **Pfizer is putting this bot into production for use by June 2023!**

Pfizer is looking to expand our system for increased access to dense information to other use cases within their ecosystem.



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