

Real-Time Assessment and Feedback for **Real-Time** Learning

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About Us



Okan Bulut

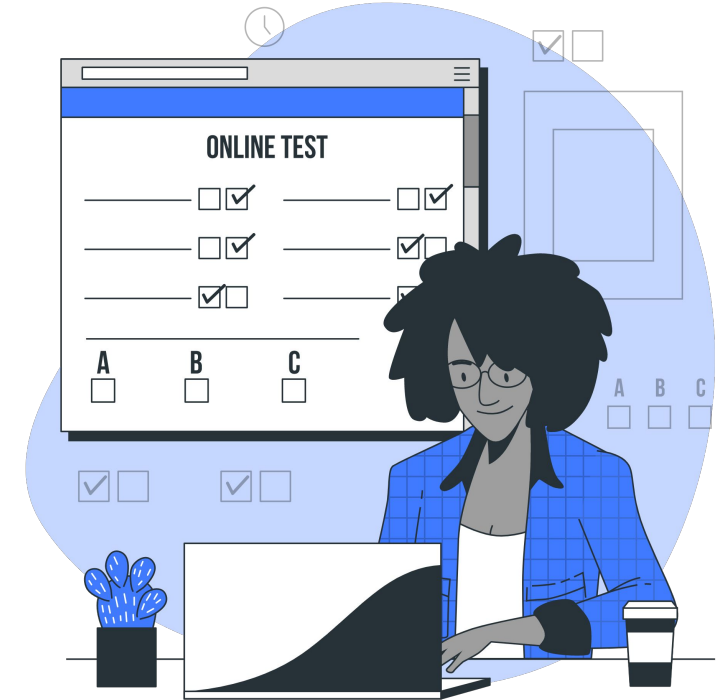
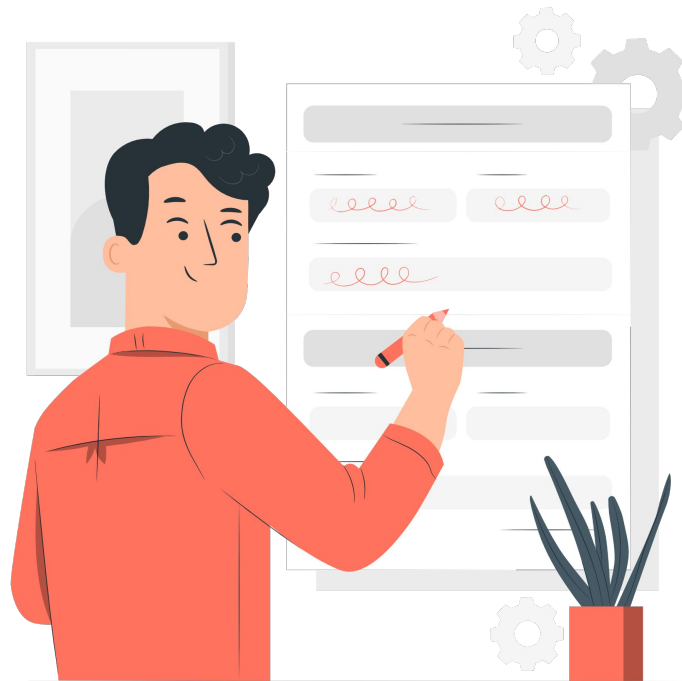
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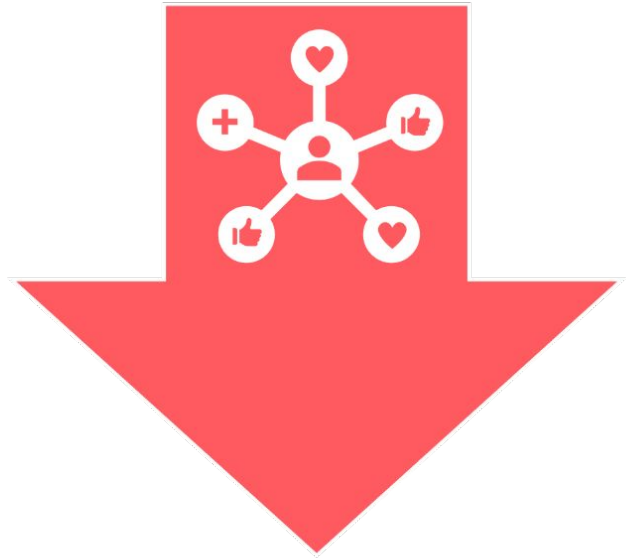
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Evolution of Assessments





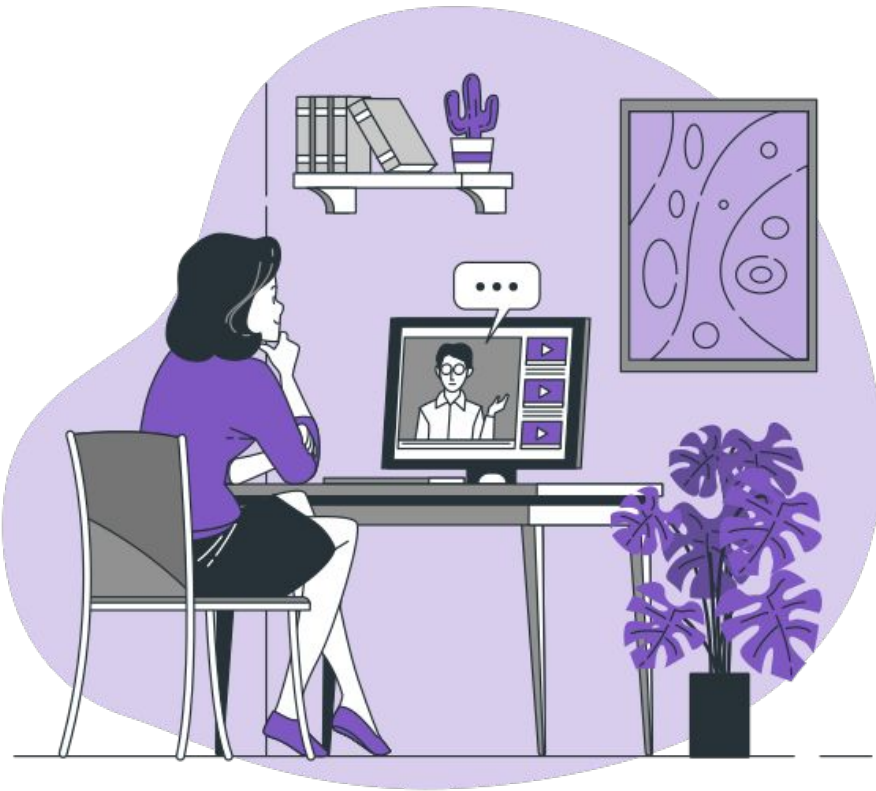
Interaction



Efficiency

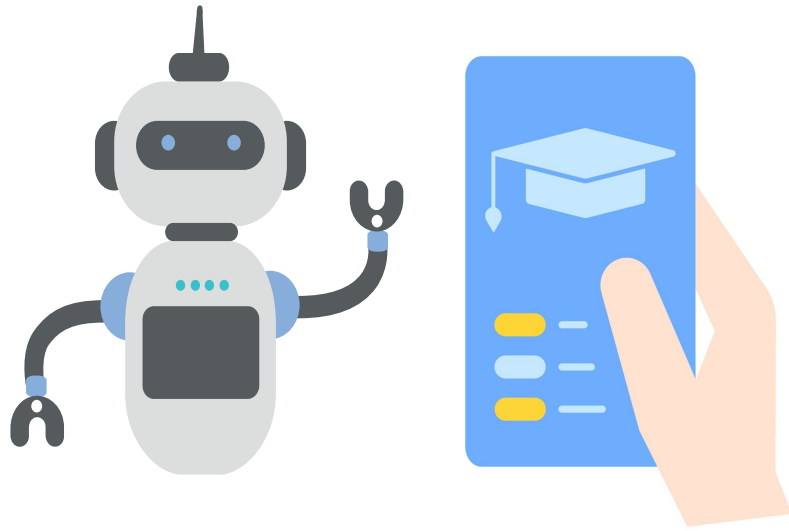


Learner-Instructor Interaction in Digital Assessments



- Online learning environments
- Intelligent tutoring systems
- Artificial intelligence-based assessments
 - Natural Language Processing (NLP)
 - Chatbots for interactive conversations

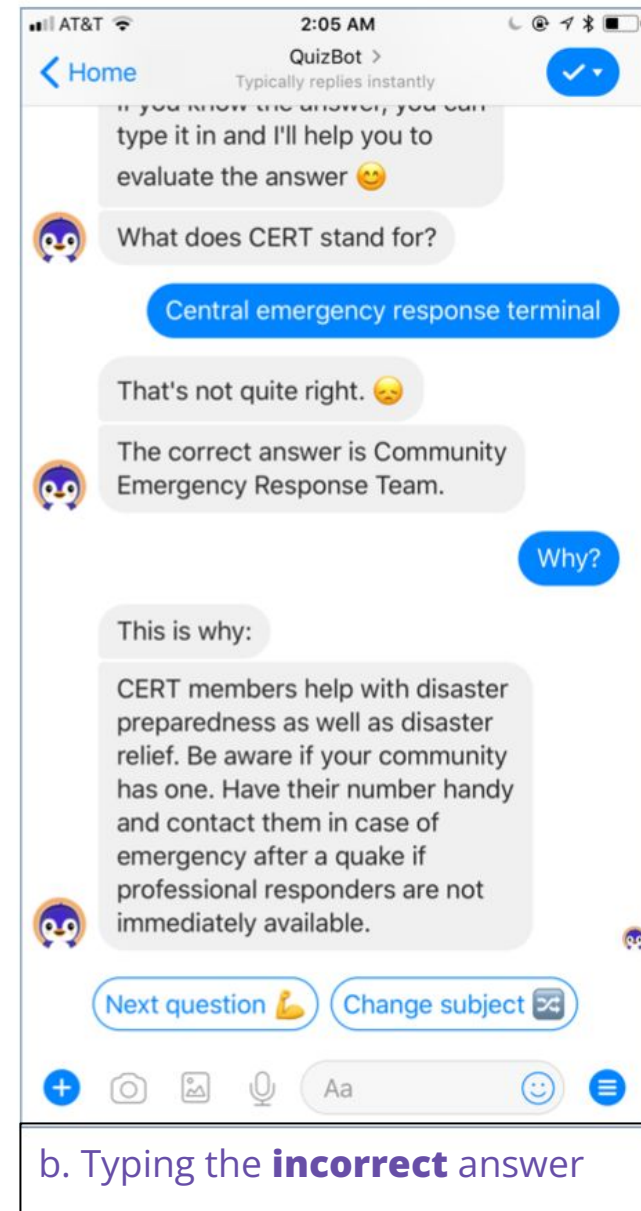
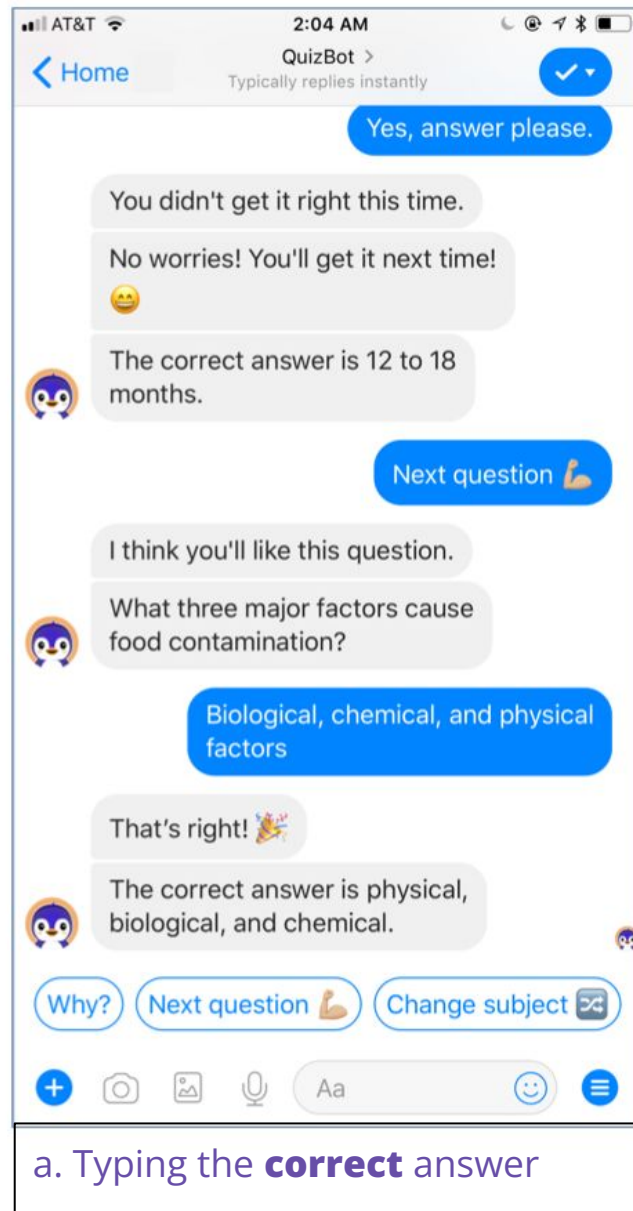
Conversation-Based Assessments



Setting up a conversation:

- A rule-based system (human-made rules)
- Using training data (e.g., Google's BERT, OpenAI's GPT2/GPT3, Facebook's RoBERTa)
- A hybrid conversation system

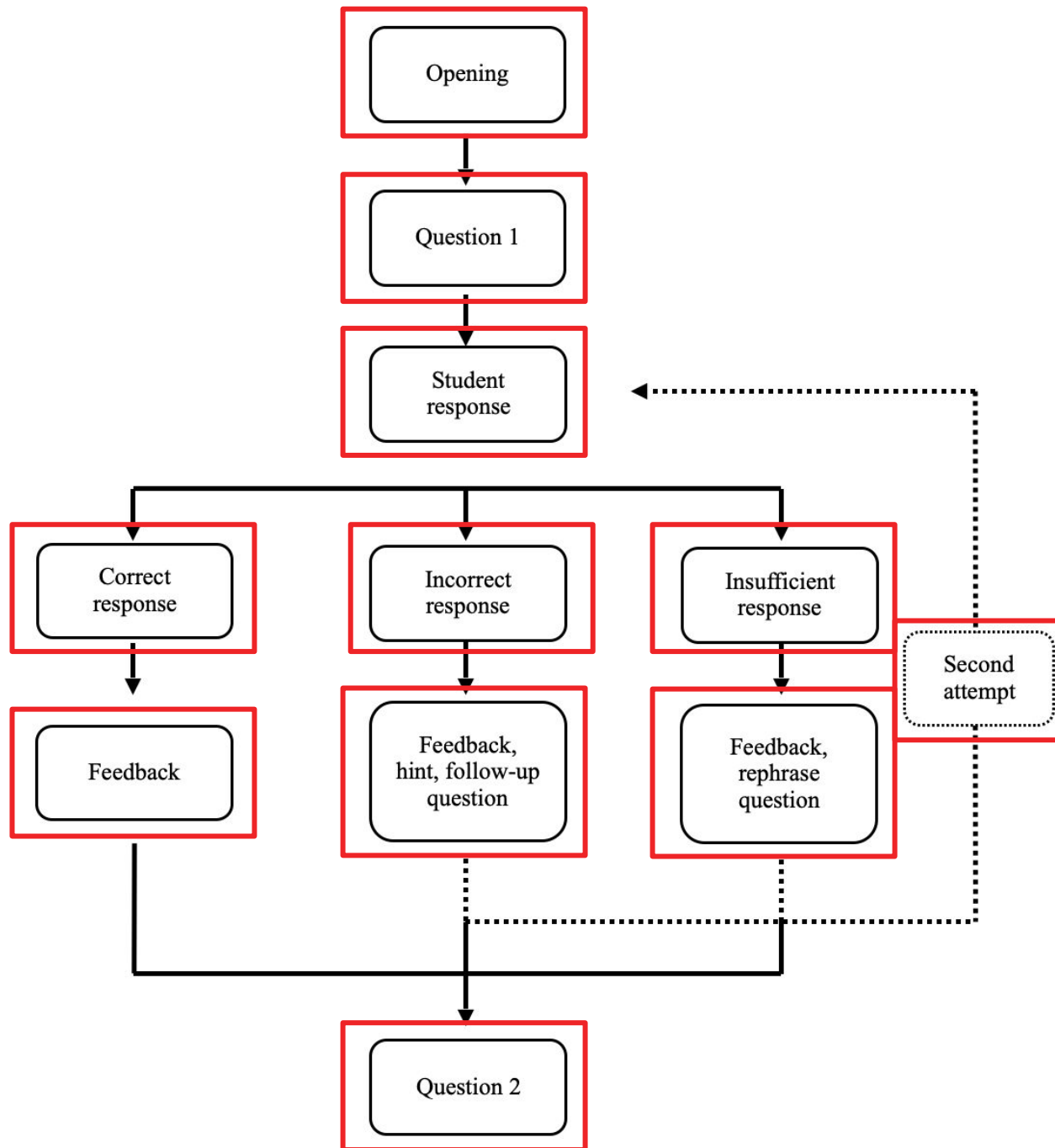
A conversation-based assessment example: Quizbot



(Some) Benefits:

- Interactive conversations
- Real-time assessment & feedback
- Personalized assessment experience
- Higher student motivation + engagement







Data



Training



Deployment



 **YOU TURNED HISTORY OFF**

Messages sent with history off are deleted after 24 hours

 **YOU TURNED HISTORY ON**

Messages sent with history on are saved

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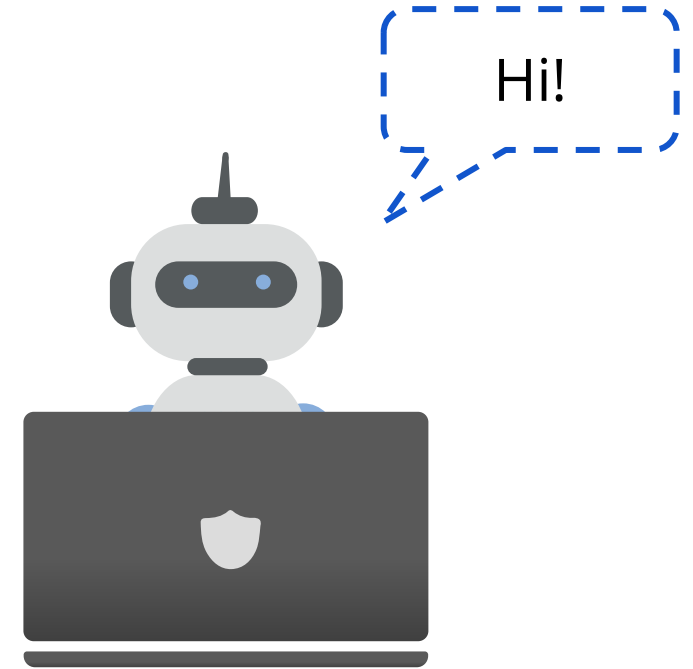
 **YOU TURNED HISTORY OFF**

Messages sent with history off are deleted after 24 hours

History is off

What the Future Holds:

- Teaching assistant chatbots
- Tutoring chatbots
- Academic counseling chatbots
- Foreign language chatbots
- FAQ chatbots



Thank you!



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