

CRUX Recruitment Chatbot – README

Project Overview

The CRUX Recruitment Chatbot is a rule-based, menu-driven chatbot developed in Python. It assists candidates in a simulated recruitment process by collecting personal details, verifying eligibility, validating qualifications, and allowing department selection.

Key Features

- Interactive menu-based chatbot interface
- Candidate name and age validation
- Eligibility check (minimum age requirement)
- Qualification verification using predefined codes
- Department viewing and selection
- Rule-based decision-making logic

Technology Used

Programming Language: Python

Type: Rule-based Chatbot

Interface: Command Line Interface (CLI)

How the Chatbot Works

1. The chatbot greets the user and displays a menu.
2. The candidate enters their name and age.
3. The chatbot checks age eligibility.
4. Qualification is verified using predefined qualification codes.
5. Available departments are displayed.
6. The candidate selects a department.
7. The chatbot confirms selections and exits safely.

Limitations

- This chatbot does not use Artificial Intelligence or NLP.
- User input must follow predefined options.
- No database or persistent storage is used.

Conclusion

The CRUX Recruitment Chatbot is a simple and effective example of a rule-based chatbot. It demonstrates how Python can be used to build interactive applications using conditional logic, loops, and functions.