Mobile Software Developer - Technical Case Study

Project: A simple Chat-Bot with Ionic React App and Socket.io

This project will cover both backend and mobile applications.

Required Technologies (Backend)
- Typescript / Javascript
- Create a Nodejs or Spring Boot application to serve WebSockets for socket.io
- Nice To Have: Unit Tests

Explanation:
Serve a WebSocket endpoint to accept messages from a mobile application.
The client will write something to this socket as a message thus a conversation will start.
When a user writes something the backend will respond with a random message from a predefined sentence list.

Sample predefined sentences:
-"Hi, Welcome to our company, we are here to assist you. Please contact us on: test@test.com"
-"Hi, we are here to assist you Please contact us on: test@test.com"

Example Conversation:
User writes:
       - "Hello"
App responds:
       - "Hi, Welcome to our company, we are here to assist you. Please contact us on: test@test.com"
User writes:
       - "I need help on payment."
App responds:
       - "Hi, we are here to assist you Please contact us on: test@test.com"

Required Technologies (Mobile)
- Create a mobile application with Ionic React.
- Design is not very important it can be simple.
- Communicate with backend application with Socket.io.
- There should be at least one conversation box to user write and receive messages from/to the WebSocket.

Please push your project to Github. (Commit history is a plus.)