**PHASE NO:5 CLOUD APPLICATION DEVELOPMENT**

**CHATBOT IN VOICE COMMUNICATION USING WATSON.**

The logo for our Audio chatbot be:



The implementation of our Audio chatbot be,

**CODING:**

const { containerBootstrap, Nlp, LangEn } = window.nlpjs

​

// shortland function

const el = document.getElementById.bind(document)

​

// delay initialization until form is created

setTimeout(async () => {

const container = await containerBootstrap()

container.use(Nlp)

container.use(LangEn)

const nlp = container.get("nlp")

nlp.settings.autoSave = false

nlp.addLanguage("en")

​

// Adds the utterances and intents for the NLP

nlp.addDocument("en", "goodbye for now", "greetings.bye")

nlp.addDocument("en", "bye bye take care", "greetings.bye")

nlp.addDocument("en", "okay see you later", "greetings.bye")

nlp.addDocument("en", "bye for now", "greetings.bye")

nlp.addDocument("en", "i must go", "greetings.bye")

nlp.addDocument("en", "hello", "greetings.hello")

nlp.addDocument("en", "hi", "greetings.hello")

nlp.addDocument("en", "howdy", "greetings.hello")

​

// Train also the NLG

nlp.addAnswer("en", "greetings.bye", "Till next time")

nlp.addAnswer("en", "greetings.bye", "see you soon!")

nlp.addAnswer("en", "greetings.hello", "Hey there!")

nlp.addAnswer("en", "greetings.hello", "Greetings!")

​

await nlp.train()

​

// form submit event

async function onMessage(event) {

if (event) event.preventDefault()

const msg = el("message").value

el("message").value = ""

if (!msg) return

const userElement = document.createElement("div")

userElement.innerHTML = "<b>User</b>: " + msg

userElement.style.color = "blue"

el("history").appendChild(userElement)

const response = await nlp.process("en", msg)

const answer = response.answer || "I don't understand."

const botElement = document.createElement("div")

botElement.innerHTML = "<b>Bot</b>: " + answer

botElement.style.color = "green"

el("history").appendChild(botElement)

}

​

// Add form submit event listener

document.forms[0].onsubmit = onMessage

})

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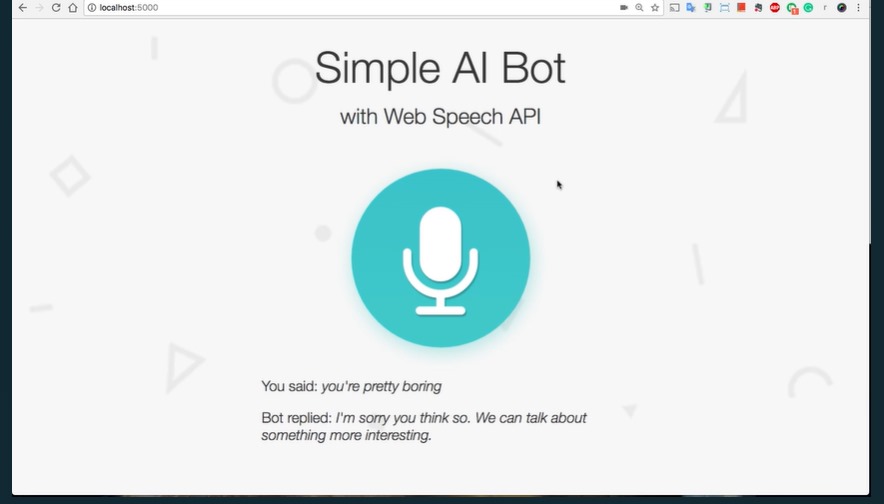
​

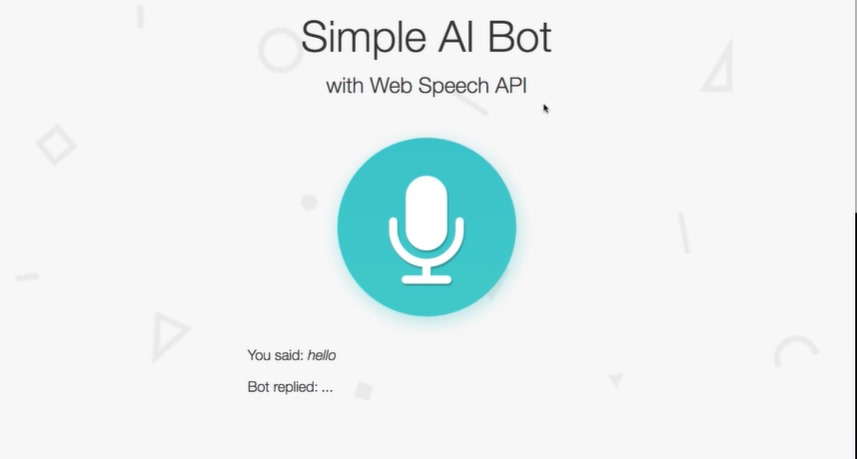
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**OUTPUT:**

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