**Chatbot Workflow Builder - Frontend**

This is the **frontend** of the chatbot workflow builder, developed using **Angular**. It provides a user-friendly interface for designing chatbot workflows, including features like drag-and-drop nodes, workflow simulation, and chatbot preview. The frontend connects to a **C# backend** to manage agents, intents, flows, pages, and routes.

**Prerequisites**

Before setting up the project, ensure you have the following installed:

1. **Node.js and npm**  
   Download and install from [Node.js official site](https://nodejs.org/).
2. **Angular CLI** (globally installed)  
   Install it using npm:

bash

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npm install -g @angular/cli

**Installation**

**Step 1: Clone the Repository**

Clone the project repository to your local machine using the following command:

bash

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git clone https://github.com/armanjeet/dialogflow.git

Change directory to the project folder:

bash

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**Step 2: Install Dependencies**

Navigate to the frontend directory and install the required npm packages:

npm install

**Running the Application**

**Step 1: Start the Backend Server**

Ensure the backend server is running and accessible. For instructions on setting up the backend, refer to the backend documentation.

By default, the backend should be running at a URL like http://localhost:5000.

**Step 2: Run the Frontend Server**

1 Start the Angular development server:

bash

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ng serve

1. Open your browser and navigate to http://localhost:4200.

The frontend will automatically connect to the backend for API interactions.

**Features and Pages**

**1. Agents Management**

* Manage Dialogflow CX agents, including listing and creating agents.

**2. Flows Management**

* Create, list, and delete flows for agents.
* Define the structure of conversations at the flow level.

**3. Intents Management**

* Manage chatbot intents and training phrases.
* Add, update, or delete intents for better conversation understanding.

**4. Pages and Routes**

* Define pages for flows and set up transition routes between them.
* Manage parameters and entry fulfillments for pages.

**5. Workflow Builder**

* Use the drag-and-drop interface to design chatbot workflows.
* Features include:
  + Adding nodes for messages, user inputs, actions, and conditions.
  + Connecting nodes to define conversational flows.
  + Simulating bot responses using the preview mode.

**Contribution Guidelines**

1. Fork the repository and create a feature branch.
2. Make your changes and submit a pull request.
3. Ensure all changes are tested and functional before submission.