**There are two ways to run this application:**

app.py supports two modes:  
During development, you'd typically use separate servers for better development experience.   
But the Flask app is also configured to serve the frontend directly, which is more like how it would work in production.

FDFDS

1. **Development Mode (Separate Servers):**

# Terminal 1 – Backend  
***python backend/app.py***  
# Runs Flask server on http://localhost:5000

# Terminal 2 – Frontend  
cd frontend  
***npm start***  
# Runs Angular dev server on http://localhost:4200

In this mode:  
- Frontend and backend run on different ports  
- Angular provides development features like hot reload  
- Frontend makes API calls from port 4200 to backend at port 5000  
- CORS is enabled in Flask to allow these cross-origin requests

1. **Production-like Mode (Single Server):**

***python backend/start\_app.py***

In this mode:  
- Only Flask server runs on port 5000  
- Flask serves both the API and static frontend files  
- No need for Angular development server  
- Everything runs through <http://localhost:5000>  
- Those send\_from\_directory routes serve the built frontend files

**So you have two options to access the frontend:**

1. Through Flask at http://localhost:5000 (always available)
2. Through Angular dev server at http://localhost:4200 (when started separately)

So when you run python backend/app.py:

* The Flask server starts on port 5000
* ALL routes are active, including:
  + API routes (/api/login, /api/interview, etc.)
  + Static file routes ('/' and '/<path:path>')
* So http://localhost:5000/ will ALWAYS serve index.html from ../frontend/src
* And http://localhost:5000/any-path will ALWAYS try to serve files from ../frontend/src

**The difference in development mode is that you can ALSO:**

* Run the Angular dev server on port 4200
* Access the frontend through http://localhost:4200
* Get development features like hot reload
* The Angular app will still make API calls to http://localhost:5000