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https://onecompiler.com/html/43wy2btb9

OneCompiler

43wy2btb9

index.html | styles.css | script.js

```
88 const name = document.getElementById("name").value;
89 const age = document.getElementById("age").value;
90 const city = document.getElementById("city").value;
91 const service = document.getElementById("service").value;
92 if (!name || !age || !city || !service) {
93   alert("Please fill in all fields.");
94   return;
95 }
96 document.getElementById("displayName").textContent = name;
97 document.getElementById("displayAge").textContent = age;
98 document.getElementById("displayCity").textContent = city;
99 document.getElementById("displayService").textContent = service;
100 document.getElementById("citizenForm").classList.add("hidden");
101 document.getElementById("confirmation").classList.remove("hidden");
102 }
103 function logout() {
104   sessionStorage.removeItem("loggedIn");
105   document.getElementById("loginForm").classList.remove("hidden");
106   document.getElementById("citizenForm").classList.add("hidden");
107   document.getElementById("confirmation").classList.add("hidden");
108   // Clear form fields
109   document.querySelectorAll("input, select").forEach(e1 => e1.value = "");
110 }
111 // Auto-redirect if already logged in
112 window.onload = () => {
113   if (sessionStorage.getItem("loggedIn") === "true") {
114     document.getElementById("loginForm").classList.add("hidden");
115     document.getElementById("citizenForm").classList.remove("hidden");
116   }
117 };
118 </script>
119 </body>
120 </html>
```

Login

Login

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35°C

11:19 17-09-2025

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https://onecompiler.com/html/43wy3j7ht

OneCompiler

LOGIN

index.htmlstyles.cssscript.js43wy3j7ht

AI

NEW

HTML

RUN

103return;

104}

105

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134</html>

Login

citizen

1234

Login

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43wy3j7...

File Expl...

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ENG

11:32

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OneCompiler

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HTML

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Citizen Information

Full Name

Age

City

Select a Service

Submit

Logout

Type here to search

43wy2bt...

File Expl...

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120 </body>

121 </html>

Citizen Information

thirisha

20

trichy

Water Supply Issue

Submit

Logout

Type here to search

43wy2bt...

File Expl...

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121 </html>

3 Submission Successful

Name: thirisha

Age: 20

City: trichy

Requested Service: Water Supply Issue

Logout

Type here to search

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11:26

17-09-2025

Project Title

Project Documentation

1. Introduction

- Project title : Citizen AI - Intelligent Citizen Engagement Platform
- Team member : Heerthini - S
- Team member : Gnana Thirisha - T
- Team member : Indhumathi - R
- Team member : Bharathi - C

2. Project Overview

- Purpose :

Citizen AI uses IBM Granite models to provide quick, helpful answers about government services and civic issues. It also tracks public sentiment and presents dashboards for officials to visualize feedback. The project is designed to run on Google Colab for easy, low-cost setup and reliable performance.

- Features:

Conversational Assistance

Key Point: Quick response to civic queries

Functionality: Provides natural language answers about government services.

Sentiment Tracking

Key Point: Public opinion insights

Functionality: Collects and analyzes citizen sentiment for officials.

Dashboard Visualization

Key Point: Data transparency

Functionality: Displays feedback and insights in simple dashboards.

Lightweight Deployment

Key Point: Easy setup

Functionality: Runs seamlessly in Google Colab with GPU support.

3. Architecture

Frontend (Gradio):

Provides an interactive interface for citizens to ask questions and officials to view dashboards.

Backend (IBM Granite Models via Hugging Face):

Granite models are used for natural language understanding and generating responses.

Deployment (Google Colab):

Colab provides a low-cost, GPU-enabled environment to host and run the application.

Version Control (GitHub):

The project is versioned and stored in GitHub for collaboration and updates.

4. Setup Instructions

Prerequisites:

- o Python 3.9 or later
- o Gradio Framework
- o IBM Granite Models access via Hugging Face
- o Git installed
- o Google Colab account with T4 GPU enabled

Installation Process:

- o Open Google Colab and create a new notebook
- o Change runtime to GPU (T4)
- o Install dependencies: !pip install transformers torch gradio
- o Run provided Citizen AI code cells
- o Access the generated Gradio app link
- o Upload project to GitHub repository

5. Folder Structure

app/ – Gradio application scripts
 notebooks/ – Google Colab notebooks
 models/ – Hugging Face Granite model references
 .github/ – GitHub configuration files
 citizen_ai.py – Main application file
 requirements.txt – Dependencies list

6. Running the Application

- > Open the Google Colab notebook
- > Install required dependencies
- > Run the notebook cells sequentially
- > Launch the Gradio app from the output link
- > View dashboards and interact with the chatbot
- > Push project files to GitHub repository

7. API Documentation

Citizen AI does not use custom APIs but relies on Hugging Face Granite model APIs and Gradio interface.

8. Authentication

Basic setup runs in open mode for demo purposes.
 Future enhancements can integrate authentication using:

- API keys
- OAuth2 with IBM Cloud credentials
- Role-based access for citizens and officials

9. User Interface

The Gradio-based interface is simple and accessible:

- Chatbot interface for citizens
- Dashboard for officials to view sentiment and feedback
- Real-time updates through Google Colab hosting

10. Testing

Testing includes:

- Unit Testing: Verifying code in Colab cells
- Manual Testing: Checking chatbot responses and dashboard outputs
- Deployment Testing: Running app on Colab with GPU

11. Screenshots

(Screenshots can be inserted from Colab and Gradio outputs)

12. Known Issues

- Limited to Colab runtime sessions (temporary environment)
- Requires stable internet connection
- Dependent on Hugging Face model availability

13. Future Enhancements

- Dedicated cloud deployment (IBM Cloud, AWS, or Azure)
- Advanced dashboards with analytics
- Multi-language citizen support
- Integration with real government data sources