**Smart Email Assistant - Documentation**

**1. Project Overview**

The **Smart Email Assistant** is a browser extension designed to work seamlessly with Gmail, generating context-aware email replies using AI. It aims to save users time by providing quick, relevant, and grammatically correct email suggestions directly within the Gmail interface.

**2. Installation Instructions**

1. Download and extract the provided Smart\_Email\_Assistant.zip file.
2. Open Google Chrome and navigate to chrome://extensions/.
3. Enable **Developer mode**.
4. Click **Load unpacked** and select “email-reply-generator-extension”.
5. Open “email-reply-generator (backend)” in an IDE and run it.
6. Open Gmail, and the extension will automatically activate.

**3. Usage Guide**

* Once the extension is loaded and Gmail is open, try to reply to an Email.
* The **AI Reply** button will appear when you click on “Reply” button.
* Click the button to generate an AI-powered reply suggestion.
* Edit the suggestion if needed and send the email with ease.

**4. How It Works (Technical Explanation)**

* The extension captures the email content in the compose window.
* It sends the content to an AI language model via the Gemini API to generate a contextually appropriate reply.

**5. Project Structure**

* manifest.json: Defines extension metadata and permissions.
* content.js: Interfaces with Gmail's UI to inject the reply suggestions.
* Spring Boot Application : Handles background processing and API requests.

**4. Future Scope**

* Make the Spring Boot backend live and host it to ensure that anyone can use the extension and benefit from its features.