**Crafting an AI-Powered HR Assistant: A Use Case for Nestle’s HR Policy Documents**

Course-end Project 1

Description

**Overview**

The project aims to create a conversational chatbot that responds to user inquiries using PDF document information. It requires proficiency in extracting and converting text into numerical vectors, establishing an answer-finding mechanism, and designing a user-friendly chatbot interface with Gradio. Additionally, the initiative emphasizes structuring inquiries for clear communication and deploying the chatbot for practical use, guaranteeing the system's accessibility and efficiency in meeting user needs.

**Instructions**

* Review the learning materials and the Gradio documentation provided for the project.
* Read the sections on situation, task, action, and result carefully to understand the assignment.
* Complete and submit the assignment through the Learning Management System (LMS).
* Adhere closely to the provided guidelines, ensuring your submission contains all necessary analyses and interpretations.

**Situation**

As a developer, you have received the critical task of improving the operational efficiency of Nestlé's human resources department, a leading multinational corporation. Your toolkit includes cutting-edge conversational AI technology, Python libraries, the powerful GPT model from OpenAI, and the user-friendly Gradio UI. Your mission is to integrate these advanced tools seamlessly to transform HR processes, creating a more streamlined and efficient workflow within the Nestlé organization.

**You can download the complete problem statement here -** [](https://lms.simplilearn.com/user/project/download-attachment?file=1709884463_courseendprojectcraftinganaipoweredhrassistant.docx)

**You can download the Gradio documentation here -**[](https://lms.simplilearn.com/user/project/download-attachment?file=1709884504_gradio_documentation.docx)

**You can download the Dataset here -**[](https://lms.simplilearn.com/user/project/download-attachment?file=1728286846_the_nestle_hr_policy_pdf_2012.pdf)