**Questionnaire to Identify Internal Representational Systems (VAKOG + Auditory Digital)**

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**Problem Statement**

In Neuro-Linguistic Programming (NLP), individuals process information using different Internal Representational Systems (IRS), categorized as:

* Visual (V): Think in pictures, remember images.
* Auditory (A): Prefer sound-based learning and verbal communication.
* Kinesthetic (K): Learn through movement, touch, and emotions.
* Olfactory (O): Strong connection to smells.
* Gustatory (G): Sensitive to tastes and food-related experiences.
* Auditory Digital (AD): Logical, structured thinking, prefers internal dialogue.

Traditional methods to identify IRS require manual evaluation or printed questionnaires, limiting accessibility and scalability. This project automates the identification of IRS using a Django-based web application that provides a structured, interactive questionnaire.

**Objectives**

1. Develop an interactive NLP-based questionnaire for identifying VAKOG + Auditory Digital preferences.
2. Enhance user experience with an intuitive, web-based interface.
3. Automate data collection & analysis, making the system scalable.
4. Generate real-time insights based on user responses.
5. Deploy the application on a free Django hosting platform (Zeet Server) for public access.

**Methodology**

**1. Technologies Used**

* **Backend:** Django (Python) for web framework and logic.
* **Frontend:** HTML, CSS for responsive UI.
* **Database:** SQLite for storing questions, answers, and user responses.
* **API Development:** Django REST Framework (DRF) to serve quiz data dynamically.
* **Deployment:** Zeet Server for free Django website hosting.

**2. Implementation Steps**

**A. Backend Development (Django)**

1. Database Models (models.py)
   * Category Model → Defines different VAKOG + AD categories.
   * Question Model → Stores questions linked to categories.
   * Answer Model → Stores answer choices for each question.
2. Views & APIs (views.py)
   * home() → Renders category selection page.
   * quiz() → Loads quiz questions dynamically.
   * get\_quiz() → API endpoint to fetch questions & answers.
3. URL Routing (urls.py)
   * Routes for quiz pages and API endpoints.

**B. Frontend Development (HTML + Bootstrap)**

* home.html → Displays a dropdown for users to select a category.
* quiz.html → Shows dynamically fetched questions & answers.

**C. Deploying on Free Django Hosting (Zeet Server)**

Push Code to GitHub & Deploy

* + Connect the GitHub repository to Zeet.
  + Deploy using Zeet’s Django setup.

This project provides an AI-assisted approach to understanding information processing styles, making it useful for educators, and NLP practitioners.