FICHE PROJET – Human–AI Interaction

Équipe : Anonyme

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Version : v0.2

1) Rappel v0 (condensé)

- **Objectif & métrique primaire :**
  Its a macro/micro nutrient tracker to promote healthy eating in people.
  Reliance is the primary metric

- **Tâche & point de décision :**
  The user takes a picture of their dish each time they want to eat

- **Rôles Humain/IA (qui décide quoi) :**
  User : enters the data (picture of the dish) => AI : makes an estimation about the name of the dish => User : accepts or manually enters the name of the dish = > AI : calculates the macro/micro nutrients of the day (like proteins, fibers, vitamins, minerals, …) and gives weakly or monthly statics about the health status of the user
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- **Risques prioritaires & cas à éviter (* 2–3) :**
  Vague estimation for detecting a dish => the user checks and decides whether they want to write the precise estimation (the name of the dish and the correct amount of food)

  Low precision in estimating the amount of the dish => we ask the user to include their hand in the picture to have a size refrence

- **Logs minimaux :**
  For the first time : the user enters the necessary information such as pregnancy, medications, health conditions, …
  Each time : the user enters the picture of the plate

2) Mise en conformité G1 → G12

G1 — Portée (fait / ne fait pas)

Calculates the micro/macro nutrients + calories of a dish but doesn not suggest recepies.

G2 — Incertitude actionnable (badge + microcopie)

After taking the picture of the plate, the « uncertain » estimation of the dish will be checked and corrected by the user (either the user accepts, or the estimation forgoes the error, or the user rejects the estimation and is invited to fill the form (the name of the dish or the list of the ingredients) manually).

G3 — Timing (déclencheur explicite)

After encountering problems while generating an estimate, a pop up shows explaining the reasons why this happens and how to avoid this problem in the future and the user is invited to take another picture (ex: in case of a blurry image, bad lighting, etc.).

G4 — Explication utile (≤3 facteurs ou contrastive)

give the user a weekly/monthly stat and lists the the first 3 foods that contributed the most to each of the nutrients that the user had logged

G5 — Ton sobre (microcopie révisée)

We try to be as explicit about the AI's confidence about each estimation.
We try to offer different ways for the user to enter the dish (picture, writing, …).

G6 — Équité (slice non sensible, niveaux, règle)

This suggestion follows uniform criteria for similar cases based on their health needs.

G7 — Aide invocable (CTA, raccourci

There would be a help button with a question forum in the menu or an AI chatbot can assist the user.

G8 — Dismiss (fermer + cooldown)

The user can dismiss the current estimation window and restart the process from the beginning.

G9 — Override (Appliquer / Corriger / Ignorer)

Same as in G2.

G10 — Abstention/fallback (précondition + repli)

If uncertainty is high, the user can either fill out the form or take another picture of the dish

G12/13 — Mémoire / Préférences

G13 : Remembers users conditions (pregnant, medication, athlete, etc.)

G16/17/18 — Preview, contrôles globaux, notification de changements

Each time the stats get updated we show the user by how much each nutrients stats has changed by showing a pop up for the changing stats.
We ask the user’s consent to anonymously share their statistics with research labs or companies but we give the choice to the user to choose the organizations with which they want to share their informations (if they want to share).