Cognition Trial Instruction Document

Summary

Mercor is hiring Full Stack Engineers to work with Cognition (creators of Devin, the world's first AI SWE Agent) to build top-class demos for customer use cases.

This trial project is your application for the role. We're looking for excellent engineers who take initiative, move with urgency, and have strong communication skills.

Timeline: Due by end of day IST August 29, 2024 (but earlier submissions will be prioritized).
Project Submission: Use this form to submit your trial project.
Role Compensation: Varies based on experience, but if you're selected for the role, you can expect the hourly rate to be in the range of your listed Mercor rate.
Role details: The role will start part-time, with the potential to move to 40+ hours/week.

Project Overview

Create a custom Hospital Patient App Tracker in Odoo 15. Your goal is to:

- Create a Patient Model with the following fields:
  - reference: This should be an auto-incrementing generated field of the form **HP-xxxxxx**.
  - name
  - age
  - gender
- Create views for the Patient model which allow the user to view a list of patients and create new patients.
  - You should be able to create new Patients.
  - You should be able to view a list of patients.
- You should use Docker and PostgreSQL.
- Finally, imagine you were asking an LLM to do this task. Define the rubric you would use to evaluate the LLM's submission. See the example below, but do not copy.
  - This doesn't need to be complex or long, just thoughtful and well-written.
  - The rubric should be usable to objectively and easily grade submissions to this project, so you could theoretically use it to evaluate your own submission.

Deliverables:

Your deliverables should include the following, please make sure you submit it here.

1. Short Loom video (maximum 3 minutes): Demonstrating the functionality of the Odoo app running locally (e.g., adding + viewing patients).
2. A link to a zip file of your code, uploaded to Google Drive. The visibility should be set to public, or your submission won't be considered.
3. Brief description of your project or workflow (2-5 sentences).

4. Your rubric

Guidelines:

- Your Loom video should not be longer than 3 minutes.
- Please make sure you are demonstrating the functionality of the Odoo app onlocal host with the features (e.g. adding and viewing patients).
- Ensure your writing has correct spelling and grammar, this should be presentable to a client. We encourage you to use Grammarly.
- Don't use an LLM to write explanations or your code — we have a strict policy against the use of LLMs and we will be checking for this.
- Ensure your code is formatted and commented well, and adheres to best practices.

Our evaluation criteria:

1. Did you follow all the instructions?
2. Did you implement a Patient Model with reference, name, age, and gender fields as requested?
3. Are there views for the Patient Model which allow the user to view a list of patients and create new patients?
4. Did you include a rubric?
5. Is your code unique (not copied)?
6. Did you use Odoo 15, Docker, and PostgreSQL?
7. Is your video clear and concise?
8. Is your description presentable to a client (no spelling/grammar mistakes)?

Example Rubric:

Do not copy this rubric, it's just an example. Copying this rubric in your submission (or just submitting a modified version) will lead to your application not being considered.

1. Correctness
    a. No issues - explanation of what no issues in correctness looks like
    b. Minor issue(s) - explanation of what minor issue(s) in correctness looks like
    c. Major issues(s) - explanation of what major issue(s) in correctness looks like
2. Instruction-following
    a. No issues - explanation of what no issues in instruction-following looks like
    b. Minor issue(s) - explanation of minor issue(s) in instruction-following
    c. Major issues(s) - explanation of major issue(s) in instruction-following
3. Style
    a. No issues - explanation of what no issues in style looks like
    b. Minor issue(s) - explanation of what minor issue(s) in style looks like
    c. Major issues(s) - explanation of what major issue(s) in style looks like