

# **Back-End Task**

## **1. Summary:**

You are building a personal finance web app where users will enter a saving goal and monthly deposit will be calculated for them.

Your task is to simulate this environment and build:

1. The Front-End using the framework of your choice.
2. The Back-End using Django rest framework, JWT and PostgreSQL.

## **2. Web app structure:**

- the user will see a landing page with 2 buttons, register and login. Once logged in will be redirected to the home page.
- The home page will view the created saving goals and an option to create a new one
- To create a new goal the user enter two fields:
  - the total amount to be saved
  - the date to reach the goal
- the monthly deposit value will be calculated and displayed.
- Example:
  - Total amount to be saved = \$30,000
  - The date to reach the goal = October 2025
  - Current date = October 2023
  - The monthly deposit value = \$1,250 for 24 months

Total amount

30,000

Date to reach goal

October 2025

1,250

Monthly amount

### **3. Delivery Instructions:**

- This Task should be delivered within 72 hours (3 days) from receiving the task.
- Once you're done, deploy your solution and send:
  1. The link to the code repo with a readme file.
  2. The link to the deployed version.
  3. The number of hours spent on the task
- Your code will be evaluated on:
  1. How clean and organized your code is
  2. How good your automated tests
  3. Implementing the business rules correctly

**Best of luck**