Write an application for the input of expenses

\* User must be able to create an account and log in

\* When logged in, user can see a list of his expenses: what money is spent for and how much, - also he should be able to edit and delete

\* Implement at least three roles with different permission levels: a regular user would only be able to CRUD on their owned records, a user manager would be able to CRUD users, and an admin would be able to CRUD all records and users.

\* Each entry has a date, time, text, and cost

\* Filter by text, dates from-to, time from-to (e.g. how much I spent for lunch each day in the last month, if lunch is between 12 and 15h)

\* User setting – Expected number of money spent per day

\* When displayed, it goes green if the total for that day is less than expected number per day, otherwise goes red

\* Minimal UI/UX design is needed.

\* All actions need to be done client side using AJAX, refreshing the page is not acceptable (use React for SPA).

\* REST API (use Django Rest Framework or Spring Data Rest or Express). Make it possible to perform all user actions via the API, including authentication.

\* In any case you should be able to explain how a REST API works and demonstrate that by creating functional tests that use the REST Layer directly.

\* Bonus: unit and e2e tests!

\* You will not be marked on graphic design, however, do try to keep it as tidy as possible.

\* Write docker-compose.yml with django/spring/nodejs & postgresql to run project