# Backend Assignment: Simple Todos and Reminder API

The assignment involves the creation of a TODO and Reminder REST JSON API using Django.

Create a CRUD API for a simple TODO Management application. TODOs are organized in boards, on every board there can be multiple TODOs. A TODO contains a title (str), done (bool), a created (datetime) and updated (datetime) timestamp. A board has a name (str).

Via a REST API it must be possible to:

* List all boards
* Add a new board
* Change a board's title
* Remove a board
* List all TODOs on a board
* List only uncompleted TODOs
* Add TODOs to a board
* Change a TODOs title or status
* Delete a TODO

User management and authentication are required.

**Constraints**

* When listing all boards the JSON should have a todo\_count field, but not the list of all todos
* In the board's detail view all todos should be serialized and the todo\_count should not be visible

## Reminder API

Another endpoint should allow the user to set reminders. A reminder contains an email address, a reminder text and a delay in minutes when it will be triggered.

Via the REST API it must be possible to:

* List all reminders
* Create a new reminder
* Remove a reminder

After the user provided delay the user should receive an email

### Constraints

Please use celery to implement the delayed execution.

## How to work on the assessment

* Start working on the assignment
* Please do periodic commits with meaningful commit messages
* Once you are done push your final results
* Please include a brief description how to run your solution

Please note that we don't accept solutions without periodic commits.