

# John Task List

Buzzvel 2023 Dev Team Test

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Version 1.0

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## Story

João is tired of forgetting his tasks that he need to do daily. Your goal is to create a tool that helps João to solve his problem in a simple way.

**The solution:** Implement a RESTful API for a task management application (to-do list).

### API

The API should have the following endpoints:

- a) /tasks (GET): Returns the list of all tasks.
- b) /tasks (POST): Creates a new task.
- c) /tasks/{id} (GET): Returns the details of a specific task.
- d) /tasks/{id} (PUT): Updates the details of a specific task.
- e) /tasks/{id} (DELETE): Removes a specific task.

## Technologies that you can use

- Laravel, PHP, Wordpress

### Requirements

Each task should have the following fields:

- Unique identifier of the task
- Task Title
- Task Description
- Attachment File(s)
- Mark as Completed (indicates if the task is completed or not)
- Dates ( date that the task was created, completed, updated and deleted)
- User (that created the task or updated)

Ensure proper error handling in the following cases:

- The requested resource does not exist
- Validation errors in the data sent by the client

- Write unit tests for the main scenarios of each endpoint.

## Test Evaluation

- Is the solution correct and functional?
- Is the code well-structured, following good design and organization practices?
- Does the API architecture follow RESTful principles?
- Have error handling mechanisms been implemented correctly?
- Have suitable and efficient unit tests been written?
- Does the code follow the conventions and standards of the chosen language?

## Mandatory

A readme is required. If we don't have a readme, this test will be ignored.

A video or a URL that show the project is working. You can upload and share with a public link and send us the link.

## Bonus Points

If the project is published online, a 20% bonus will be given.

If the project is delivered using Docker, a 10% bonus will be given on this task.

## Deliverables

When you finish your test you need to go to

<https://forms.clickup.com/6647387/f/6avjv-10780/3TW6BPS19PD6KGDHC2>

and fill our form.