



QUANTOX

SOFTWARE DEVELOPMENT & IT CONSULTING

Pre-Employment Test

**Build application similar
to Trello or Jira.**

Details:

- Build application similar to Trello or Jira.
- User must be able to register, activate their account and login.
- Logged users are able to create, modify and assign tickets, user also have to be able to change ticket status.
- There are three different statuses "Pending", "In Progress" and "Done".
- Tickets consist of minimum three attributes: title, content and creator.
- Deleted tickets should be soft deleted (archived).
- Only ticket creator can soft delete it (or admin if logic is implemented)
- All the stuff you do, needs to be tracked on a Git repository, so we can see your thinking.

Bonus:

- Create administrator role: (For Intermediate and senior this is a MUST)**

Administrator should be able to manipulate any ticket, also - admin is able to hard delete both tickets and users.

Administrator should also be able to activate any non-activated user.

- Create dynamic statuses as addition to default: (For senior this is a MUST)**

Administrator user can create as many different statuses as needed.

Administrator can also remove status, or update its properties.

When some status is removed, all tickets in that status should be handled properly.

Status must contain at least name and user who created it.

Extra Bonus:

- Real-Time updates:**

Implement WebSocket messaging, that will allow frontend to update views and notify user about changes in real time

- Activity Log:**

Create activity history for each ticket, it should contain all changes to certain ticket (status changes, property updates etc)

The time you have for completion of this test is 2 working days.

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Thank You For Your Application!

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