

# Backend Developer

## Task: User management system

We have designed a coding task that is intentionally vague and open-ended in its specification so that you have the opportunity to take it in almost any direction you wish.

### Stories

- As an admin I can add users — a user has a name.
- As an admin I can delete users.
- As an admin I can assign users to a group they aren't already part of.
- As an admin I can remove users from a group.
- As an admin I can create groups.
- As an admin I can delete groups when they no longer have members.

### Artifacts

Please implement the design using a modern PHP framework. Bonus points if that happens to be Symfony. Focus equally on software design and code.

- Show me a small domain model for the processes above (in UML or anything else).
- Show me a database model.
- Design a convenient API that other developers would love to use for the tasks above.

### Timing

- Our suggestion is to spend around 4 hours for the coding task.
- There is no hard deadline, but the sooner you submit it the faster we can continue the process.

### Delivery

You can either:

- (preferred) deploy your project to github or another public repo and email us the link, or
- zip your files and attach them to an email

