

THE TASK

Backend

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I. The Task

You are working on Twitter-style messaging application, where users can follow other users and

publish short messages. Every user has dedicated wall with messages written by following users, ordered by the time (newest messages should be always on top of the wall).

Messages should be short, maximal length is only 250 characters. Body of the message should be always in plain text (without HTML) with optional user mentions (like "@nickname"). Mentioned users should see message in their walls, even if they don't follow author of the message.

Task details

Implement fully functional small web application with your favorite web framework.

Requirements

- user can create an account with nickname and password
- user can log in to the application (account confirmation is not necessary)
- user can follow other user(s)

- user can publish short messages
- user can see his wall of messages, ordered by the time:
 - written by himself
 - written by following users
 - with mentions by nickname (like "@nickname")

Each message should be in plain text, without any HTML tags. You can provide different presentations for each group of messages in the wall, for better user experience and future enhancements, like sponsored messages.

II. Solution Format

The solution should be sent in ONE archive with a title and format **ITChallenges.zip**.

III. Evaluation Criteria

Judges will pay attention to:

- Overall architecture and quality of the code
- Implementation of Design Patterns, SOLID principles and other programming techniques
- Copy & Paste programming

You can use your favorite web framework, backend services like database or frontend solutions like Bootstrap. You can't use any library or solution related to twitter-style messages functionality, you need to implement everything on your own.

IV. Contacts

1. Send your solution from your profile on site no later than **5th of November, 17:59**
2. Any questions related to the task please send to contact@itchallenges.me . We will reply asap

V. General Partners



Good luck and may the Force be with you!