

The Publishing App

The main task is to create a publishing application using the technologies below:

NodeJS with express.js framework

WebSockets using socket.io framework

The publishing application should contain a single web page to show published messages of logged-in users in a simple table. See the picture below.

There should be a simple registration form (username/ password) through which users can register and after that log in to the system.

There should be a simple login form through which users can log in to the system.

After the successful log in users can send messages to the server. And receive messages from the server.

Messages	
John Doe	Hello World
Jane Smith	What about coffee?
Jack Brown	Code smells :-)

There should be a single API endpoint for publishing messages via HTTP POST request (e.g api.example.com/publish). The request body structure should be as shown below.

```
{“message”: “Some new message data...”}
```

The application must validate the upcoming request structure and alert about errors.

The application should work in the current order. Each time there will be POST requests with new messages the application must accept them and share them between its clients via a web socket connection. The web clients must receive the messages from the server and append them on top of the messages table as soon as they arrive. Every client must receive all the published messages.