# Node-Red app

Node-RED

Node-RED: A visual tool for wiring the Internet of Things.

The purpose of the assignment is to build a functional app using the Node-RED framework.

The development will be performed in two phases:

- First phase requirements are described here.
- Once the first phase is done, follow up tasks will be issued during the review meeting.

The tools to use:

- Node-RED
- node-red-dashboard module for UI
- Any other Node RED module you think can help with the task

The list of requirements is as follows:

1. Setup Node-RED and dashboard module
2. Implement the features outlined below using as few Function Nodes as possible
3. Export the flow(s) and send the resulting json

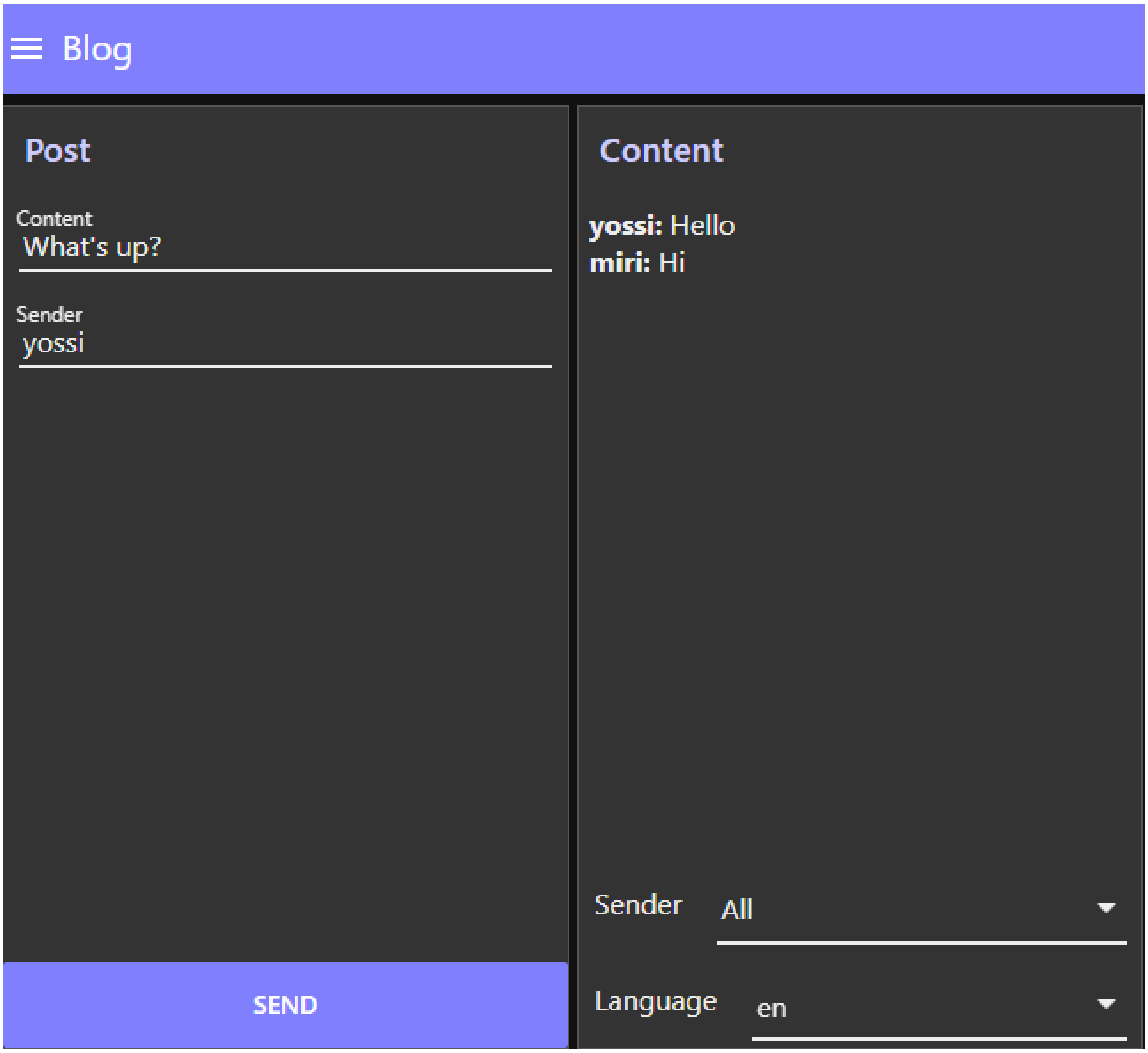
The purpose of the assignment is to build a basic yet functional blogging app.
The list of requirements is as follows:

1. Build the service to **receive text messages** and store it on the server.
   a. When posting messages, fields “content” and “sender” are submitted (both are strings)
   b. Outcome: Receiving a new message will produce a list of all messages posted so far along with its respective sender name
   c. When opening the dashboard, show the list of posted messages. The messages received are stored in memory, no persistence required.

2. Option to **filter messages** by sender name. The UI form will accept parameter “Sender” and will list only the messages of which sender matches the parameter value. When the “Sender” parameter value changes on the UI, the form content will be updated immediately.

3. Support an optional **translate messages** functionality. The UI form will accept a “Language” parameter (combo box with several languages, e.g. [“he”, ‘es’, “fr”]). When specified, **translate all messages** to the selected language before rendering. When the “Language” value selected by the combo box changes, the form content will be updated immediately.

*Implementation example:*



Content
What's up?

Sender
yossi

**yossi:** Hello
**miri:** Hi

Sender All

Language en

**Notes:**

- Data posted should be stored in memory, no need for persistence.
- Use an external API for translation, e.g:
  *https://translate.googleapis.com/translate_a/single?client=gtx&sl=en&tl=he&dt=t&q=dog*