

# Project Name

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As a full-stack developer, you are assigned a task to build a prototype message board for in-house use.

## Project Structure

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```
project-root/  
|-- back-end/  
|   |-- Dockerfile  
|   |-- ... (other backend files)  
|  
|-- front-end/  
|   |-- Dockerfile  
|   |-- ... (other frontend files)  
|  
|-- docker-compose.yml  
|-- README.md  
|-- ...
```

## Run Using Docker

---

Unzip The Project

```
alphasense_assignment.zip
```

Go to the project directory

```
cd assignment
```

Use docker-compose.yml

```
docker-compose up || -d
```

The services will be accessible at:

Back-end: <http://localhost:5000>

Front-end: <http://localhost:3000>

## Run Locally

---

Unzip The Project

```
alphasense_assignment.zip
```

Go to the project directory

```
cd assignment
```

Go to the back-end && front-end directory

```
cd back-end && front-end
```

Install dependencies

```
npm install
```

Start the back-end && front-end

```
node index.js && npm start
```

# API Reference

## Get all channels

```
GET /api/pb/channels
```

## Get specific channel

```
GET /api/pb/channel/${id}
```

Parameter	Type	Description
id	string	<b>Required.</b> Id of channel to fetch

## Create Specific Channel

```
POST /api/pb/add-channel
```

Parameter	Type	Description
title	string	<b>Required.</b> Alphanumeric with spaces allowed, without consecutive spaces, with a length between 10 and 30 characters
description	string	<b>Required.</b> No leading spaces, no consecutive spaces, with a length between 30 and 150 characters without leading or trailing whitespaces
avatar	jpg/png	<b>Optional</b>
backgroundImage	jpg/png	<b>Optional</b>

## Create Message For Channel

```
POST /api/pb/hannel/add-message
```

Parameter	Type	Description
alias	string	<b>Required.</b> Alphanumeric with spaces allowed, without consecutive spaces, with a length between 10 and 30 characters
channelId	string	<b>Required.</b>
subject	string	<b>Required.</b> Alphanumeric with spaces allowed, without consecutive spaces, with a length between 10 and 30 characters
text	string	<b>Required.</b> No leading spaces, no consecutive spaces, with a length between 30 and 150 characters without leading or trailing whitespaces
avatar	jpg/png	<b>Optional</b>