

# Airwallex - Frontend Code Challenge

Make a simple single-page web application for Broccoli & Co.

Broccoli & Co., an upcoming online service company, would like to let people to "Request an invitation" on their website.

## The functionality

- Create a simple yet clean homepage for them that allow users to enter their 1.) name 2.) email to receive email invitations.

## Visual Requirements

- The UI should occupy the full height of the screen.
- Shows a fixed header that is always on top of the window and a footer that is always on the bottom of the window (assuming a reasonable window height).
- The page content is sandwiched in the middle, containing just a heading, a small piece of text and a button to request an invite.
- A rough mockup of the basic layout is attached. While preserving this layout on desktop, you may style it however you wish, with or without images.

## UI Behavior / Validation

- When the Request Invite button is clicked, a popup shows containing the **Full name**, **Email** and **Confirm Email** input fields.
- The user needs to fill in all three fields to request an invite. **Full name** needs to be at least 3 characters long, **Email** needs to be in validation email format and **Confirm Email** needs to match **Email**.
- If the user clicks **Send** and one or more fields do not validate properly, the app should **not** contact the backend but instead highlight the invalid field(s).
- If the user clicks **Send** and all fields validate properly, the app should send the request to the backend server (see specs below) and inform the user that the request is being sent.
- If the server returns 200 OK, it should switch to another popup, indicating that everything went through OK. This popup can be dismissed and will simply close - revealing the homepage again.
- The server may return 400 Bad Request, in which case the app should simply display the error message from the server.
- The Send button can be clicked again to re-attempt the submission.

## Tooling

- The solution must use a modern front-end framework, preferably Angular (1 or 2) or React.
- The solution must use a modern CSS extension language, preferably Sass.
- The solution must be mobile friendly (users won't need to pinch and zoom on their mobile devices).
- The solution must use a modern build tool, preferably Webpack.
- The solution should use flexbox layout where appropriate (basic page layout, positioning elements, anything relevant.; we do not support browsers that do not support flexbox).
- The solution should be in ES6 though Typescript / Flow are preferred if appropriate.

## Backend API

- The API endpoint is available on <https://l94wc2001h.execute-api.ap-southeast-2.amazonaws.com/prod/fake-auth>
- The request is in the form of a JSON payload { "name": "XXX", "email": "XXX" }
- The request must use the POST method.
- Email "usedemail@airwallex.com" is hardcoded in the backend to trigger a specific error that needs to be handled by the front-end app.

## Submission

- Please submit your code via an online Git repository or simply zip it to us, including a [README.md](#) for building, running and testing the app.
- Write appropriate test cases to make sure the app behaves as expected.
- Do not develop your own backend API, use the one specified above.

# Appendix - Mockup

