

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 name and 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.
- The solution must be mobile friendly (users won't need to pinch and zoom on their mobile devices).

UI Behaviour / 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**. (You may display the validation errors inline)
- If the user clicks **Send** and one or more fields do not validate properly, the app should **not** contact the backend but instead provide appropriate feedback to the user (use your judgement on what this UX should be).
- 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.

You're encouraged to tweak/customise the UI to provide a better user experience. However the final solution must still adhere to layout design provided.

Tooling

- The solution should be implemented in React.
- The solution should use a modern styling approach.
- The solution should run on most modern browsers (e.g. flexbox and grid okay).
- The solution should include unit tests.
- The solution should be production ready.
- Static type checking is appreciated.

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 some tests to make sure the app behaves as expected.
- Do not develop your own backend API, use the one specified above.

Appendix - Mockup

