

Bling - iOS Code Challenge

Make a simple app for Broccoli & Co.

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

The functionality

- Create a simple yet clean app for them that allows users to enter their name and email to receive email invitations to the service. (The service is in closed beta and Broccoli & Co. only want to grant beta access to the service to people who have requested an invite).
- If a user has already requested an invitation, the page should say they are already registered and allow them to cancel the invitation.

Visual Requirements

- Pre-requesting an invite
 - The page content is sandwiched in the middle, containing just a heading, a small piece of text and a button to request an invite.
- Post successful request
 - A 'congratulations' view should appear, and upon dismissing the view, a view should display saying they are already registered.
 - They should be able to remove themselves from receiving email invitations by tapping a button saying 'Cancel invite'.
- Post cancelling the invite
 - A 'successfully cancelled invite' view should appear, and upon dismissing the view, the 'Pre-requesting an invite' view should appear.

Design it however you like but keep it simple and clean.

UI Behaviour / Validation

- Requesting an invite
 - When the Request Invite button is clicked, a view should appear modally, containing the **Full name**, **Email** and **Confirm Email** input fields as well as a **Send** button.
 - 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 a valid 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 a 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.
- Congratulations view
 - The congratulations view should look nice. Adding in a nice gif or confetti would be a plus, but feel free to add a better design.
- Pre-cancelling the invite view
 - This view should look similar to the pre-request view, except with a 'cancel' button instead.
 - Upon tapping 'Cancel invite', a warning alert should appear asking the user if they're sure they want to cancel the invite.
- Successful cancellation view
 - This view should look similarly nice to the 'congratulations view'.
- Store whether the user is invited in User Defaults so you can recall which view to load upon loading the app.

Tooling

- The solution should be implemented in UIKit with constraints written programmatically.

Backend API

- The API endpoint is available on <https://us-central1-blinkapp-684c1.cloudfunctions.net/fakeAuth>
- The request is in the form of a JSON payload { "name": "XXX", "email": "XXX" }
- The request must use the POST method.
- Email "usedemail@blinq.app" 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. Also, please send a screen recording of you using the app and showing us how it works.
- Do not develop your own backend API, use the one specified above.