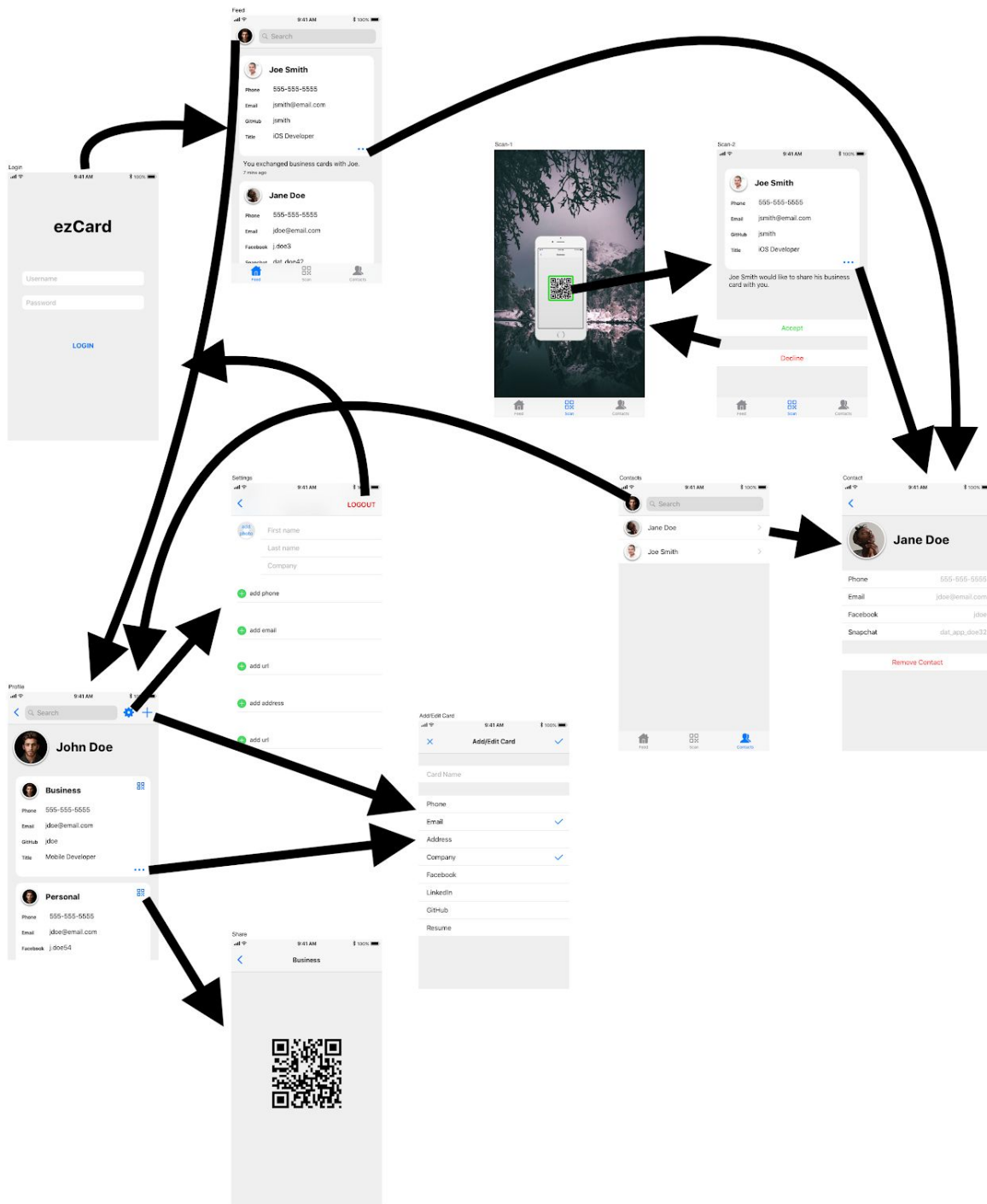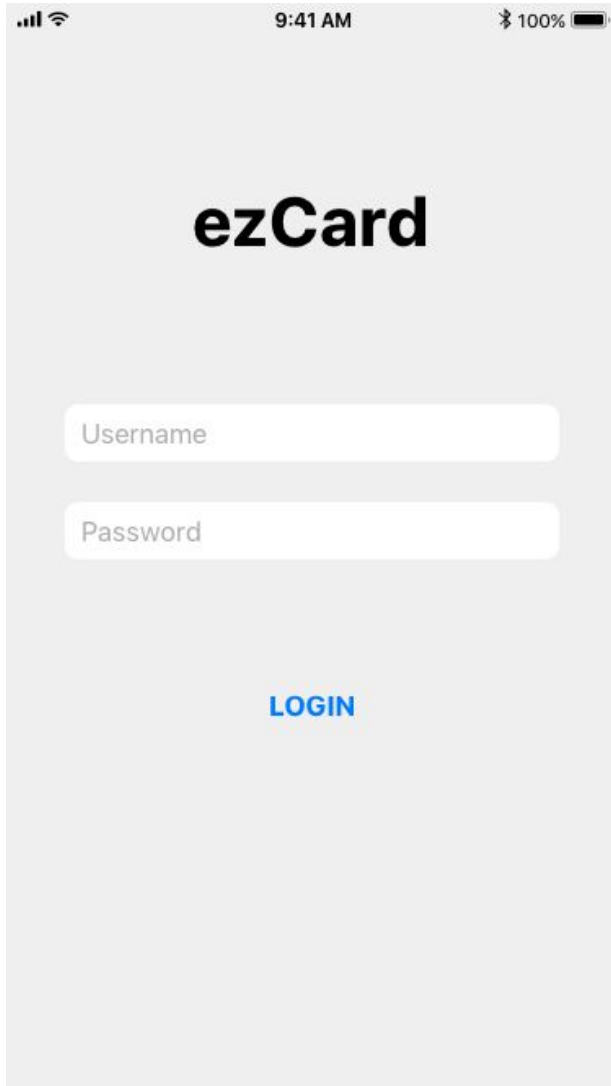# ezCard

Group 6

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Overall View Flow

      The visual above depicts the overall view flow from view to view of the app. This gives a complete mapping for the initial design of the app, and helps to consolidate and depict all of our views in one page. The arrows define the button press which leads to the view switch to the appropriate page / view.

Login Screen

The login screen for the ezCard is simple, concise and clear. Currently, it only contains the username text field, password field, and a login button for easy usage. It could be modified in the future to contain more options such a "forget your password" button, etc.

- Operations
  - **Username Field** - To type username
  - **Password Field** - To type password (will be censored)
  - **Login Button** - After pressing login button, users will be directed to the home page (see pg 4).
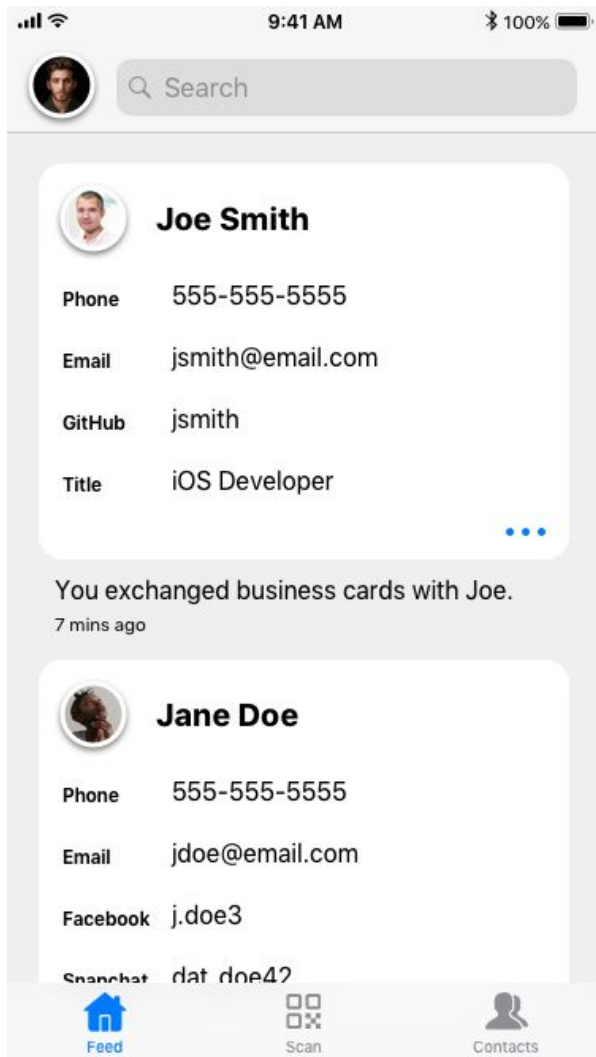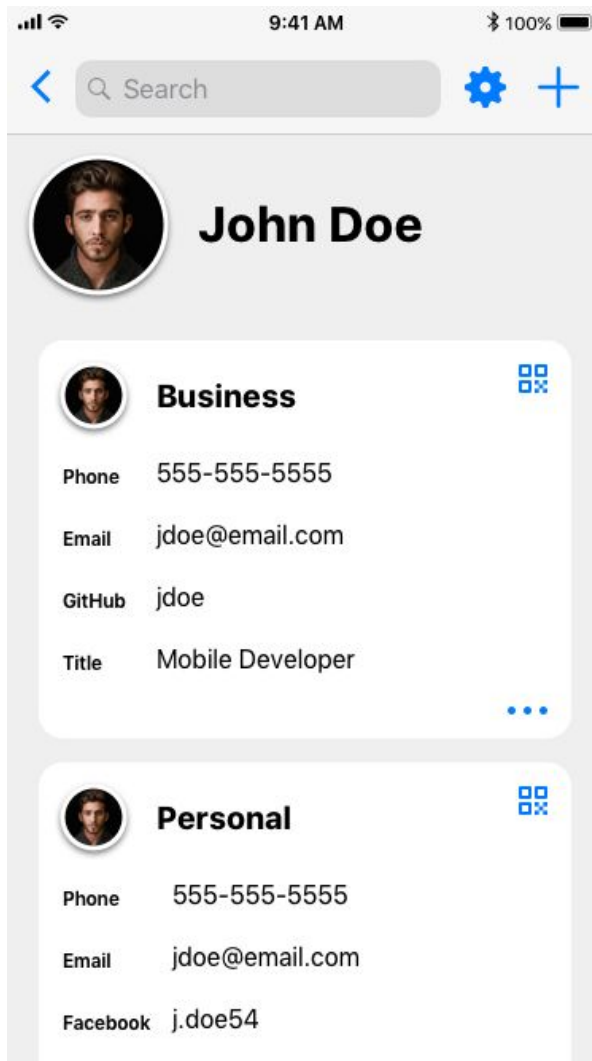
Home Page

The home page consists of a live feed of activities that the user has performed with the app. The feed is scrollable and is sorted by most recent activity. Activities range from adding of contacts, messages from and to contacts, updates to contact's information, and possible activities that contacts share or do.

- Operations
    - **Profile Picture** - Users can click on profile picture to bring up his or her own profile page (see pg 5). Users can edit profile from the settings page.
    - **Search Bar** - Users can type in contact name to search contacts from search bar (see pg 9). This will be a subset of the full contacts list. Currently the search bar can only search contacts and nothing else.
    - **Ellipsis Button** (on Name Card on Feed) - Users will be able to click the ellipsis on the bottom right of the name cards shown on feed. This will bring them to the name card page of the selected person (see pg 10).
    - **Home Feed Button** - Brings user back to home page (which is this page)
    - **Scan Button** - Brings up camera app to scan a QR code. QR codes are the main way people exchange ezCards.
    - **Contacts Button** - Brings up page of all ezCards (see pg 9)

4

Personal Profile Page

The personal profile page is accessed by clicking the user's own profile picture from the home page (see pg 4) or the contacts page (see pg 9). From here, the user can edit their general profile to add a profile picture, phone number, email, etc.

The user can also create distinct ezCards, choosing what general profile information they want to make available on each card. This is also the main page to share their ezCard to others.

- Operations
  - **Settings Button** (Gear Button) - Clicking leads to Edit Profile page (see pg 6) which allows user to modify personal information of the user's own profile.
  - **Add Button** - Clicking leads to the Add Card page (see pg 7). Enables users to add an ezCard with the general information they want to include in the card.
  - **Share Button** (on individual ezCard) - Clicking leads to a generated QR code for other party to scan to receive the user's preferred ezCard (see pg 8).
  - **Ellipsis Button** (on individual ezCard) - Clicking leads to Edit Card page (see pg 7) to edit the selected ezCard.

Settings Page

The settings page is accessed by hitting the settings button on the Personal Profile page (top right corner). On this page, you add all of your personal information like your name, phone number, email, social media, etc. You will be able to pick and choose which information from the settings page you can put onto a ezCard (page 7). For example, if you add your phone number on the settings page, the phone number will appear on the Add/Edit Card page (page 7).

- Operations
    - **Logout Button** - This button will log you out of your account. There will be an alert to confirm that you want to logout. This will bring you back to the login page (page 3).
    - **First Name, Last Name, Company** - This is where you type your name. First and Last names will be required.
    - **Add phone, email, url, etc buttons** - When you click on these, you will be able to add any personal information that you like. For phone, a numpad will pop up while a keyboard will pop up for the rest of them. Going back will save all changes.

Add/Edit Card Page

This page is accessed by hitting the + on the top right of the personal profile page or "..." section on the bottom right of any card on the personal profile page (page 5). From here, you name the ezCard and select which information the card will give to others. In the picture's case, only your name, email, and company will be revealed when you share this card.

- Operations
  - **X Button** - This will cancel creating or editing the card. Goes back to Personal Profile Page (page 5)
  - **Check Button** - This will confirm the creation/editing of a card. Will stop you if you do not have a card name or at least one bit of information checked. Goes back to Personal Profile Page (page 5).
  - **Card Name Input** - This is where you input the name of the card. This section is required.
  - **Information Selection Table** - This is where you select what information will go on the card. Selected information will have a check mark by it. At least one must be selected.

Generated QR Code for Business ezCard

This diagram shows the generated QR code for the Business ezCard if the share button (see pg 5) for that ezCard from the profile page is clicked. Generated QR code is a unique, one time use QR code so that people cannot misuse the sharing of ezCards, and so that the ezCard is only given to one intended party. Every party wanting the ezCard will have to scan a newly generated QR code to receive it.
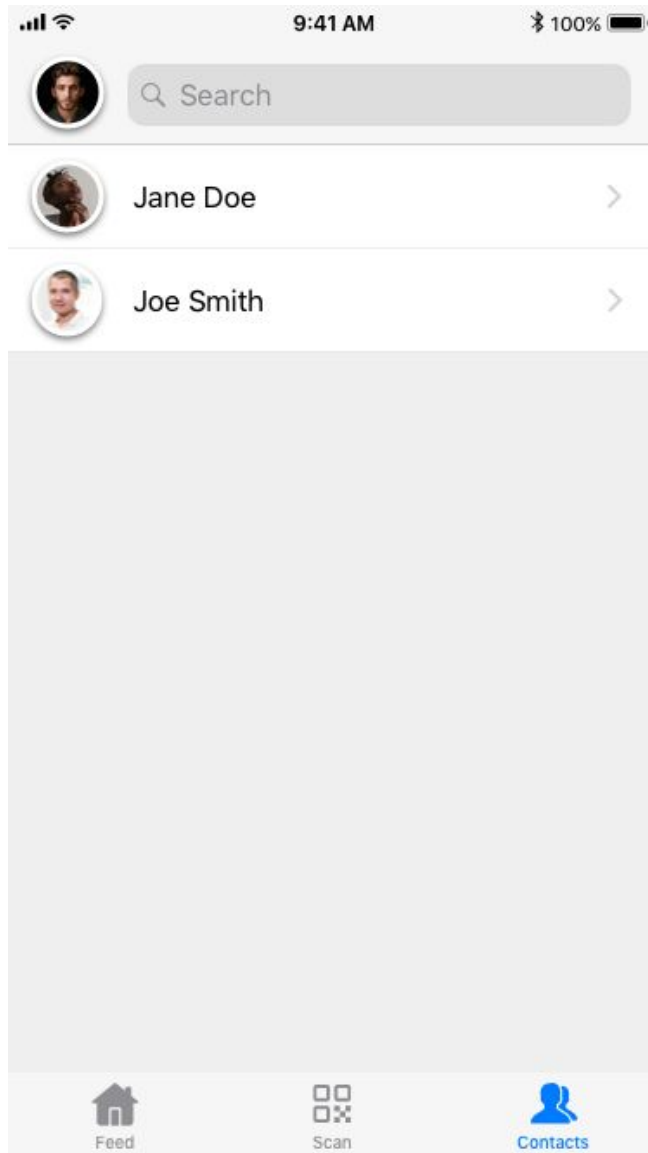
Contact Page

Accessed through the Contacts Tab Button on the bottom right. This page lists all of your contacts. You can view their information by selecting their names. There will be a search bar at the top so you can find a contact easier. You can also view your own ezCards by clicking on your profile picture on the top left. The bottom of the screen has a navigation bar that can take you to the Feed Page and Scan Page.

- Operations
    - **Personal Profile Page button** - This will take you to the Personal Profile Page (page 5).
    - **Contact Table** - Lists out all contacts. Clicking on one of the rows will give you that contact's information. This will take you to the contact information page (page 10).
    - **Feed Tab** - This will take you back to the Feed Page (Page 4).
    - **Scan Tab** - This will take you to the scanning page, where you scan other people's QR codes (page 11).
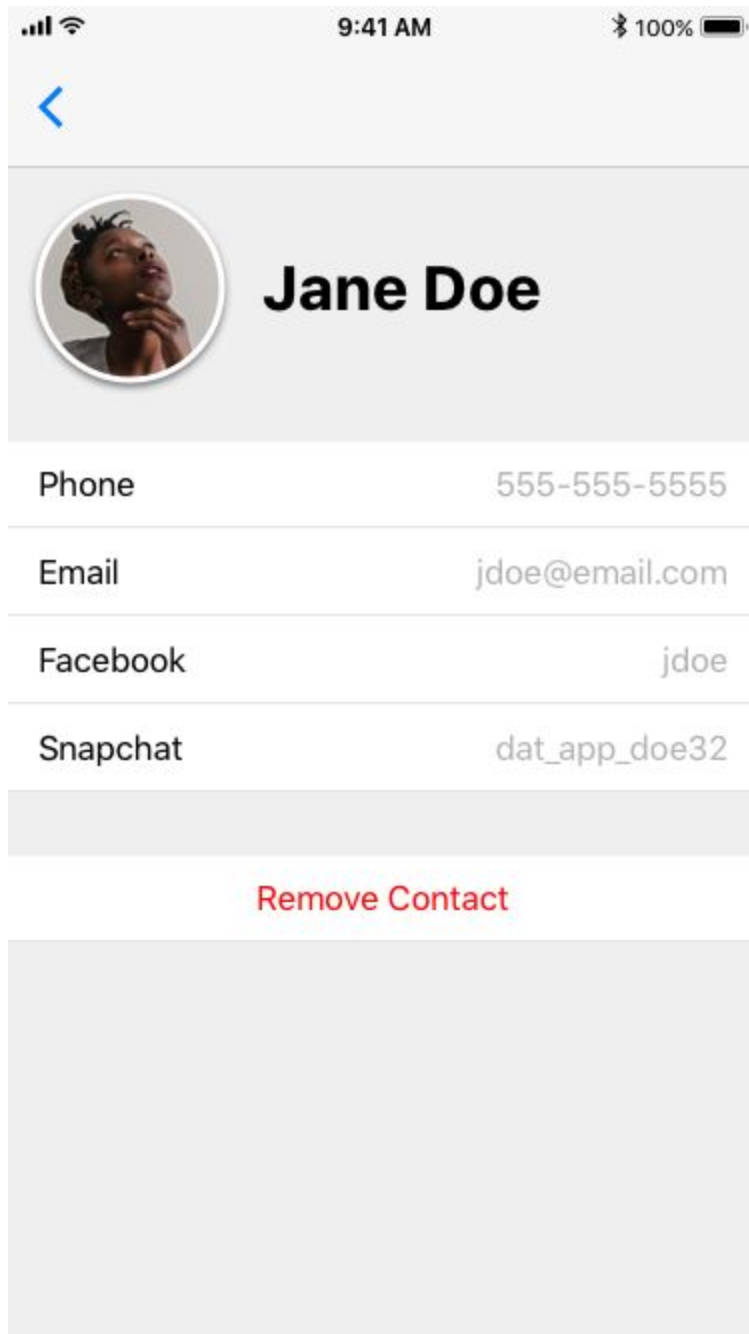
Contact Information Page
This page will display all of the information related to every unique individual in the contact list (as displayed on page 9). This page can have any information that the other user has selected to share with you. This includes, Phone, Email, Facebook, Snapchat, Address, Company, Linkedin, Resume, etc. We will also display the contacts profile picture next to their name. Lastly, this page will have a remove contact feature which allows you to delete contacts from your contact list.

- Operations:
  - View: view all of the users contact information that is shared
  - Delete contact: Removes the contact from the current users contact list
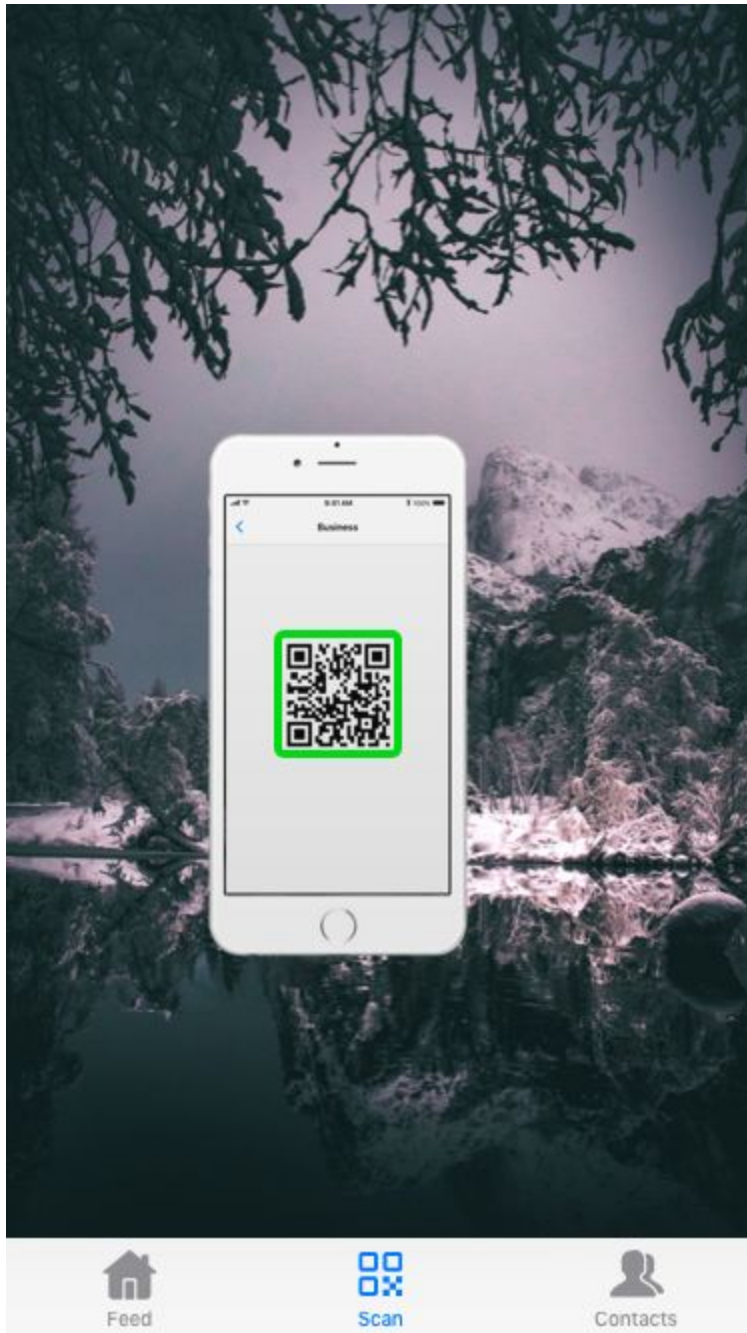
QR Scan Page

This page is accessed by hitting the scan tab on the bottom navigation bar. This page will display a QR code, that can be scanned using the application to transfer contact information from one users account to another. This feature will make it quick and easy for users to share information, without them having to go in and manually type everything in. This is another reason why it is important to let the users select what they want to display on their profile (such as Facebook, Snapchat etc) so that they only share information they are comfortable giving out to other users. As mentioned before, this QR code will be unique so that the sharing capability is not abused.

- Operations:
  - Scan: users can scan the QR code to easily transfer/obtain contact information.
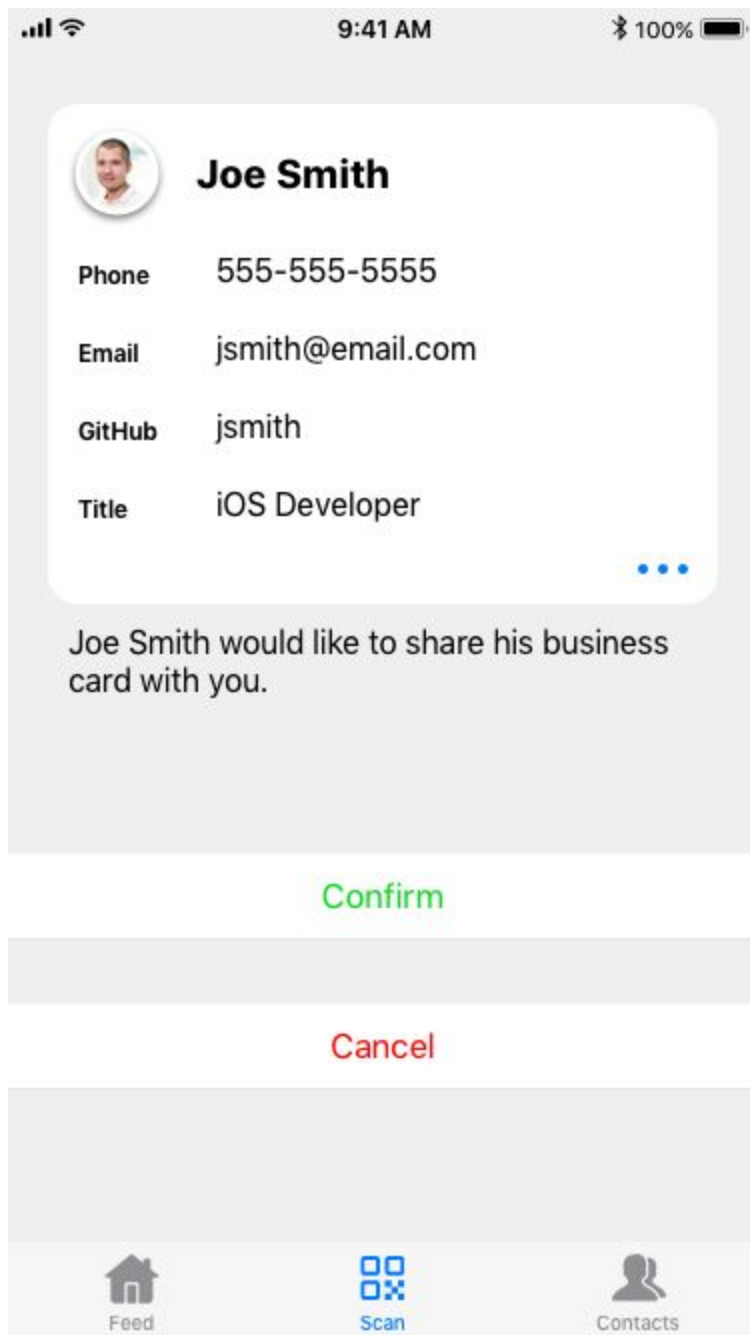
Scan Confirmation Page

Once a QR code is scanned, this page automatically pops up. The user can confirm or deny the scan to ensure that the correct card/information was scanned.