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Group 1

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Group Members:
- Nathan Chapman
- Svyatoslav Ilinsky
- Songting Cindy Wu

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Application Description:
- Group Chat
- Aims to combine the functionality of several existing products into one platform
- Users can create and join public, private, and proximity channels. Within these channels, users can create various topics and communicate with other users about them.

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Target Audience:
Our target audience consists of students, professionals, and people seeking social connections.

- Communication in classroom/team settings (Q&A)
- Find people with common interests
- Simple group messaging (both public & private)

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Application Functionality:

- **Login/Register**: Users can login and register with <u>username</u> and <u>password</u> or <u>Facebook</u>
- **Settings**: Users can change: <u>Text Size</u>, <u>Color Scheme</u>, <u>Auto Night Theme</u>, and the <u>Sorting method</u> of Channels & Topics
- **Edit Profile**: Users can change their <u>email</u>, <u>username</u>, <u>profile photo</u>, and <u>password</u>
- **Channels**: Users can create <u>Private Channels</u> which require <u>QR code</u> or password, create <u>Proximity Channels</u> which are geofenced / Wifi Network restricted, and create <u>Public Channels</u> that are open to everyone. Users can browse and join Public and Proximity Channels
- **Topics**: Users can add a new <u>Topic</u> within a Channel and tap on a Topic to start chatting. Users can share <u>photos</u>. Users can share their <u>location</u> with each other on a map within Private Channels
- **Sorting**: Users can sort Channels & Topics by <u>Creation Date</u> or <u>Popularity</u>
- **Notifications**: Users can <u>subscribe</u> to or <u>unsubscribe</u> from notifications for a Channel/Topic

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Application Challenges Experienced:
- UI design choices:
  - Sorting button location
  - Dark theme colors
  - Text size changer as a slider or text field
- Functionality choices:
  - User needs to automatically join a channel when he creates it
  - Does user prefer to have default photo or create one when registering?
- Development challenges:
  - Learning JSQMessages library and implementing on top of it
  - Working with Firebase
  - Getting around pushing notifications
  - Testing Automatic Night Theme relative to time

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Group Member Contributions:
- Nathan Chapman
  - Settings
    - Edit Profile (Email, Username, Password)
    - Dynamic Text Size
    - Themes (light, dark)
    - Accent Colors
    - Segmented Control for sorting Channels & Topics
    - Set profile photos
  - Sharing photos in chat
  - Login/Register with Facebook
  - Auto Night Theme
  - Join a Private Channel with QR code
  - Debugging and Testing

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Group Member Contributions:
- Svyatoslav Ilinsky
    - Firebase Integration
    - Login/Register with Email
    - Create Public Channels
    - Join Public Channels
    - Create Private Channels
    - Join Private Channel with password
    - Add New Topics
    - Sharing location in Private Channel chat
    - Debugging and Testing

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Group Member Contributions:
- Songting Cindy Wu
  - Integration with JSQMessage
  - Basic Chat View Controller
  - Messaging function
  - Sorting Channels by Date and Popularity
  - Sorting Topics by Date and Popularity
  - Debugging and Testing

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Login Screen:
- Users can register/login with username and password or just use their Facebook
- Segmented Control let's you control whether you're logging in or registering

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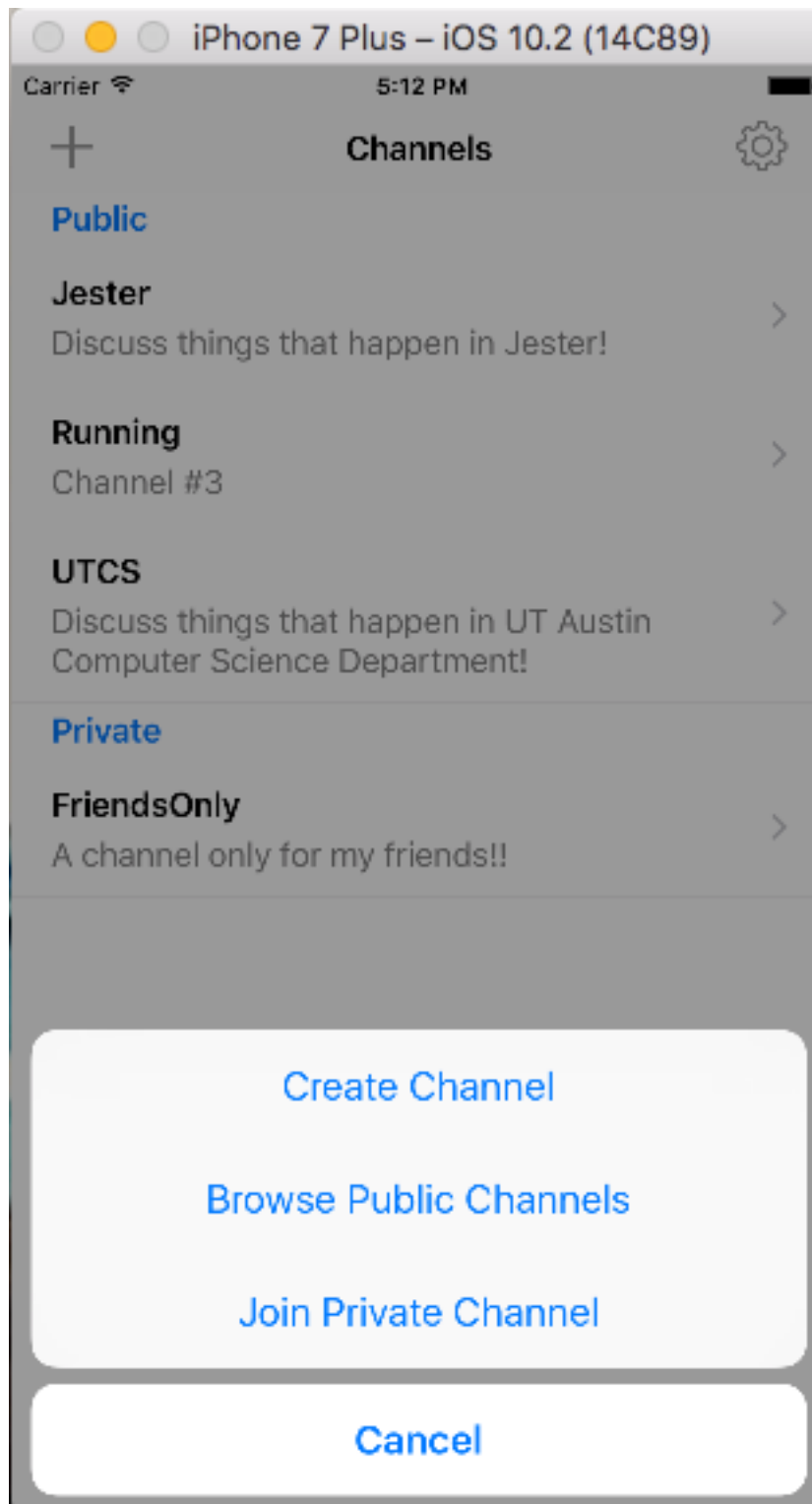
Home Screen:
- Lists the Channels the user is currently enrolled in
- Press the + button to have the option to create or join more Channels
- Channels are separated by type (public or private)
- Channels are sorted by Date or Popularity
- Press Settings gear will take you to the settings screen

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Create Channel:
- Create Public or Private Channels
- Specify Channel Name and Description
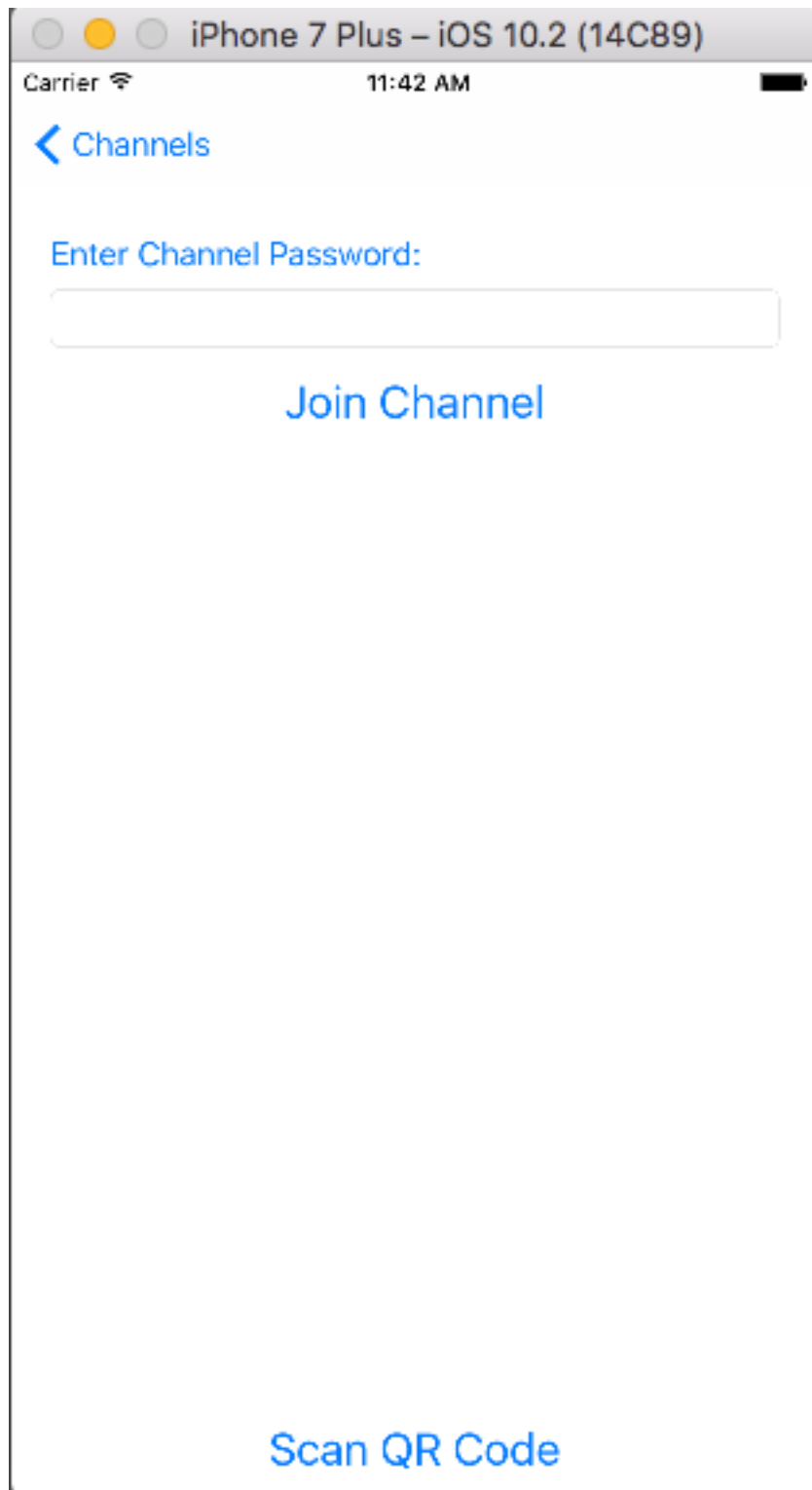- Segmented Control UI to switch between the 2 options

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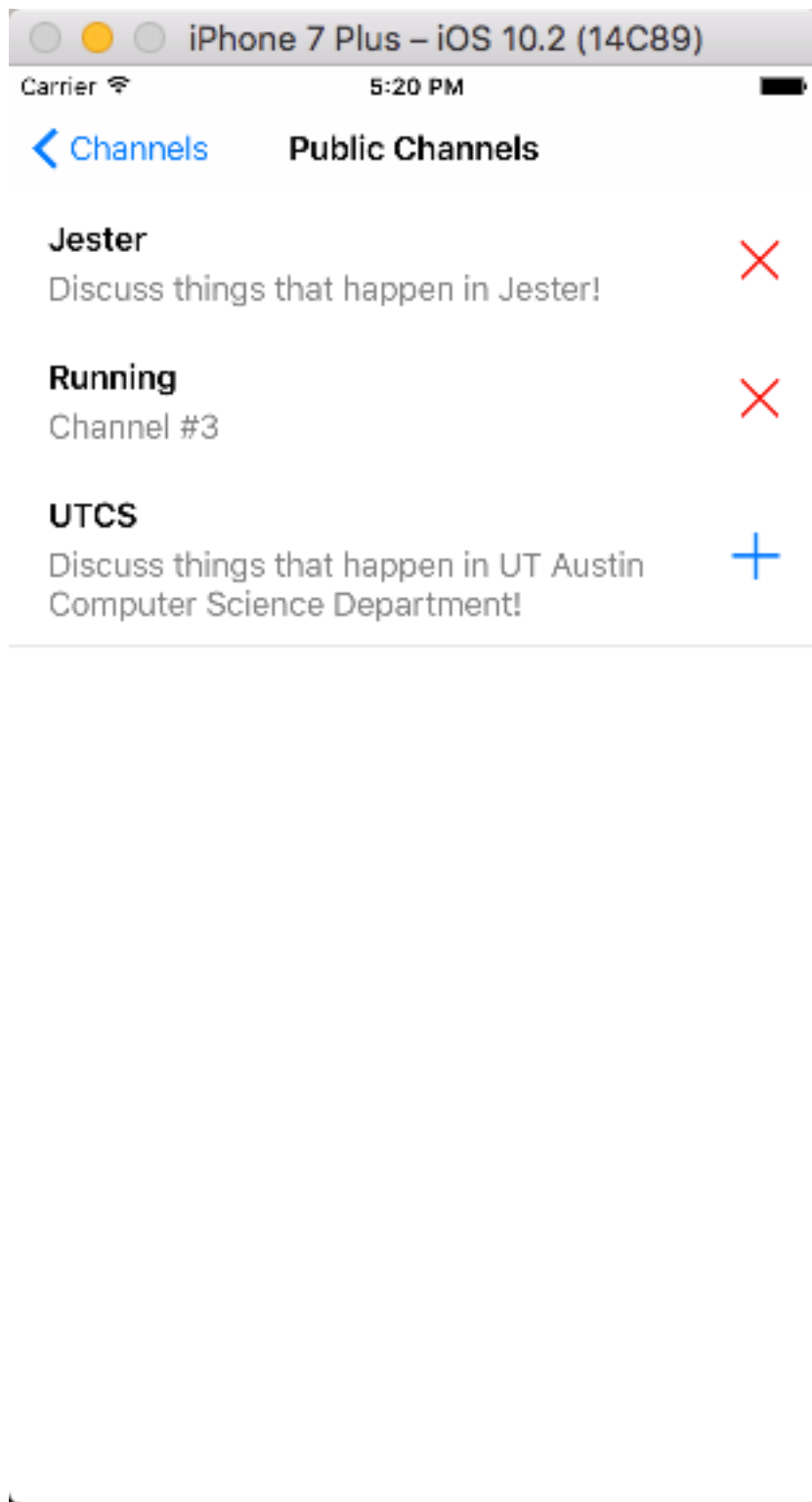
Browse Public Channels:
- Displays a list of available public channels to join
- "X" means you've joined the Channel
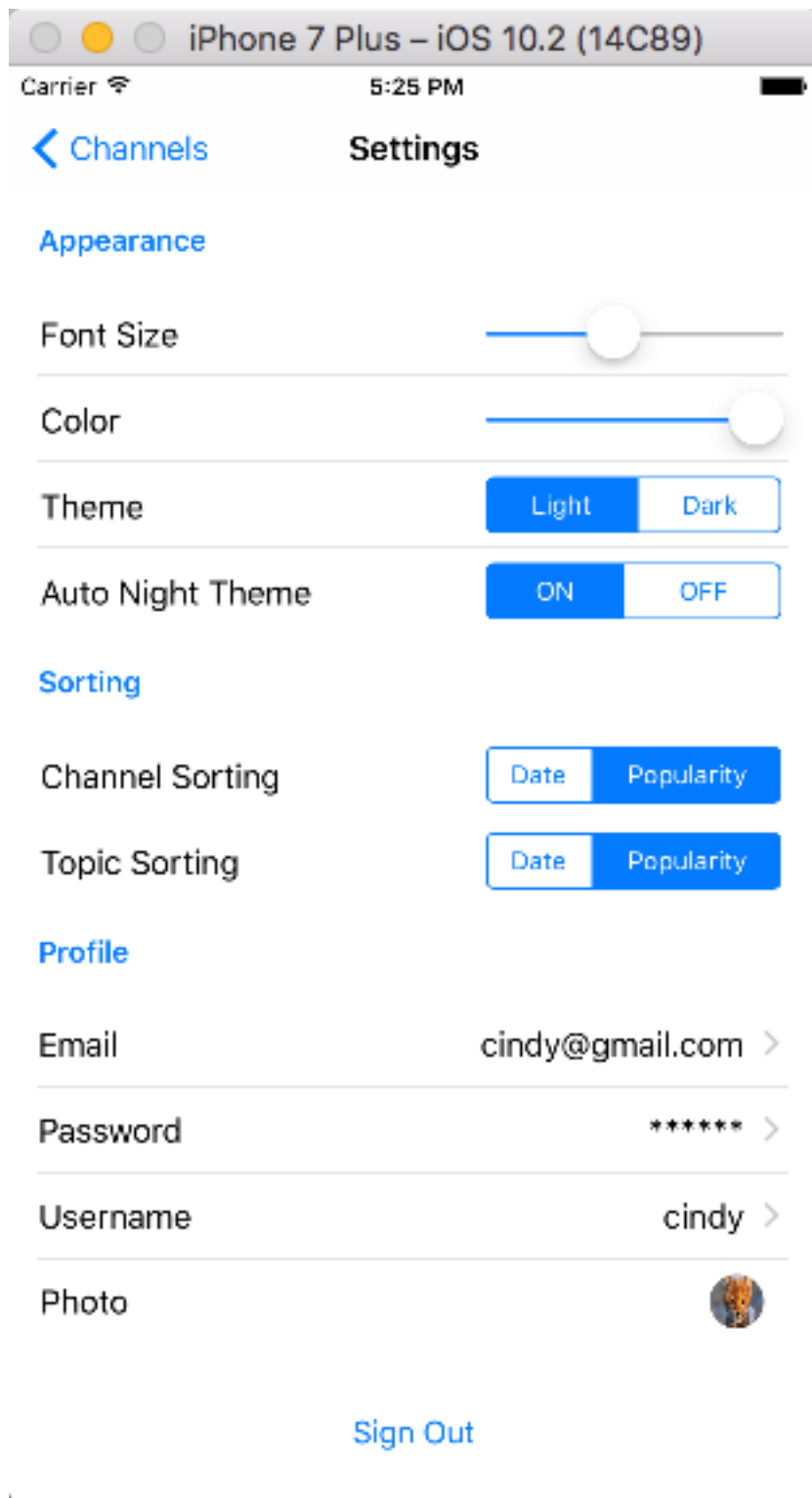- "+" means the Channel is available to join

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Join Private Channels:
- Two options:
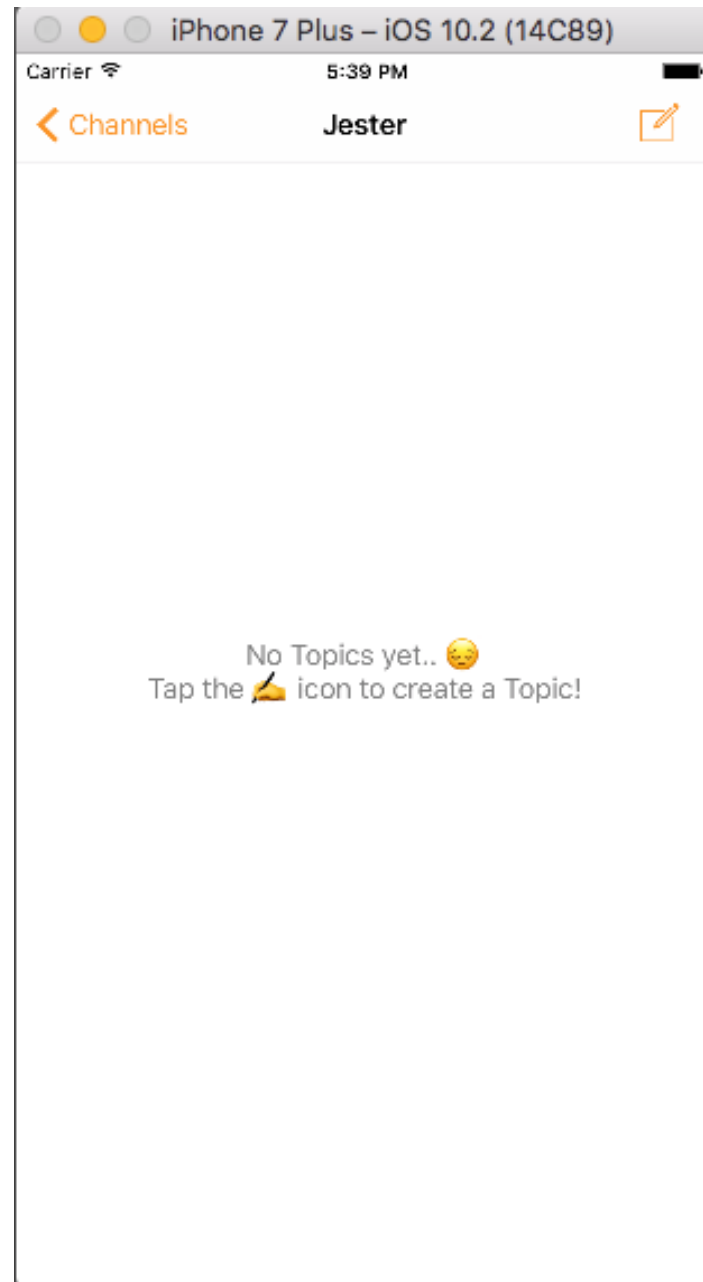   - Enter password
    - Scan QR Code

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Settings:
- In the Appearance section, you can change font size, choose text colors, change color scheme (light or dark), and switch auto night theme on or off
- In Sorting section, you can choose which option to sort both Channels and Topics
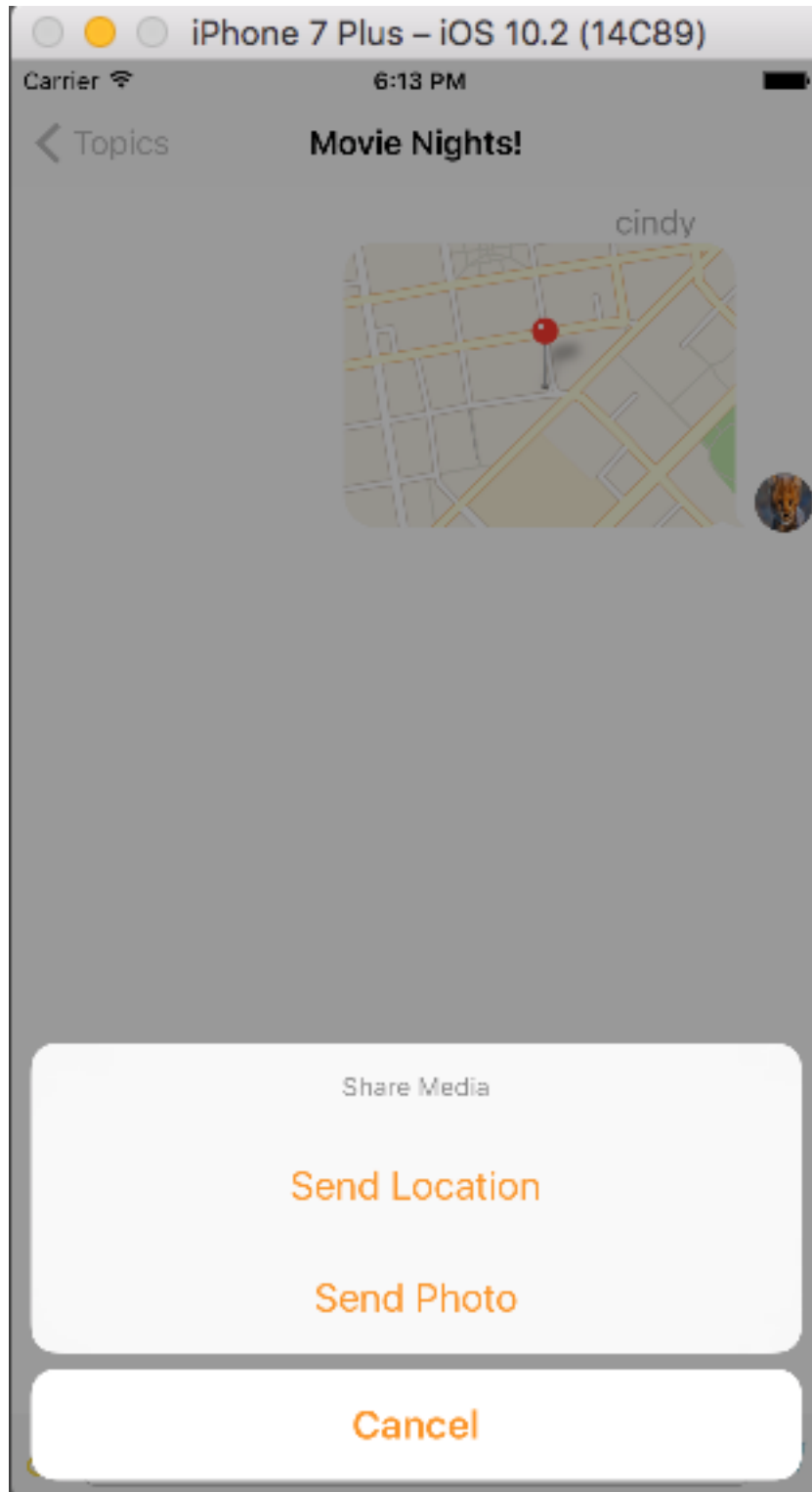- In Profile section, you can change your email address, username, password, and photo
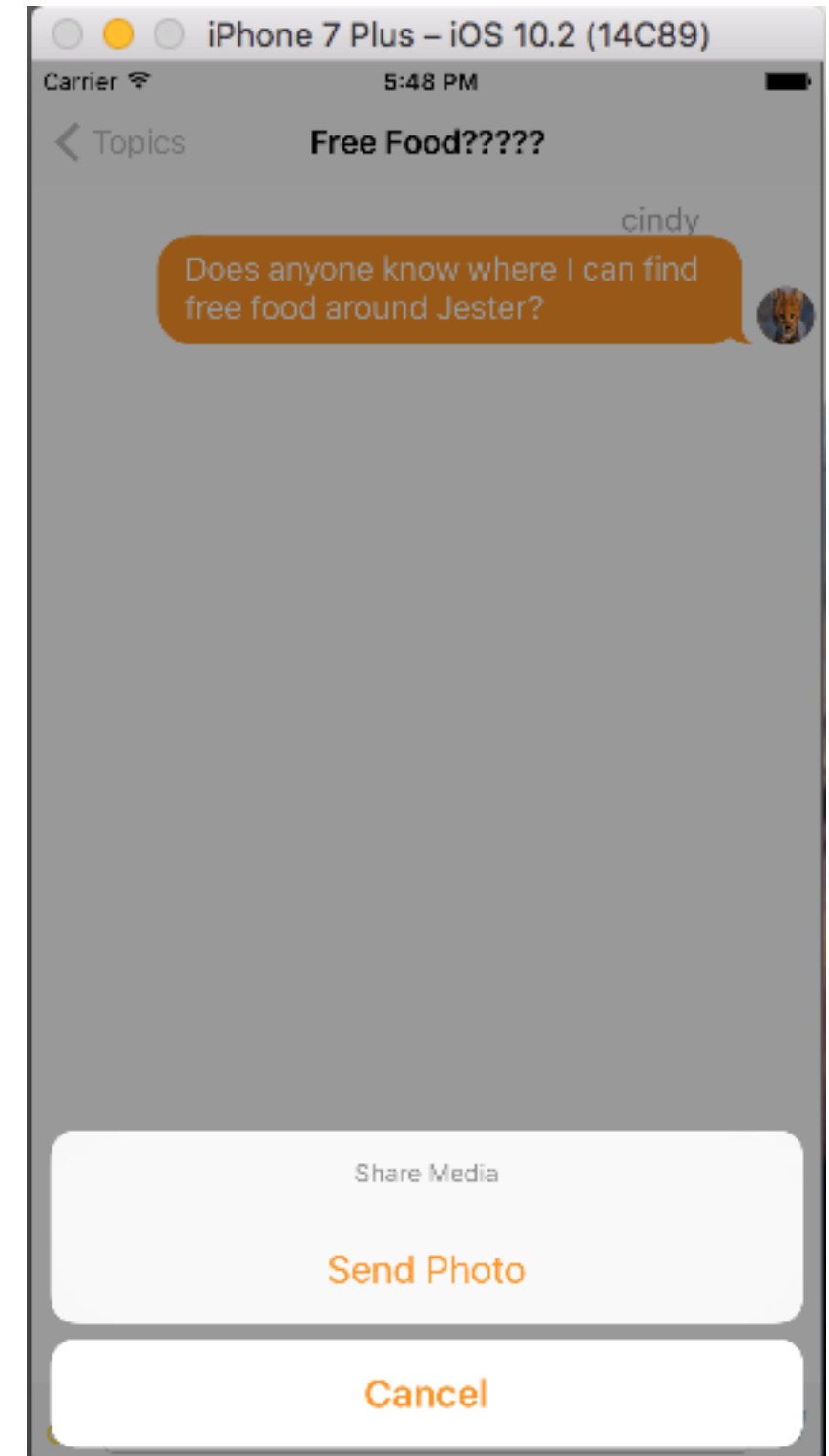
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Touch on a Channel to view its Topics
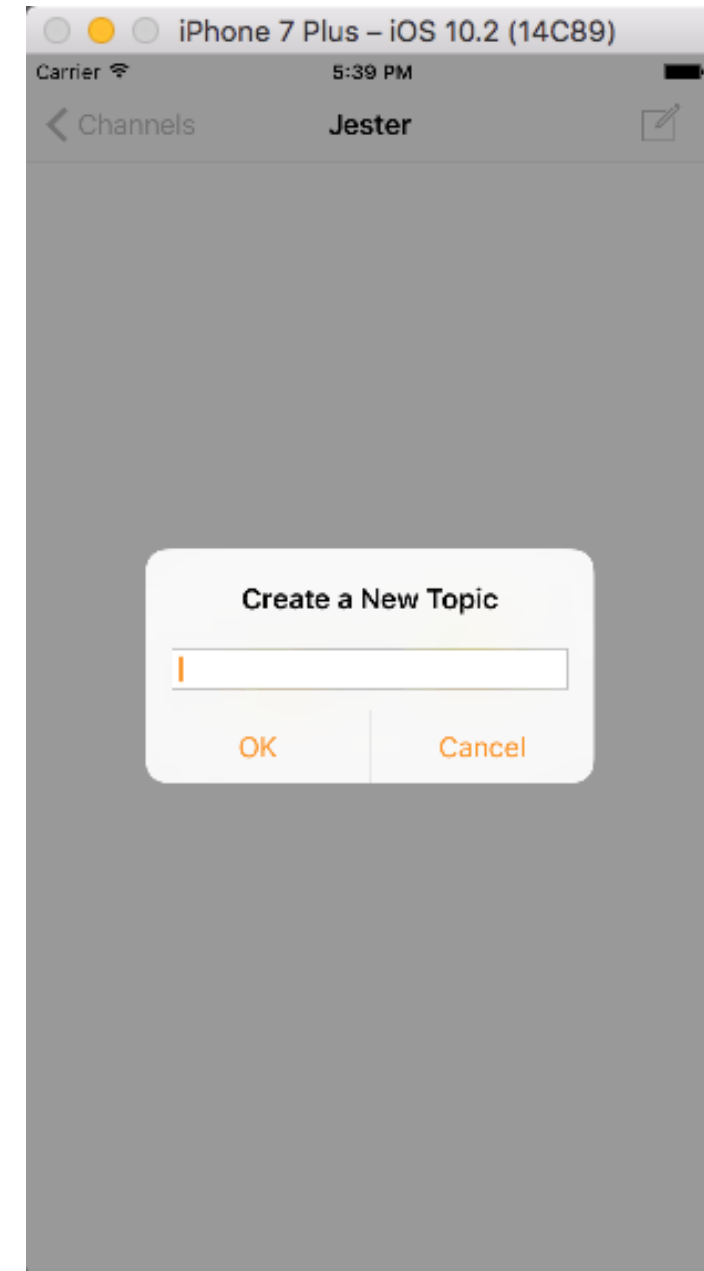
Press the "note creation" button to create a new Topic

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Chatting:
- Press the accessory button to send images or share locations
- Can only share locations inside Private Channels

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It's Demo Time! :)

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Questions & Answers

Thank You For Listening!