

EventBook

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EventBook is a social application where users can login and post events to invite other users. Anyone can see the posted events and can save them to be interested in them, or they can register to be attending them. The users can login/signup with any email account and also using their google accounts.

Users that posted the events can also edit and delete the events and can attach an Event Base image that is displayed in the events list screen.

The application contains 4 major activities

1. **SplashScreenActivity:** This is the intro activity that is shown and it directs users to the login/signup UI where they can sign up or login to the application.
2. **MainActivity:** This activity displays the list of the events in a recycler view and also shows the navigation drawer to allow the user to go to other activities.
3. **EventDetailActivity:** This activity has two separate fragments that are shown on the screen dynamically i.e -
 - a. EventAddFragment: This is shown when a user launches the EventDetailActivity with an intent to add/edit an event.
 - b. EventViewFragment: This is shown when the user launches the EventDetailActivity with an intent to view an event.
4. **SettingsActivity:** This is the settings activity where users can edit their display name and also the email address that they use to login.

Major Features:

1. Firebase Authentication
2. Firebase RealTime Database
3. Firebase Storage
4. Device Camera and Image Capture
5. Device location
6. Google maps and Location
7. ShareIntents (Share events as text across applications)
8. NFC Sharing
9. Internet

10. Google AdsMob

11. Device Calendar

When ever users post an event, they are also allowed to save the event in their device calendar.

For efficient loading of images in the recyclerview, the application uses the **GLIDE** library to load images from the firebase storage and display them in the scroll list.

For login /sign up UI, the application uses the **Firestore Auth UI** to allow users to login / sign up to the application.

TODO:

1. Notifications for the user that posted the event when any user registers to attend the event
2. Integrate a payment option in case some events require purchasing tickets
3. Sign up emails
4. More information in the user profile such as profile pictures, bio's
5. Search option to allow uses to search for events
6. Event types: Specify events based on a specific type such as Educational, Business, party, Social etc
7. Improve maps to display path between event and user