# Unit Testing

## Modules

### User
- Constructors properly set all fields available.
- setUsernameFromEmail(String) sets the username to the prefix of the email. For instance: "myemail@example.com" -> user.username == "myemail".

### SignInActivity
- Properly performs Google Sign-in.

### ProfileActivity
- Displays the queried user's band name, profile pic, about info, genre, music, gigs, and music.

### BandListActivity
- Displays the correct user's profile when tapped on.
- Properly signs the user out when 'Sign Out' is selected from the three-dots menu.

### BandListAdapter
- Properly fills BandList with a list of registered bands, and expands whenever a new band is added.

### MusicTabFragment
- mediaPlayer is pulling the correct audio files
- mediaPlayer functioning properly (playing audio)
- firebase data retrieval works and is pulling the correct files and filenames for their respective user.
- Correct views are being pulled in their respective viewgroups to properly form layout.

### MusicUploadActivity
- Ensure that a list of mp3 files in a list view from the user's phone is retrieved and displayed
- Mp3Filter class searches all the files that end with .mp3.
- A textview is displayed showing the selected mp3 file when the mp3 file is clicked on the list view.
- Ensure that the selected mp3 file is sent to the database  and storage when the submit button is clicked.
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### PhotosTabFragment
- Retrieves and displays the photos submitted by the user in a grid by using the recyclerview in the PhotoFragment
- The FirebaseRecyclerAdapter populates the views using the photos from firebase database and storage.
- Picasso loads the image uri from the database and sets the imageview.

### GenreTabFragment

-Ensure that list is displayed
-Ensure that "Add Button" uploads edit text value to database
-Ensures that added editText
-Ensure that edit text field clears after an addition
-Ensure that presses a text on the list is deleted from the list
-Verify keyboard closes when switching tab

**AboutTabFragment**

-Make sure that "Edit" Button makes editText editable, so that user can change their bio
-Ensure "Save" Button saves the Bio text, makes it uneditable, and uploads it to database
-Verify keyboard closes when switching tab

**GigsTabFragment**

-Ensure that list is displayed
-Ensure that "Add Upcoming GiG" Button" uploads edit text value to database
-Ensures that added edit Text is shown on list
-Ensure that edit text field clears after an addition
-Ensure that presses on a list item delete that list item from view and database
-Verify keyboard closes when switching tab