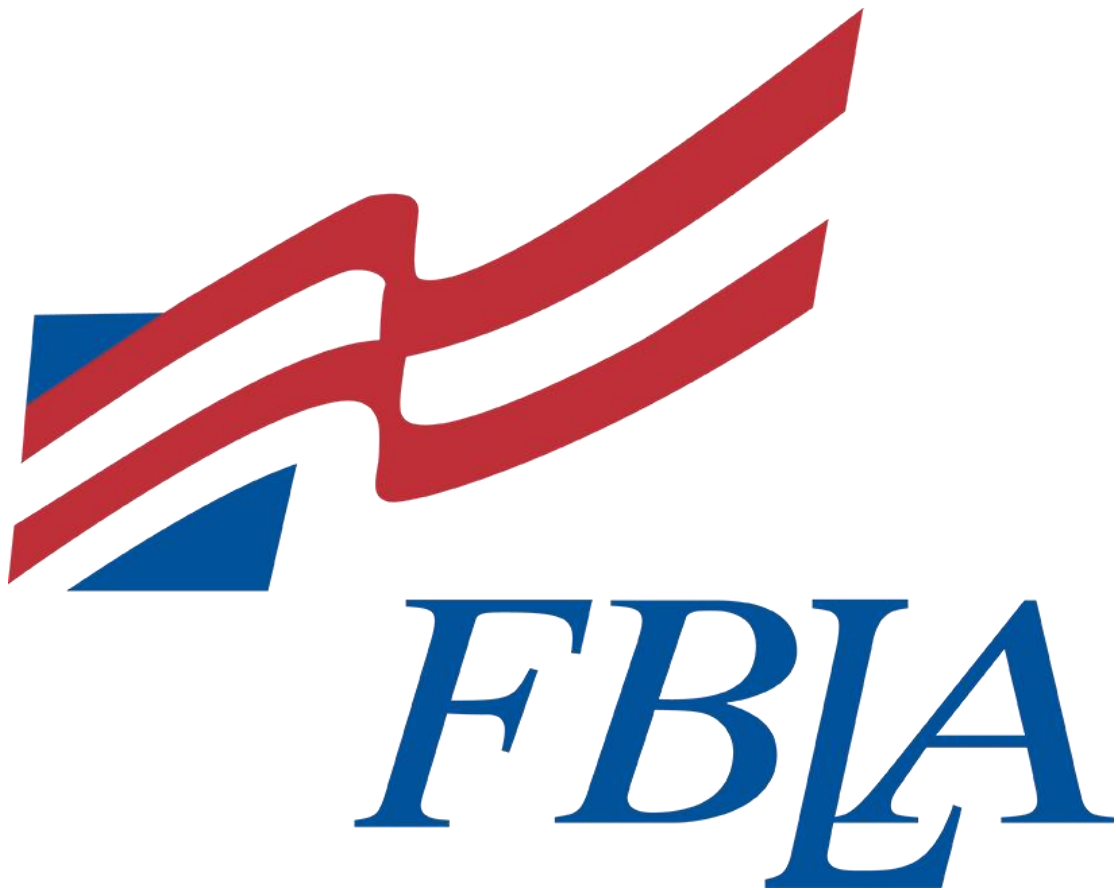# Tomely Source Code Structure
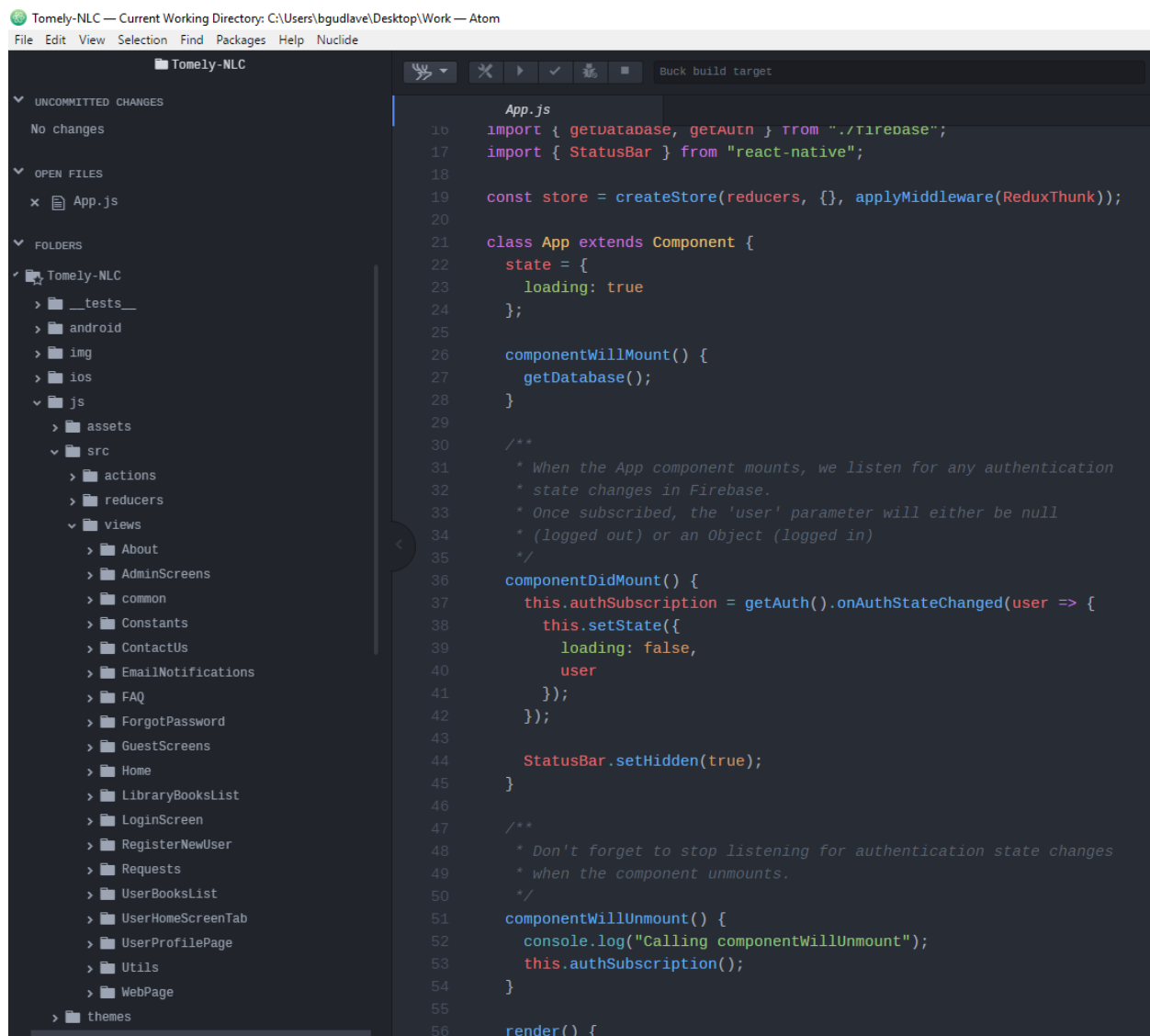
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**FBLA 2017 -2018 Mobile Application Development (NLC Submission)**

# Tomely Source Code Structure

This document provides brief description of the source code structure and how each file is related to the Tomely mobile app. For easier maintenance of the source code and simplify future enhancements, the team followed a coding structure by breaking the code according to the different components of the application. For example, the Login functionality is created as a component LoginScreen and its specific code resides in the LoginScreen folder under the views. All the styles related to a screen are maintained in the **styles.js** within the specific folder.

Below is a screenshot of the Tomely source code opened in Atom IDE:

## Details of the Source code structure

**Tomely/**        → Application folder created using react-native init

**img/**        → Folder for storing icons, logo, background images, map images etc

**index.android.js**        → Starting file for react-native to launch the application and points to js/App.js

**js/**

    **App.js**        → Application startup file. This is also the point where in Tomely initializes its database connection with google-firebase.

    **AppNavigator.js**        → Code that handles the screen navigation and points to Home/index.js as the startup page.

    **src/**

        **actions/**        → All firebase database Add/Mod/Delete functions

        **reducers/**        → Firebase database reducer functions

        **views/**        → All the individual components are created under this folder.

            **./About:**        → About Us page

                index.js

                styles.js

            **./AdminScreens:** → All the functionality/features of Admin

                AddBooksFormData.js

                AddUserFormData.js

                UserBooksActivity.js

                UserProfileDetails.js

                UserProfileDetailsEdit.js

                addBooks.js

                addUsers.js

                index.js

                listBooks.js

                listUsers.js

                manageBooksTab.js

                manageUsersTab.js

                requestsTab.js

                styles.js

            **./common:**        → Common functionality displayed in Home Page Carousel View

BooksCarousel.style.js
SliderEntry.js
SliderEntry.style.js

**./Constants** → Constant variables used across the application

constants.js

**./ContactUs:** → All the functionality/features of Contact Us page

index.js

styles.js

**./EmailNotifications** → Functionality related to send email notifications when the user checked out a book, reserved a book, checked in a book or a system generated email reminder when a book is due within 7 days or past overdue.

Index.js

**./FAQ:** → All the functionality/features of FAQ page

index.js

styles.js

**./GuestScreens:** → All the functionality/features of Guest pages

GuestBookDetails.js
GuestBooksCarousel.js → Carousel view of books placed in different GENRES
GuestBooksLongList.js
SchoolSelector.js
static/ → Static data to be displayed for Guest access
data/
book_reviews_data.js
ghs_book_data.js
mhs_book_data.js

styles.js
utils/

**./Home:** → All the functionality/features of Home page

index.js

styles.js

**./LibraryBooksList:** → All the functionality/features to display books under browse tab, view details, view reviews and view book location

bookDetails.js
bookLocator.js
bookReviews.js
booksCarouselView.js
BooksHomePage.js → Main home page for Student/Teacher login
booksLongListView.js → Long list view when "All Books" is clicked
index.js
styles.js

userBookDetails.js

**./LoginScreen:** → All the functionality/features to Login page which is common for all user account types.

    index.js

    styles.js

**./RegisterNewUser:** → All the functionality/features to display Register new user page (Sign up page)

    index.js

    styles.js

**./Requests:** → All the functionality/features to displaying the requests submitted by users via the "Contact Us" page.

    CompletedRequests.js

    NewRequests.js

    ReviewedRequests.js

    styles.js

**./UserBooksList:** → All the functionality/features to screens for user login (Student/Teacher accounts)

    AddBookReview.js

    DaysRemaining.js

    UserBorrowedBookList.js

    UserReservedBookList.js

    styles.js

**./UserHomeScreenTab:** → The landing page when user (Teacher/Student) logs into Tomely application

    index.js

    styles.js

    UserProfileDetails.js

**./UserProfilePage:** → The landing page to display the user profile details on the "Me" tab

    index.js

    styles.js

**./Utils:** → Some utility database functions used across the application

Index.js

**./WebPage:** → All the functionality/features to display the Social connect pages like Facebook, Twitter, Instagram and Youtube when user clicks on those icons. Also, the logic to display Amazon Kindle Preview page is handled in this.

index.js

AddSocialIcons.js

Styles.js