

Implement mobile app to show Events Listing using React Native

Instructions

- Use React Native for this project
- Typescript must be used to generate appropriate types for the components and business logic layer
- Please **avoid using third party libraries** like ramda and lodash.
- For UI elements, you can use react-native-elements or your preferred UI Kit.
- Create a repository and share the results with EMUMBA
- Also share android apk file
- Please create a readme file with steps of how to run the application
- Please [create-react-native-app](#) starter kit.

Requirements

Events Listing Screen:

- Display a list of events, where each list item is a card containing the following information
 - Event title, description, date, type
 - If the meeting has an attached document, then display that
 - Delete and Update Meeting button
- The Events List should be infinitely scrollable.
- There should be a filter on the Event List screen to filter between the types of events
- There should be a “Create Event” button at the top of the list.
- When “Edit Event” is clicked, the user should be able to make changes to the event.
- If there are no events, then show a blank slate message, which says “No events to show yet”.

Events Calendar Screen:

- Display a calendar on the screen and when the user clicks on a date the Events List Section should display all events scheduled for the clicked date, similar to the Events Listing Screen.
- The Events List Section should be scrollable.

Create Events Screen:

- When the user clicks the “Create Event” button, they will be navigated to the Create Event Screen:
 - The event creation form should have the following details
 - Name
 - Description

- Date and Time (DateTime Picker)
- Attach document (FilePicker)
- Event Type (DropDown)
- The Events types are Event, Out of Office and Task (options for the dropdown).
- Validations for the fields
 - Required Fields: Name, Date and Time, Event Type
 - Optional Fields: Attached Document, Description
 - An event cannot be scheduled for the same date/time slot
 - Date/Time should not be before current date and time. i.e. No events should be scheduled in the past
- Create Event button.
- When the event is created, redirect user the Events List Screen.

Overall App:

- The app should notify the user 10 minutes before an event is about to start using local notifications
- Use Local Storage to preserve events list. On load the app should fetch events from the Local Storage

NOTE: **Attach document feature is optional** to implement.

NOTE: Maximum time of completing this assignment is 48 hours.

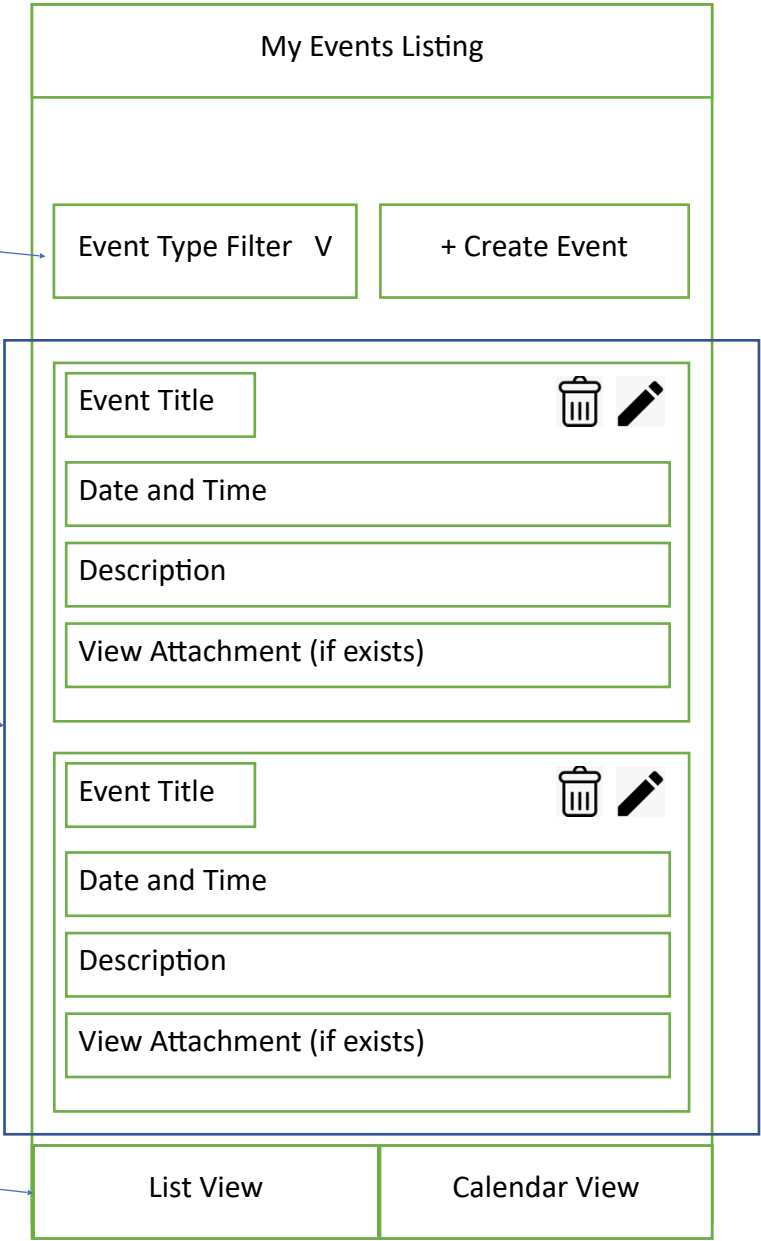
NOTE: Please ensure the code adheres to the best practices for React.

NOTE: Please demonstrate proper Typescript knowledge where required.

Events Listing Screen:

Event Type Filter Options:

- All
- Event
- Out of Office
- Task



Events Listing

- Infinite Scroll
- Should be sorted in ascending order
- Edit/Delete should have confirmation modal

Bottom Tab Navigation

Events Calendar View:

Clicking on a date will show all events for that date. The bottom section will then populate with the events list



My Events Calendar

+ Create Event

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Events list on a specific date

List View

Calendar View

Bottom Tab Navigation



Create Event Screen:

Create Event	
<div>Name</div>	
<div>Description</div>	
<div>Date Picker</div>	
<div>Start Time</div>	<div>End Time</div>
<div>Attachment (Optional)</div>	
<div>Create Event</div>	