

In this assignment, you are required to develop an Android application that manages events at AUB. Each event has a name, a description, and the number of seats available for the event.

### Question 1 (10 points): Database helper class.

Create an SQLite database that includes a table called **Event** with the following attributes:

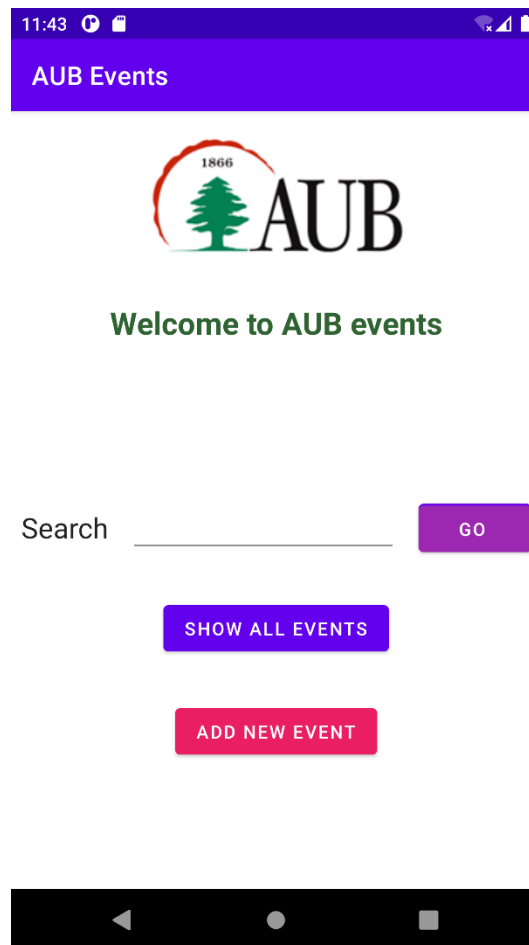
**EVENT (NAME: text, DESCRIPTION: text, SEATS: integer)**

Populate the database with the following records of events:

NAME	DESCRIPTION	SEATS
Meeting	Meeting with the class	30
Orientation	Orientation lectures	15
Sport	Sports event afternoon	150

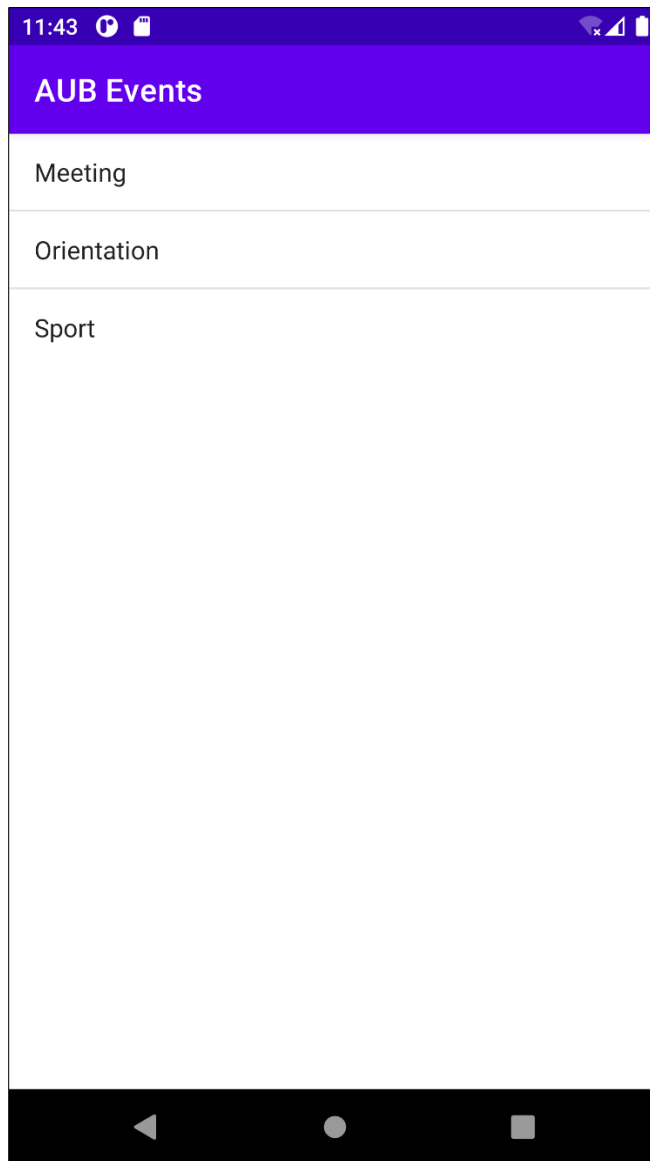
### Question 2 (10 points): Main activity

In the main activity, add the necessary UI elements to the activity to reflect the same design in the image below. You can choose different logos and colors.



**Question 3 (20 points): Show All Events Activity**

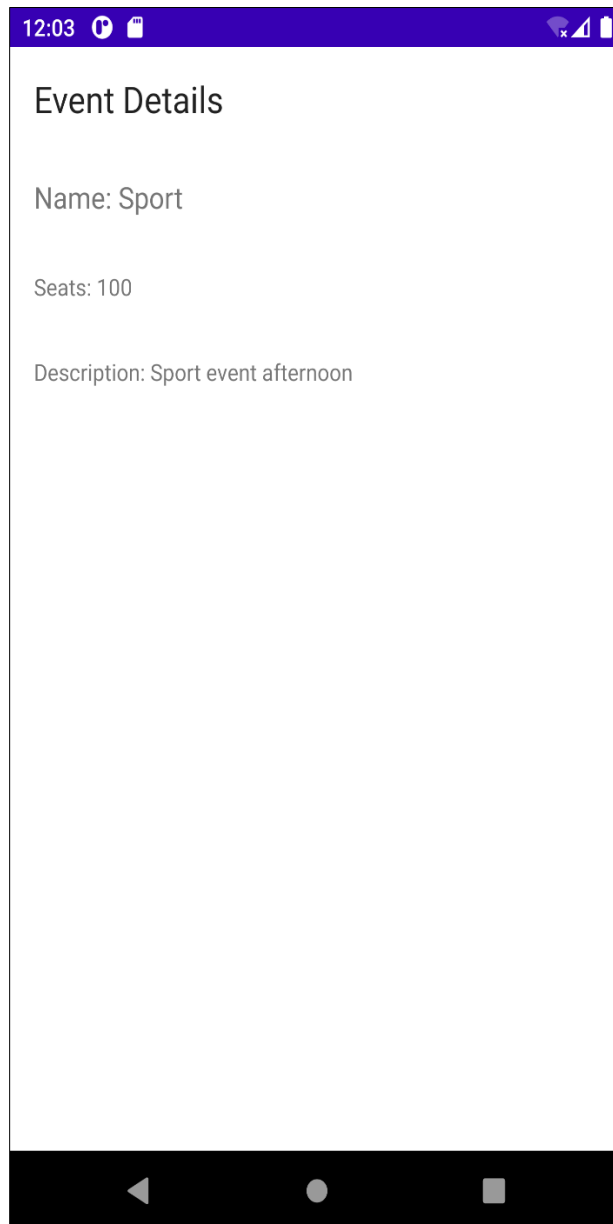
Create another activity and name it **EventsListActivity**. Add the necessary design and code so that when the user clicks on the “**Show All Events**” button in the **MainActivity**, the **EventsListActivity** starts and displays in a **ListView** all the event names in the database as shown in the image below:



#### Question 4 (20 points): Details Activity

Create a new activity and name it **DetailsActivity**, add the necessary design and code so that when the user clicks on a certain event name in the **EventsListActivity**, the **DetailsActivity** starts and displays all the details of the event clicked

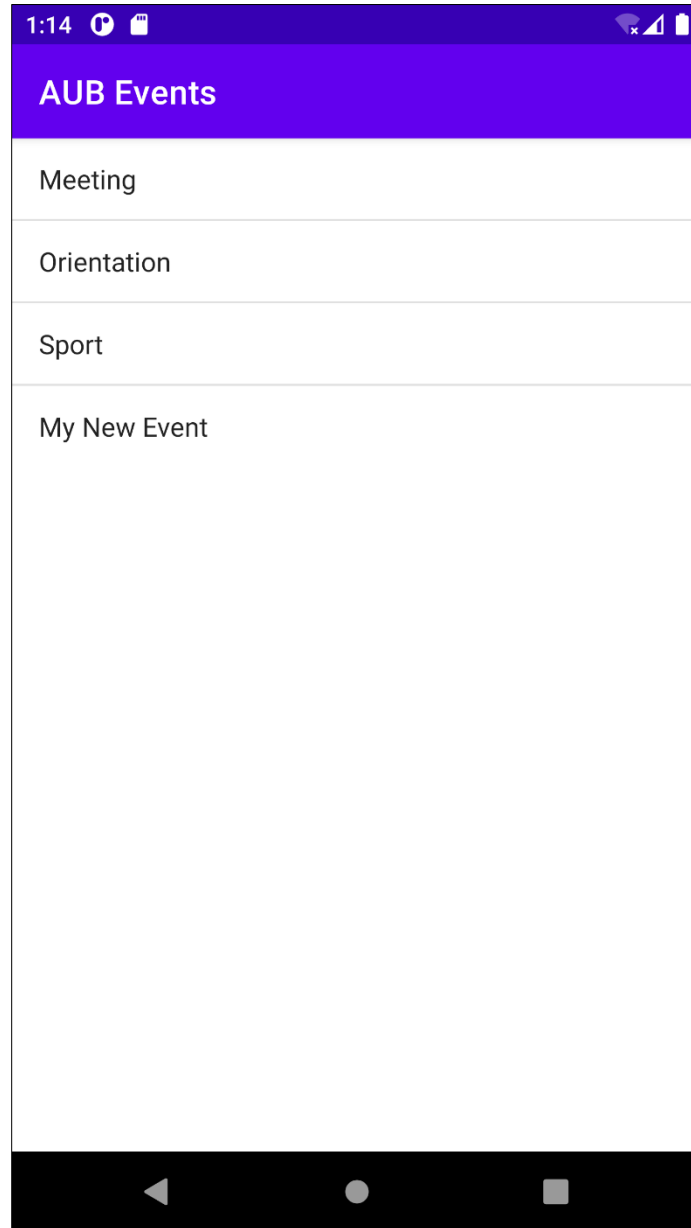
The design must be identical to the below image where for example the event name “Sport” was clicked:



**Question 5 (20 points): Add New Event Activity**

Create a new activity and name **AddNewEventActivity**. The activity starts when the user clicks on the “**Add New Event**” button in the **MainActivity**.

Add the suitable UI elements that allow you to add a new event to the database. After the new event is added, the **EventsListActivity** must start to show the list of events with the newly added one, as shown below in the image where the event “My New Event” was added.



**Question 6 (20 points): Search for an Event**

Add the necessary code so that when the user searches for an event by its name in the **MainActivity** and clicks on the **Go** button, the events with the NAME value that matches the searched value exactly are selected from the database and are displayed in the same activity created in question 3 (**EventsListActivity**) in the ListView.

In case no results were found, the activity shows the text: “**No results were found!**” as shown on the image below.

For example, if we search for the event name **Meeting**, the event will be selected from the database and will be displayed in the **EventsListActivity** as shown in the images below:

