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CS5590 Mobile/Web

ICP 7

**Goal:**

1. Add a Calendar to the activity
2. Project the Calendar to the current date
3. Upon clicking a date, it should be displayed above the Calendar in a TextView
4. Create a Signed APK

**Solution:**

1. I added a Calendar via XML to the View and instantiated the Calendar by ID in the Activity; simpleCalendarView.

CalendarView simpleCalendarView = (CalendarView) findViewById(R.id.*simpleCalendarView*);

<CalendarView  
 android:id="@+id/simpleCalendarView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_above="@+id/create\_eventbut"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="34dp" />

1. To set the current date:

Calendar startTime = Calendar.*getInstance*();

1. And to display the date that was clicked, I created a Calendar.OnDateChanged listener and set the TextView’s text.

simpleCalendarView.setOnDateChangeListener(new CalendarView.OnDateChangeListener() {  
 @SuppressLint("SetTextI18n")  
 @Override  
 public void onSelectedDayChange(CalendarView view, int year, int month, int dayOfMonth) {  
 displayDate.setText("Date: " + (month + 1) + "/" + dayOfMonth + "/" + year);  
 }  
});

1. For the Signed APK, I navigated to Build -> Generate Signed APK in Android Studio. I created a new key file as you can see in the screenshots below.  

