

Event Recorder or Project of your Choice (with approval) – Learning Android GUI

Course	INFO-3136 Mobile Development
Professor	Taylor DesRoches
Due	Sunday, June 12 th , 2021 at Midnight code submission
Weight	10% of your grade
Student Name	

Project Description

Create an android application keeps records of when an event(s) happens (The event(s) is your choosing: dog walking and feeding app, medication taking app, new born baby sleeping/wake times, the list is endless). The requirements are to implement a way to record the date and time that an event has occurred and to be able to visualize in your method of choice all the events that has occurred. Your program must have at least three activities: one activity to record the events, another activity to visualize the past events, an activity that explains what your app does and includes your name in it. Your app must be able to set up the expected events.

Core features:

1. The Android GUI must use at least four different type of GUI controls (ie. Button, EditText, Spinner, Radio buttons ..) one of them must be a RecyclerView
2. The Android GUI must use at least three different activities.
3. Your GUI must be able to record events as they happen. The date and time of occurrence. Note: You may record and save the data in any way.
4. Your application must have an indicator to let the user know that the event was recorded by your app (ie. Counter increment, event added to a recycler view, toast message...)
5. Your application is able to load previous records.
6. Your application is able to remove the last record.
7. Your application is able to reset, remove all previous records.
8. Your application must have an “Settings” activity with a description of what your app does and your name
9. The ability to set the time/date of your expected events (may be take medication at 8am or walk dog for 30 minutes a day ...).
10. Your application must have an activity that allows you to visualize the data that was recorded using a RecyclerView. (ie, if it is a medication taking app, you can show the times that the medication has been taken in the past week or month, if it is a baby sleeping app you can show the total hours slept per day in the past time period.) Note: it must be shown in some logical format to visualize the data (Table, plot ...)

11. Optional: Notify the user of an upcoming scheduled event: Notification, email, SMS or sound byte

Grading Criteria:

This project will be graded using the following criteria.

Uses at least four different types of GUI controls, one of them being a RecyclerView.	5%	
Three different Activities	5%	
The ability to record and save the time and date that an event has occurred	10%	
Indicator that the event has been recorded	5%	
The ability to load previous records	10%	
The ability to remove the last record (or if you prefer any record)	10%	
The ability to clear all previous records	5%	
Activity that allows you to visualize the data that was recorded (RecyclerView)	20%	
Settings Activity, displays information about your application and your name.	5%	
Styling: Making it look good	15%	
All activities has layouts that is visually appropriate in portrait and landscape mode (unless the layout is locked)	5%	
All string literals in the string table	5%	
Total:	100%	
Source code not submitted	-100%	
Screen shot of each activity in landscape and portrait not submitted	-10%	
Movies of app showing the functionality in landscape and portrait not submitted	-40%	

Project of your choice. (The choice has to be approved by Taylor) Grading Criteria:

This project will be graded using the following criteria.

Uses at least four different types of GUI controls, one of them being a RecyclerView.	5%	
Three different Activities	5%	
Complexity of the project and implementation	60%	
Settings Activity, displays information about your application and your name.	5%	
Styling: Making it look good	15%	
All activities has layouts that is visually appropriate in portrait and landscape mode (unless the layout is locked)	5%	
All string literals in the string table	5%	
Total:	100%	
Source code not submitted	-100%	
Screen shot of each activity in landscape and portrait not submitted	-10%	
Movies of app showing the functionality in landscape and portrait not submitted	-40%	

Submission

1. Submit entire Android Studio project directory to Fanshawe Online in a .ZIP or .RAR archive file. You must also submit the following in separate files
 - a. The source code
 - b. The screenshots of all activities (not in a zip file)
 - c. The movies of the app showing all the functionality (not in a zip file)