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# IT332: Mobile Application Development

## Lecture # 11 : Using Fragments Better

Muhammad Imran



**android**

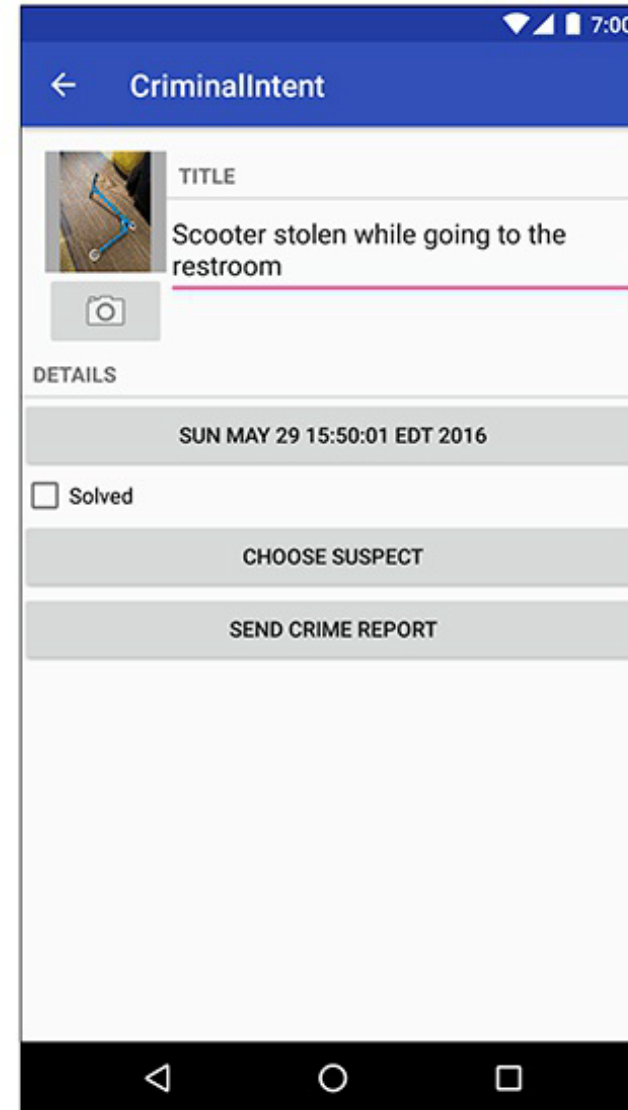
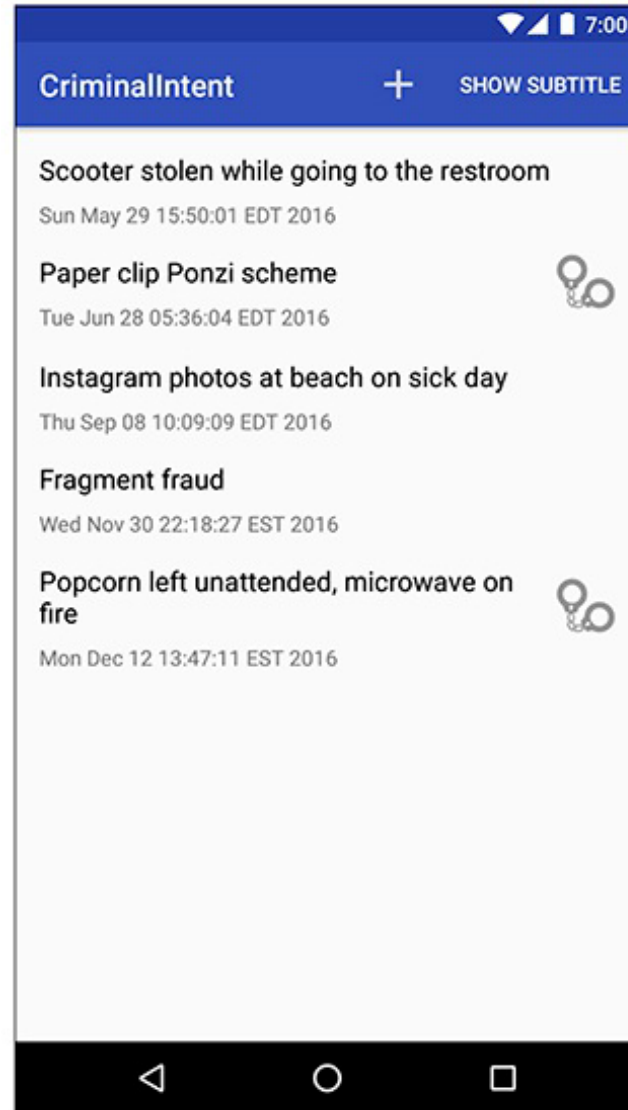


# Outline

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- Using Fragments Better

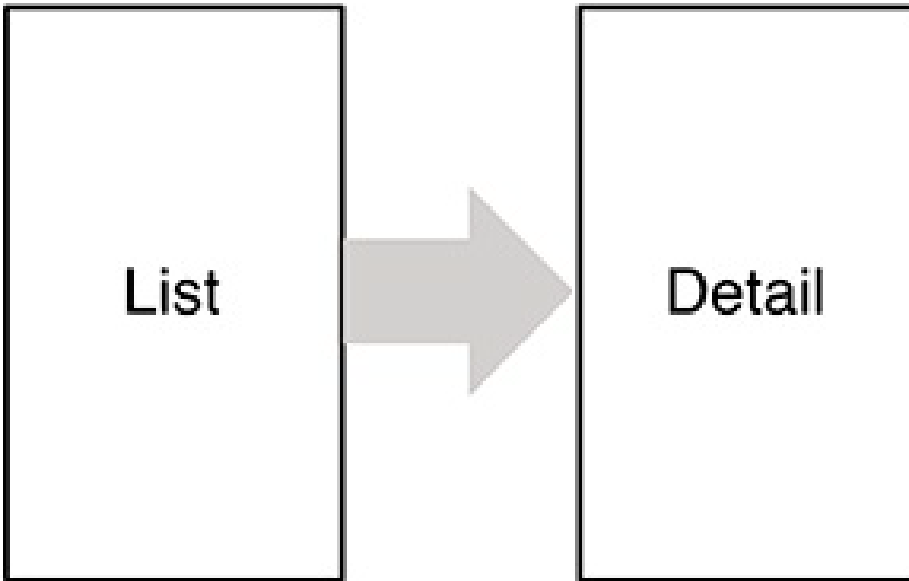
# CriminalIntent, a list-detail app



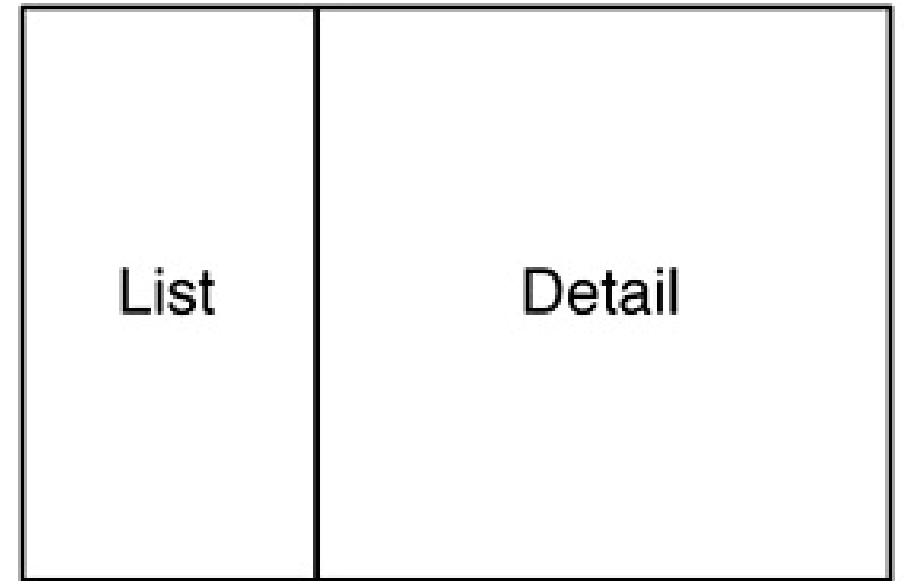
# The Need for UI Flexibility

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Phone

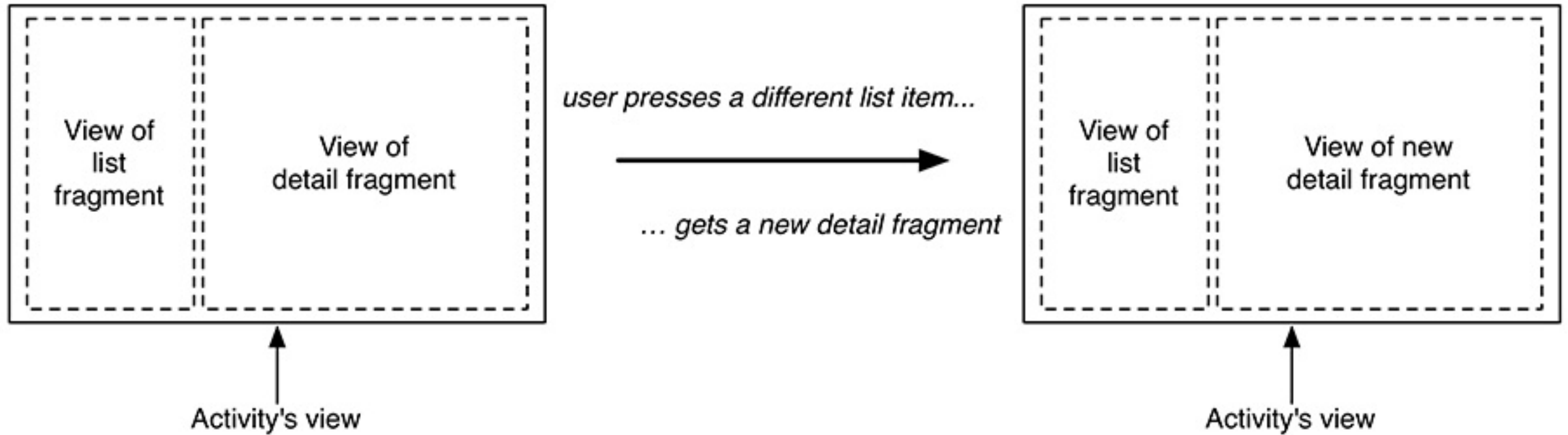


Tablet

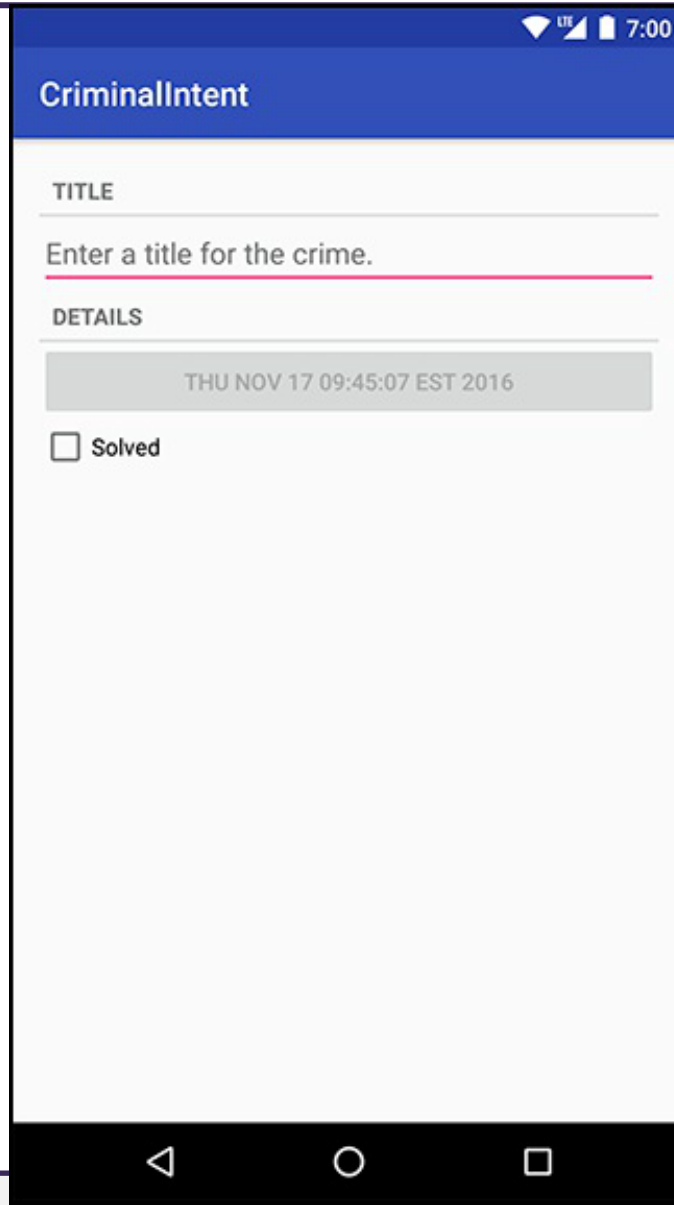


# Using Fragments

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# Starting CriminalIntent App



The screenshot shows the CriminalIntent app interface on an Android phone. The status bar at the top displays LTE, signal strength, battery, and the time 7:00. The app's title bar is blue with the text "CriminalIntent". Below the title bar, there is a section labeled "TITLE" with a text input field containing the placeholder text "Enter a title for the crime.". Below this, there is a section labeled "DETAILS" with a grey rectangular button containing the text "THU NOV 17 09:45:07 EST 2016". At the bottom of the details section, there is a checkbox labeled "Solved". The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.

CriminalIntent

TITLE

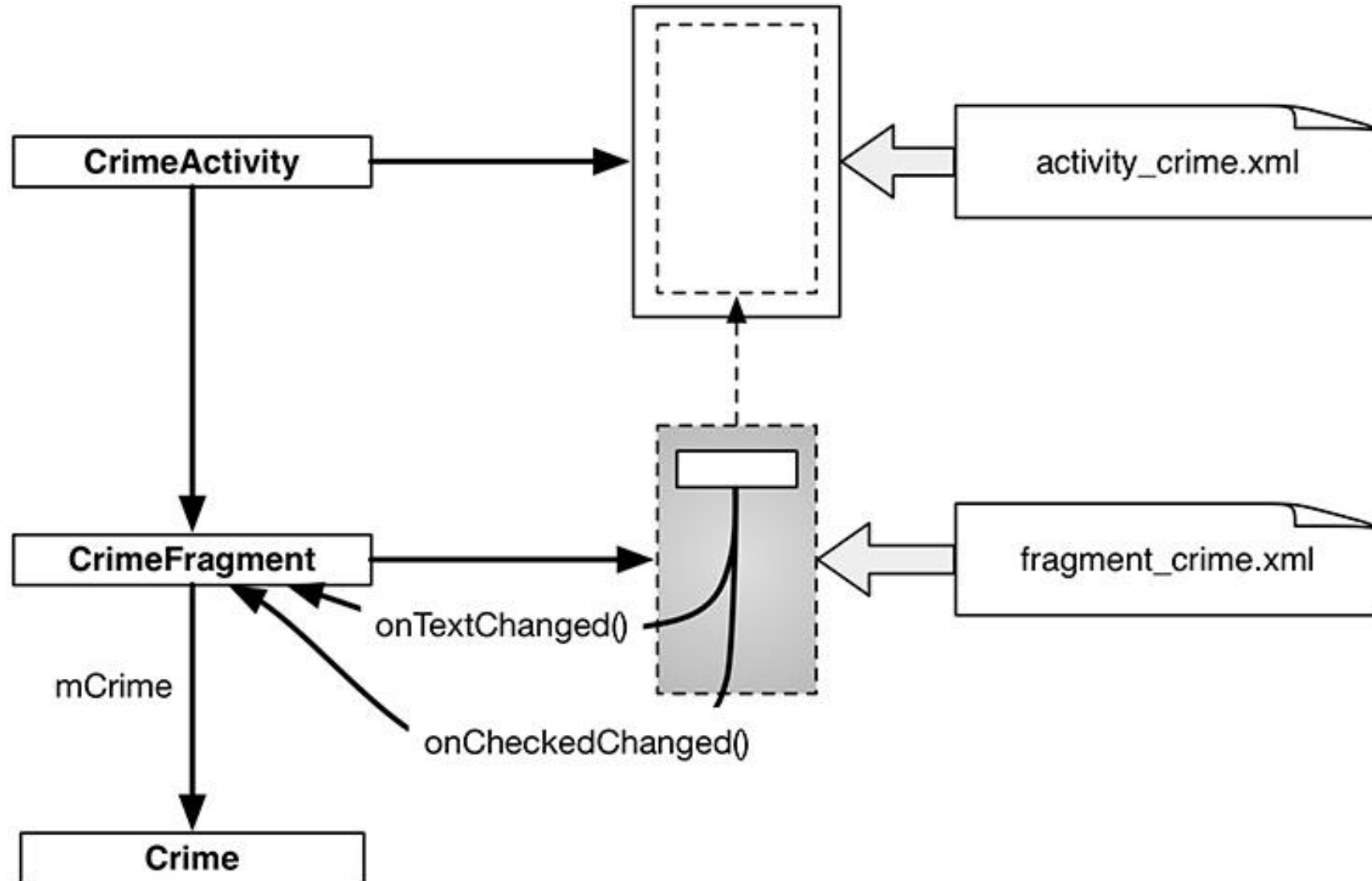
Enter a title for the crime.

DETAILS

THU NOV 17 09:45:07 EST 2016

☐ Solved

# CrimeActivity hosting a CrimeFragment



# Hands-on Video

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- You can watch the complete implementation example at the following link <https://www.youtube.com/watch?v=wQLgNKSKhIQ&t=76s>



# Recommended Readings

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- Page # 123 to 156, Chapter 07: UI Fragments and the Fragment Manager from Android Programming: The Big Nerd Ranch Guide, 3<sup>rd</sup> Edition by Bill Phillips, 2017