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| American University of SharjahCollege of Engineering Dept of Computer Science & Engg  P. O. Box 26666  Sharjah, UAE |  | Instructors: Dr. Tamer [Shanableh](javascript:detailw('detail.asp?ID=@00010457')) **Lab Instructor:** Ms. Praveena Kolli  **Office** EB2-126  **Phone**: 971-6-5152352  **e-mail**: [pkolli@aus.edu](mailto:pkolli@aus.edu)  **Semester**: Spring 2023 |

**CMP354L -** [**Mobile Application Development**](https://banner.aus.edu/axp3b21h/owa/bwckschd.p_disp_detail_sched?term_in=201410&crn_in=11136)

**Lab5**

**Topics:**

* Different Approaches to Event Listening

Update the Custom Tip Calculator developed in Lab3 with listeners attached to widgets using different approaches.

Recall in lab3 the Button listener does all calculations and displays the values. For this lab delete the button, you may delete the entire row where button was placed.

Functionality of the App stays the same. Instead of calculating and displaying the values in button click listener add listeners to all other widgets.

Add listeners to Edit Text, Radio group, Spinner and Check boxes as explained below:

* Edit Text 🡪 Use the current class as the listener.
* Radio Group 🡪 Use a separate names class as the listener.
* Spinner 🡪 Use an anonymous class as the listener
* Check boxes 🡪 Use an inner anonymous class as the listener

**Note**: Submit Design xml, java code, screenshots and **APK.**