



CS 360 Module Five Assignment Guidelines and Rubric

Overview

In Module Three, you created a simple layout in Android Studio. For this assignment, you will build on the UI you already created and practice some simple coding with Android Studio. You should use this as an opportunity to continue getting a feel for the tool while also reviewing your skills.

Directions

Open the file you saved from the Module Three assignment in Android Studio, then edit the MainActivity.java file.

Specifically, you must address the following rubric criteria:

- Create a function that displays a **greeting**.
 - In Android Studio, create a new public function named “SayHello()” that returns a void. The function will need to accept a View as a parameter.
 - Within the function, ensure that the view displays a message and check that the contents of nameText are not null.
- Create **validation** of the elements and inputs.
 - To complete this task, you must complete the following actions:
 - If the content of nameText **is not null**, write “Hello” and the contents of nameText to textGreeting.
 - If the content of nameText **is null**, you should just return from the function. This issue will be improved in the next bullet.
 - On activity_main.xml, set the onClick of buttonSayHello to “SayHello()”.
- Dynamically enable and disable the button **settings** for appropriate situations.
 - Set the buttonSayHello enabled attribute to “False”.
 - Add a text changed listener to the nameText field and implement the following logic:
 - Dynamically disable buttonSayHello if there is no text in nameText.
 - Dynamically enable buttonSayHello when text is entered in nameText.

What to Submit

Submit a ZIP file of the completed Android Studio project folder for your fully functional, error-free work. Reference the additional support in this module's Resources section for assistance with this process.

Module Five Assignment Rubric

Criteria	Exceeds Expectations (100%)	Meets Expectations (85%)	Partially Meets Expectations (55%)	Does Not Meet Expectations (0%)	Value
Greeting	Exceeds expectations in an exceptionally clear, insightful, sophisticated, or creative manner	Creates a function that displays a greeting	Shows progress toward meeting expectations, but with errors or omissions	Does not attempt criterion	33
Validation	Exceeds expectations in an exceptionally clear, insightful, sophisticated, or creative manner	Creates validation of the elements and inputs	Shows progress toward meeting expectations, but with errors or omissions	Does not attempt criterion	34
Dynamic Settings	Exceeds expectations in an exceptionally clear, insightful, sophisticated, or creative manner	Dynamically enables and disables the button settings for appropriate situations	Shows progress toward meeting expectations, but with errors or omissions	Does not attempt criterion	33
Total:					100%