

# Testing RecyclerView and Drawer Navigation

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# What to Expect from This Module



**Quick review of automated UI testing**

**Drawer navigation test action classes**

**RecyclerView test action classes**

**Build automated UI test**

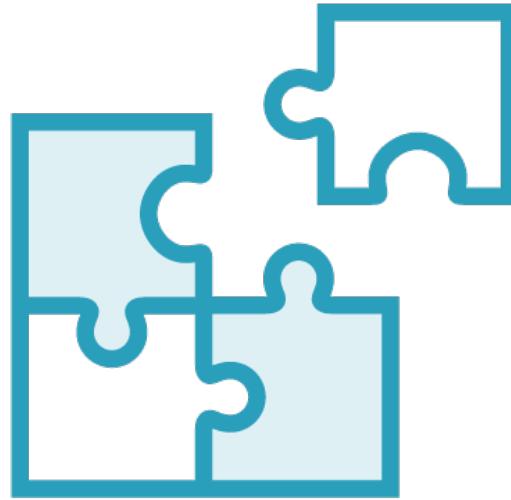
# Instrumented Tests



## Instrumented Tests

Run on emulator or  
physical device

Have access to full  
Android environment



## Automated UI tests

App behavior in  
response to UI actions



Espresso UI testing  
framework



# Creating UI Test Interactions



**Espresso.onView**  
**method**



**Accepts Matcher**  
Specifies the view  
matching criteria



**Returns ViewInteraction**  
Associated with matching view  
Used to perform action on view

# Drawer Navigation Actions

## **DrawerActions class**

- Interact with DrawerLayout
- Open/close drawer

## **NavigationViewActions class**

- Interact with NavigationView
- Select an option



# RecyclerView Actions

## **RecyclerViewActions class**

- Interact with RecyclerView
- Actions on the RecyclerView
- Actions on RecyclerView items



# Summary



## Very consistent with other UI testing

- Use ViewInteractions
- Find with matchers
- Execute actions

## Actions may require special handling

- DrawerActions
- NavigationViewActions
- RecyclerViewActions

# Android Apps with Kotlin

## Keep building your skills...

- Android Apps with Kotlin: ViewModel and Lifecycle

## Make sure you have the fundamentals down...

- Android Apps with Kotlin: Build Your First App
- Android Apps with Kotlin: Tools and Testing
- Android Apps with Kotlin: Resources, Styles, and Themes

