

Kahoot question guidelines:

- Questions should be under 120 characters
- Can have 1-4 answer choices, or T/F questions
- Images have to be uploaded so if you can include the link/Google search terms that would be awesome! (actually it seems like I can just copy and paste into OneNote > right click > save a picture so this point is not as important)

Lab 7 questions:

1. Which XML attribute that would be required to make an **image** accessible in Android:
 - android:hint
 - **android:contentDescription**
 - android:focusable
 - Android:text
2. Imagine you have an informative **app about different dog breeds** with the following image on the screen. There is no caption accompanying this image. What is the best contentDescription you could use for this photo per the WebAim guidelines?

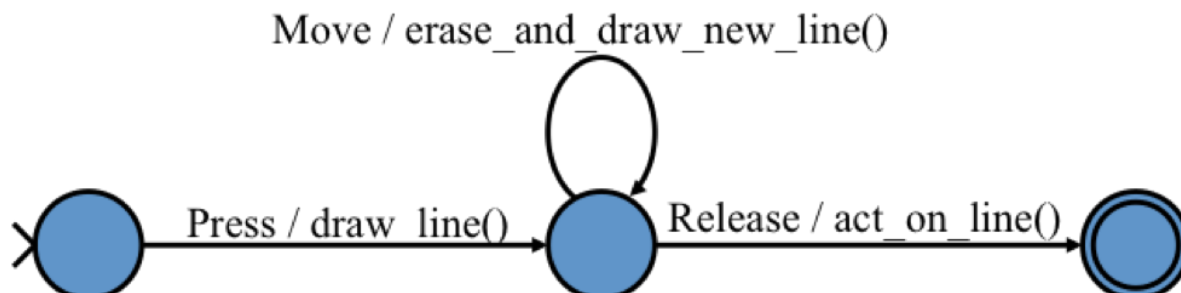


- ☐ No alt text/contentDescription is necessary
 - ☐ Image of a healthy Golden Retriever puppy, 5 months old
 - ☐ Dog
 - ☐ **A Golden Retriever lying on green grass with mouth ajar**
3. Which of the following is not an event?
 - **Ctrl [key pressed]**
 - This is a modifier, not an event
 - Click [of mouse]
 - WindowOpen
 - 4 [key pressed]

4. In which of the following situations is focus used during event handling?

- **When the mouse moves off a scrollbar**
 - The focus event fires when an element has received/ becomes off focus to the user
- When clicking on a button
- When selecting a word in a text area
- All of them

5. What sort of interaction does this PPS support?



- A button
- **A line with rubber banding**
- A line without rubber banding
- All of the above

6. When the user interacts with the app, events are created and go into a Queue. Dispatch refers to when the event is removed from the Queue. "**Picking**" goes through the tree of Views in the app to ask if they will consume the event, then stops immediately after the event is consumed by 1 View. In what order is "picking"?

- **Post-Order**
- Pre-Order
- In-Order
- Random Order

7. Some kind of interactors only want to capture an event if *all other views didn't use it*.

Capturing is a method of event propagation (determines the order in which events are sent) within the app. Which of the following describes capturing order in regards to tree traversal?

- **Captured and handled first by outermost → inner elements**
- Captured and handled first by innermost → outer elements

8. [MVC question (either in general or about color picker)] In Layout, we were mainly making changes to the...

- Model
 - We were not changing the state of our application at any moment in time (same number of images over the life of the application)
- **View**
 - We were changing how the images were displayed (actual UI)
- Controller
 - We were not making any changes to the model based on user behavior
- All of the above

9. Which method was acting as the controller in Color Picker assignment?

- getColorFromAngle
 - This is a helper method, doesn't actually change the view
- **setColor**
 - We are reacting to the data given from the view and updating the model
- getAngleFromColor
 - This is a helper method, doesn't actually change the view
- essentialGeometry
 - This doesn't actually update the model, onTouchEvent just uses it to

10. Which method was acting as the model in the Color Picker assignment?

- **mCurrentColor**
- RADIUS_TO_THUMB_RATIO
- colorToString()
- None of the above

X. Fitts Law explains how the...

- Time it takes for user to make a decision based on # of choices.
- **Time user spends moving to target is depends on ratio of distance to and width of target.**
- Non-dominant hand performs imprecise movements.
- Time user spends moving a mouse cursor through a bounded tunnel (menu/scroll bar/slider) depends on tunnel's size.