

CS501 E1 Mobile App Development

Assignment #5

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Chapter 7 Multiple choice:

1 What method do we use to register a View.OnTouchListener on a component?

setOnTouchListener

2. What method of the MotionEvent class do we use to retrieve the type of action that just happened?

getAction

3. What method do we use to bring a View to the top of the stacking order?

bringToFront

4. What class can be used to capture gestures and tap events?

GestureDetector

5. OnGestureListener and OnDoubleTapListener are
Private static inner interfaces of GestureDetector

6. In order to identify a touch event action, the MotionEvent class has
Private methods

7. What method of the GestureDetector class acts as a dispatcher to the various methods of
OnGestureListener and OnDoubleTapListener?
onTouchEvent

18. We are coding inside the onCreate method of an Activity class. Write the code so that the
current Activity will handle the gestures and tap events.

```
protected void onCreate( Bundle savedInstanceState ){  
    super.onCreate( savedInstanceState );  
    setContentView(R.layout.activity_main);  
    myGestDetector = new GestureDetector(this, new SimpleOnGestureListener() {  
        @Override  
        public boolean onScroll(MotionEvent) {  
  
            return true;  
        }  
    });  
};
```

19. We are coding inside the onTouchEvent method of an Activity class. Write the code so that if there is
a gesture event, it gets dispatched to the appropriate method of GestureDetector.OnGestureListener.

```
public boolean onTouchEvent(View v, MotionEvent event){
```

```
myGestDetector.onTouchEvent(event);
```

```
    return true;
```

```
}
```