Elements of Material Design





Material Design in Android

- Many of the Material design features are supported only on Android 5.0 (API 21) and higher.
- Some features are supported on previous platforms through the v7 support libraries
 - Material design styles available for some widgets by using the Theme.AppCompat
 - Color palette theme attributes and Pallette class to extract prominent colors from images
 - RecyclerView and CardView

Applying Material Design Elements

- The AppCompat theme
- New UI Widgets:
 - Toolbar
 - RecyclerView
- We are using AppCompat to use some of these features in the ChatClient Colors app



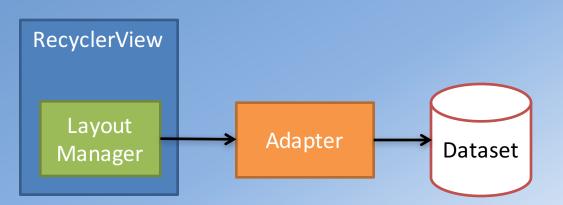
Color Palette



- Using the Color Palette to specify various colors for use
 - colorPrimary
 - colorPrimaryDark
 - textColorPrimary
 - windowBackground
 - navigationBarColor

RecyclerView

- Layout Manager for positioning views
 - LinearLayoutManager
 - GridLayoutManager
 - StaggeredGridLM
- Default animations
- Implement RecyclerView.Adapter



Toolbar

- Generalization of ActionBar
 - Can be placed anywhere in the layout, as a view
 - Can be set to act like the ActionBar using setSupportActionBar()

Basic Graphics Exercise

- Off to our next exercise
 - Understanding 2D graphics with Canvas
 - Drawing items onto the canvas and displaying it on the UI