9) Advanced User Interfaces

1) To design custom user interfaces that can be used in Interface Builder, `@IBDesignable` and `@IBInspectable` can be used. Explain briefly what both keywords do.

2) What is the difference between views and layers? How do they relate to each other?

3) Implement the view provided in the following 2 screen shots in Interface Builder using size classes.

4) Read about `UICollectionView` and compare it to `UITableView`. What are similarities and differences?
   1) Implement a view that displays preview images of pictures similar to the Photos application.

5) What constraints are required to make the following `UITableViewCell` design self-resizing to its content? Test your choice with the help of an example project.
   Hint: Keep in mind that the Label – that serves as a description for the depicted image – can grow taller than the image view! Still, the entire text is supposed to be displayed.