6D Fixing overflows

We have some overflow indicators. Let's explore some techniques to get everything to fit. Remember that it will be some combination of wrap, squeeze or scroll.

FilmBrief

Let's start with the FilmBrief. Note that it may be overflowing its Row() when the device is in portrait. What's the problem? One of the Text()s is too wide for its Column(). We have to tell the Column() that it's okay to wrap the Text()s inside it. We have to tell it that it is Flexible(). You could either wrap it in a Flexible or an Expanded. Let's use an Expanded.

1. Find that Column() in FilmBrief and wrap it with an Expanded().

2. Run and test. The overflow bars should be gone now. Note: this may result in some errors in layout especially errors about "infinite height". If so, try inserting a Center() inside your SingleChildScrollView.

ShowingTimes

3. Look at your ShowingTimes in both FilmBrief and in FilmDetails. They may or may not be giving you a problem now. If you see overflow bars here, you should decide how to solve it; wrap, squeeze, or scroll. Wrapping seems like the right choice for ShowingTimes.

4. Edit ShowingTimes. The TextButtons are in a Row widget. Replace the Row with a Wrap. Take a look in both FilmBrief and FilmDetails. Like that better?

5. Rotate your screen and/or change the width of your viewport. Look at how it behaves.

6. Try setting the Wrap()'s alignment property. Pick whichever alignment you like.

FilmDetails

Again, depending how you solved problems along the way, you may see some problems with FilmDetails. You may see things overflowing horizontally when we're in landscape mode.

"But wait!", you exclaim, "Text()s wrap naturally. I shouldn't have to tell it to do so." You're correct. The problem is that its grandparent Row() isn't constrained in width so it doesn't constrain its child, the Column() to a width. The Column() then asks its children, "How wide do y'all want to be?" The longest Text() child says it wants to be ... well ... way too big. So the Row() overflows the width.

We're going to fix that much like we did in the FilmBrief; by telling the Column that we want it to share the limited width with others. We'll wrap it in a Flexible. The two children (Image on the left and Column on the right) will communicate with one another for the full width.

But the bottom line is that now that the Column is limited in its width, it will constrain the Text()s which will now wrap naturally.

the Text()s inside of it do not wrap. Let's tell them to wrap by simply constraining the column they're in.

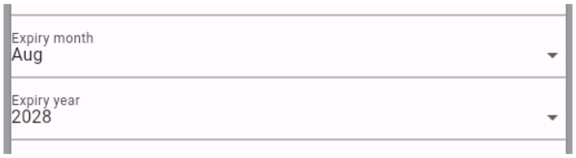
7. Wrap the Column() in a Flexible().

8. Run and test.

That should be it. Your FilmDetails should look good in either orientation. Nice job!

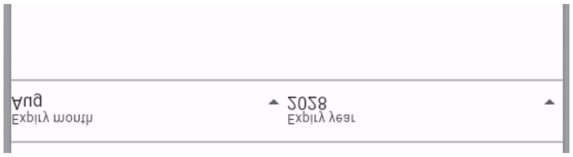
Checkout

9. The Expiry month and year are above-and-beneath in the Column. See if you can get them side-by-side by putting them in a Row().



Expiry month
Aug

Expiry year
2028



Expiry month
Aug

Expiry year
2028

Yikes! It blows up because the Column lets its children be as wide as they want but a Row() desires to be infinitely wide.

10. Wrap each DropdownButtonFormField() in a Flexible() or an Expanded(). Either should work fine.

11. Run and test. Happier now?