Take Home Challenge - TalePreviews

5 Days to complete. Please send your zipped result to josh@maple-tales.de

Thanks for applying to Maple Tales as a Fullstack or Mobile Developer.
The following challenge is designed to get a feeling of your overall Flutter and software engineering skills.

The challenge goes like this:

We want to work on a new feature that shows a list of previews of our tales (stories). Once the user opens the app, a welcome text, a counter of every read tale, and a list of tales should be displayed. If the customer clicks on a tale, they will get directed to the TaleScreen, which for now, contains only a placeholder text and a button that, once pushed, directs the user back to the first screen and marks the clicked tale as "read" with a tick on the top left corner of the picture. Also, the counter gets incremented by one. Incrementing the counter can happen only once for each tale, no matter how often it gets read. In addition, the list of the previews gets sorted: Read tales should be at the end of the list. The app should be internationalized in German and English. For kids with dyslexia, we provided a font that makes reading for them easier. Replace the default font of the lorem ipsum text with the provided font. We also plan to release it on iPad, so please make it responsible.
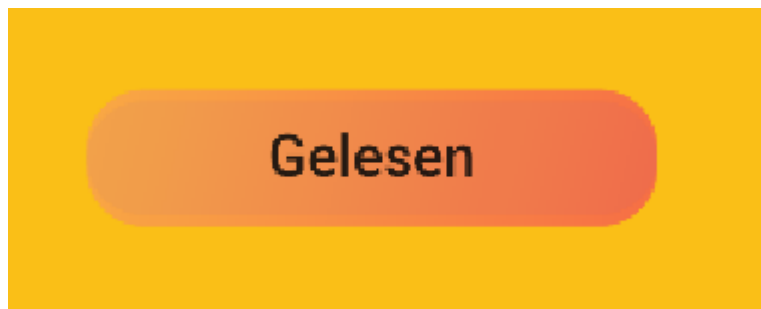
Infos:

This is basically the whole challenge. We provided a TalePreviewService that offers an API for reading Tale Previews. You can look into it as well. There might be a few bugs or inconsistencies not following best practices. Please fix them as well. Don't forget what you learned about REST. The service is dockerized and listens on port 9000.

We want you to write neat, smart code, that follows best practices. Imagine this is a real repository with other people working on it. What is already there? Use it, or justify why you want to use something else. You can add further dependencies if needed. If you see a bug or code smell, fix it!

Resources:

English	German
You have read n books!	Du hast n Bücher gelesen!
By xyz	Von xyz
Grade: a - b	a - b. Klasse
Not found	Nicht gefunden

The button should look like this:

The TalePreview Card should look like this:

Optional tasks:
- The app does not persist the state, so if the app gets restarted the counter and details will be lost. Persist Talepreview state and the read counter.
- The service only stores the tales in-memory. Persist tales in a DB like MongoDB.
- The app will eventually run on different platforms such as web and desktop. Those platforms are most of the time displayed in landscape mode. Make the application responsive for landscape mode.

If you have further questions, please don't hesitate and reach out to me via josh@maple-tales.de