AMP Bank

AMP's new Banking division, AMP Bank, is a digital bank offer built on the "Engine By Starling" (Engine) SaaS platform.

The Challenge

We'd like you to develop a "round-up" feature for AMP Bank customers using Engine's public developer API.

For a customer, take all the transactions in a given week and round them up to the nearest dollar. For example with spending of $4.35, $5.20 and $0.87, the round-up would be $1.58. This amount should then be transferred into a savings goal, helping the customer save for future adventures.

Note: You should use the default currency of the account for creation of the savings goal.

Time:

We like you to submit your code, complete or otherwise within 2 days.

Submitting:

Provide a link to a public github repo containing the project.

If you have any questions, please ask your AMP recruitment partner

API Calls

To make this work, the key parts from our public API you will need are:

1. Accounts - To retrieve accounts for the customer
2. Transaction feed - To retrieve transactions for the customer
3. Savings Goals - Create a savings goals and transfer money to savings goals

We do expect to see your working here: please do not use any of the libraries out there which provide an sdk for interacting with our api.

What to build

Pick your favourite platform to develop for (Android / iOS). If you have experience with multiple languages that's fantastic - you only need to submit for one and your choice won't impact potential roles with us.

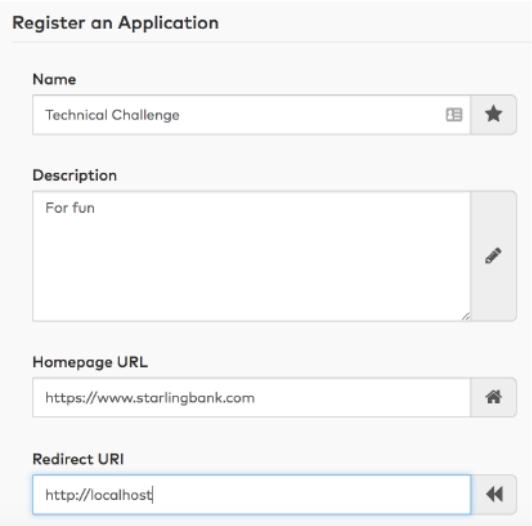
- ***Android:*** Simple application in Java or Kotlin which displays the amount to round up for a week with a button to perform the transfer.
- ***iOS***: Simple iOS application written in Swift and using UIKit. It should display the amount to round up for a week of transactions with a way to perform the transfer into a saving goal.

Getting Started

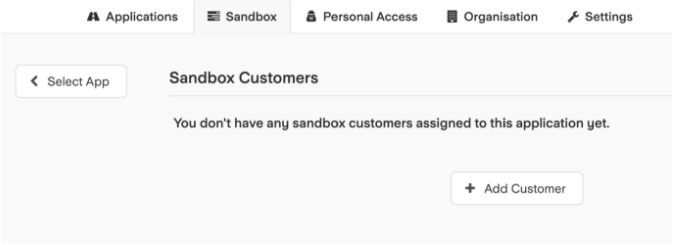
Don't worry about reading the top half of the API documentation - *we aren't asking you to build out an OAuth implementation*! To jump start to the point of being able to make API calls:

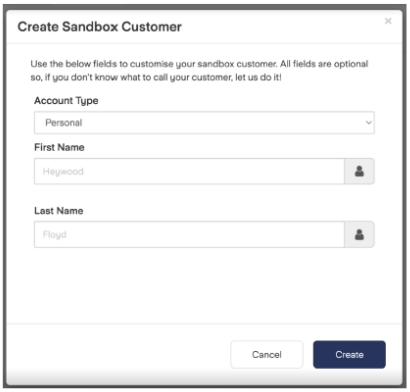
1. Sign-up for a Starling developer account and verify / secure your account.

2. Create an API application (you can use any URLs as they won't be used for local development). *Applications are how we track API keys and usage.*



3. Create a sandbox customer.





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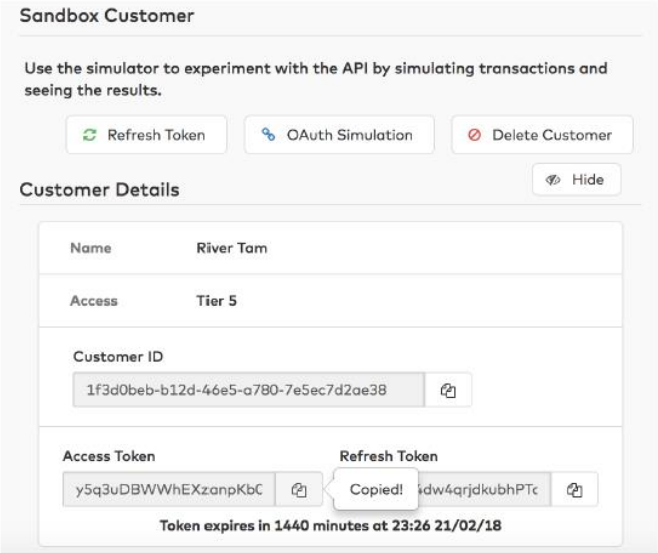
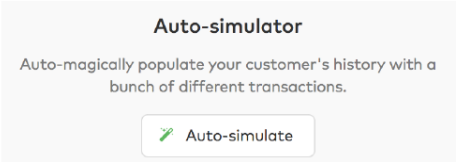
4. Copy the **access token** for the customer



5. Click the auto-simulate button for the customer. *This makes about 30 transactions on the customer account to give a reasonable history to play with.*



That's it! You can now make API calls for the customer with your favourite HTTP client.

Base URL for resources: https://api-sandbox.starlingbank.com

Required headers: Accept: application/json

Authorization: {yourAccessTokenFromAbove}

User-Agent: Your Name

Example with curl:

curl --get https://api-sandbox.starlingbank.com/api/v2/accounts -H "Accept: application/json" -H "Authorization: Bearer {yourAccessToken}"