



Technical exercise

Take-Home Project

[Overview](#)

[Budget](#)

Summary

This is a small shape document outlining our take-home project for prospective PostPilot engineers!

Overview

Given the code base: <https://github.com/postpilot-org/technical-exercise>

We want you to solve the issue number 2:

<https://github.com/postpilot-org/technical-exercise/issues/2>

Allow users to export codes attached to a discount

We have a listing page /discounts where someone can create a discount and upload codes attached to that discount.

Coupons

New Coupon

Name	Available / Total	
Publishing - Periodicals	1000 / 1000	Add Codes

Showing 1 of 1

The goal

We'd like to allow the user to download a list of codes that are associated with a given discount. One idea is that we could introduce a simple button to each discount next to the "Add Codes" button that kicks off this process.

Notes about the implementation:

- There could potentially be hundreds of thousand codes per discount so we'll want to make sure the solution can handle this scale.
- We likely wouldn't want this to happen in the request/response cycle to ensure a good user experience. We usually reach for [Sidekiq](#) for this. (should be installed)
- Let's make sure we add some RSpec test coverage for making sure that we export the right data
- You can safely ignore the scenario where new codes can be added while the csv is being generated
- You can also safely ignore any other edge cases for the sake of this exercise

Running the project

Please look at our [Readme](#)

Budget

Similar to Basecamp's "appetite" concept - we typically include a project budget in each shape document, describing how much time and effort we've allocated to the work. In this case, and as mentioned prior, we expect you to spend about 2-4 hours on this. This is only a roughly estimative and we understand that it may vary depending on the circumstances.