# SDET Challenge

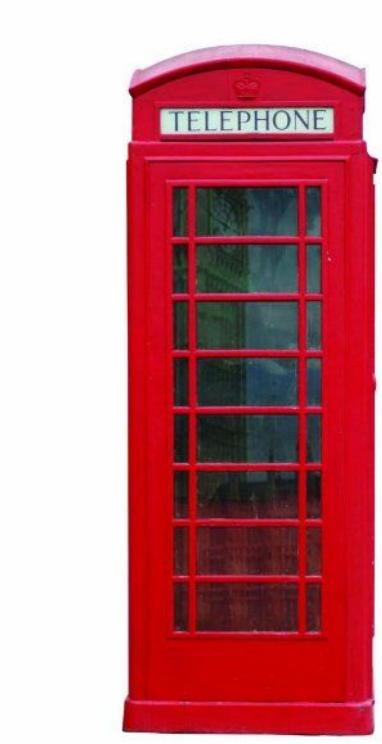
Pindrop

## I. Overview

Love writing code? Love breaking code? Wow us! This document provides requirements for a service that scrapes phone number complaint data from a website and provides the parsed data via a RESTful API and the code provided attempts to do just that.

Review this code, refactor it where needed for testability, and write tests around this product - do what you do best. Please note that you are not expected to re-write the whole project from scratch.

## II. Service Description




At Pindrop, we're all about designing and building loosely coupled services that are highly scalable. This particular service scrapes phone number complaint data from a website and provide the parsed data via a RESTful API.

The website scraped is 800notes.com. Only the front page of the website is scraped, specifically the items under "Latest Entries."

For each complaint entry the scraper should gather the following attributes:

- Area Code
- Full phone number
- Number of comments / reports
- The Comment

The service additionally provides a REST API to return this data. The API should provides at least one endpoint that satisfies the following minimum requirements:

- Allow client to fetch all results
- Allow client to fetch by area code
- Return data in JSON format

**III. Requirements**

Work your magic on the provided code. How would you make it better with respect to testability? Go ahead, refactor it. How would you break it? Go ahead, write test code to break it. What else would you do if you saw code like this in production? Show us and wow us. The requirements are intentionally vague so as not to limit you and how far you can go with this!

We prefer that you use Python or Ruby, since that is what we use at Pindrop, but you may also use Java or C++ or another language of your choice. Additionally, use GIT to track your work. You may also use any framework or library of your choice.

When complete, please submit your work via the link in the email you received previously from Pindrop's Talent team.

**IV. Questions**

Please reach out to deepak@pindropsecurity.com if you have any questions.