# QA Challenges

## Preface

We are developing a data-rich and AI-powered ecosystem that aims to benefit all people. To ensure the quality of our final product, we're seeking a skilled Automation Test Engineer who can help us achieve this goal.

To assess your QA fundamentals and automation testing expertise, we've prepared two challenges for you.

## Challenge #1: Write test cases for Budget Request function

**Requirements**

When a Budget request is created, it should follow these steps:

1. The request is sent to the Head of department.
2. If approved, the request is sent to the Accounting department.
3. If rejected by the Accounting department with an added requirement (lack of compulsory document), the request is resent to the PIC for completion.
4. After completing the added requirement, the PIC sends the revised request directly to the Accounting department without re-approval from the Head of department.
5. Upon receiving a proper request, the Accounting department accepts it, and the Budget request is sent to either:
   * Financial Admin if the total price is under 50 million dong
   * Board of directors if the total price is 50 million dong and above
6. Send notification to the Head of department when a new Budget request is created.
7. Send notification to the Accounting department when the request is approved by the Head of department.

**Task**

Write detailed test cases for each step of the Budget request process, including edge cases and error handling scenarios. Ensure that your test cases cover all possible workflows and outcomes.

## Challenge #2: Automate Flight Booking Script

**Requirements**

Automate a flight booking script using the video tutorial provided: https://youtu.be/s\_tXtCzwe3U

**Task**

Write an automation script that accurately follows the steps shown in the video, **using the latest version of WebdriveIO**

Plus Points

* Clean & easy to read code
* Concise variable & element naming
* Optimized & smart test selectors

Note:

* Challenge 2: must have use WebdriveIO
* Timeline: 3 days