Testing Approach:
1. Tech Deck: C# + RestAssured + NUnit
2. This implements functional API tests only for this RestAPI - including positive and negative testing.
3. Rest Assured has a natural setup of BDD (Given-When-Then) which is easier to be adopted.
4. Test Result Report should contain:
    a. Feature design link and memos for testing
    b. Testing Environment
    c. Test category (can use NUnit [Category()]), in this case will all be functional.
    d. NUnit test result report can be embedded in any of the pipeline tools (like Jenkins, Azure ADO, etc.) and be published to all the teams.
5. If performance/load testing is needed, Jmeter or other tools should be evaluated here.

Other side notes for this OA:
1. In the original OpenVerse, there're two requirements for specific validation, I'd like to answer it here:
    a. For Email verification: I believe we can use mailosur or Amazon SES to set up accounts, and API or SDK to receive email, retrieve email body and click link for validation.
    b. For security of email verification: the credentials can be stored in Amazon security manager for retrieval.
    c. For UUID v4 validation: I believe there's a regular expression we can follow and use to validate it.
    "^[0-9a-f]{8}-[0-9a-f]{4}-[4][0-9a-f]{3}-[89ab][0-9a-f]{3}-[0-9a-f]{12}$