**Software Testing Take-Home Assessment**

THA Case Study:

Company X is a specialised software company based in Belfast specialising in aviation related software system development for clients across the world. A small international airline company called ‘Buddha Air’ in Nepal has commissioned the Company X to develop its airport self-service check-in system. The development of the self-service check-in system by Company X is complete with inhouse testing and verification carried out already. Before the system is finally delivered to the Buddha Air in Nepal, Company X has requested the airline company to carry out the User Acceptance Testing (UAT) of the system at their own site to ensure the system can handle required tasks in real-world scenarios according to the specifications. At this stage, Buddha Air has approached you as an independent software-testing professional to carry out a detailed User Acceptance Testing (UAT) of the system under the real-world scenarios. A general system requirement specification for the self-service check-in kiosk provided to you are:

1. The system shall allow travellers to identify themselves with their travel document (passport or another equivalent document).

2. Once the traveller is correctly identified, the traveller shall be allowed to confirm their flight information.

3. After flight information is confirmed, the traveller shall be allowed to review their seat assignment.

4. After seat assignment is confirmed, the traveller shall be allowed to indicate checked bags (if any).

5. Finally, the traveller shall be allowed to print boarding passes.

**Questions:** As an independent software-testing professional appointed by Buddha Air to carry out User Acceptance Testing (UAT) of the airport self-service check-in system, please prepare a brief report covering the following:

**1.** Which software testing strategy (with specific software testing type and technique) would you choose to test the airport self-service check-in system?

**2.** How do you justify the choice of your strategy (testing type and technique)?

**Essential information to note:**

The answer should be provided in the form of a report. The report can be informal, and no references are required.

The expected length of the answer report (combining all questions) is around 500 -600 words.

Complete on a Microsoft Word doc.