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| **International School**  Đồ Án CDIO  **CMU-CS 447**    Test Case  Version 1.0  Date: 05- April - 2025  Airline Reservation System  Submitted by  Nguyen Pham Anh Huong  Cao Minh  Le Minh Hieu  Nguyen Thi Thanh Huong  **Approved by**  **Capstone Project 1 - Mentor:**  Name Signature Date  Tinh, Le Van \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_04 - April- 2025 |

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# PROJECT INFORMATION

Table 1 - Project Information

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| **PROJECT INFORMATION** | | | |
| **Project Acronym** | ARS | | |
| **Project Title** | Airline Reservation System | | |
| **Project Web URL** |  | | |
| **Start Date** | 5-Apr - 2025 | | |
| **End Date:** | 24 - May - 2025 | | |
| **Lead Institution** | International School, Duy Tan University | | |
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# DOCUMENT INFORMATION

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| --- | --- | --- | --- |
| **DOCUMENT INFORMATION** | | | |
| **Document Title** | Test Case | | |
| **Author(s)** | Group 3 | | |
| **Role** | Test Case\_v1.0 | | |
| **Date** | 5-Apr - 2025 | File name | Test Case\_v1.0 |
| **URL** | https://github.com/nnkq/myproject.git | | |
| **Access** | Project and CMU Program | | |

Table 2 - Document Information

# REVISION HISTORY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Person(s)** | **Date** | **Description** | **Approval** |
| 1.0 |  | 5-Apr - 2025 | Initiate Test Case | x |
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Table 3 - Revision History

# PURPOSE

This document ensures the Airline Reservation System (ARS) meets functional and nonfunctional requirements through systematic testing, covering:

* Verification: Correct implementation of features.
* Validation: User experience and data accuracy.

# SCOPE

* UI/UX: Responsiveness, accessibility.
* Functional: Search, booking, payment, admin controls.
* Data: Database integrity, API interactions.

# ASSUMPTIONS

* Users have stable internet.
* Payment gateways (e.g., PayPal) are integrated.
* Browsers: Chrome, Firefox, Safari.

# VARIANT USES

Test cases apply to:

* Desktop/mobile users.
* Admin vs. customer roles.

# CHECKLIST

## SPRINT 1:Booking & Payment

|  |  |  |
| --- | --- | --- |
| No | Procedure | Pass/Fail |
| C01 | **Select flight → Proceed to booking.** | P |
| C02 | Save booking details to database. | P |
| C03 | **Complete payment via PayPal (success).** | P |
| C04 | Payment failure (retry option). | P |

## SPRINT 2: User Authentication & Flight Search

|  |  |  |
| --- | --- | --- |
| No | Procedure | Pass/Fail |
| C01 | Register new user (valid email/password). | P |
| C02 | Login with valid credentials. | P |
| C03 | Login with invalid credentials (error message). | P |
| C04 | Search flights (valid dates/destinations). | P |
| C05 | Filter results (price, airlines). | P |
| C06 | No results for invalid routes (error message). | P |

## SPRINT 3: Admin Dashboard

|  |  |  |
| --- | --- | --- |
| No | Procedure | Pass/Fail |
| C01 | View all bookings (filter by date). | P |
| C02 | Cancel booking (notification sent). | P |