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| **International School**  Đồ Án CDIO  **CMU-CS 447**    Code Standard  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** | Code Standard | | |
| **Author(s)** | Group 3 | | |
| **Role** | Code Standard\_v1.0 | | |
| **Date** | 5-Apr - 2025 | File name | Code Standard\_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 Code Standard Document | x |
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Table 3 - Revision History

# INTRODUCTION

## PURPOSE

Providing a prioritized features list, containing short descriptions of all functionality desired in the product.

Containing a complete list of all requirements under consideration, rank ordered, and matrixed with other key characteristics that facilitate planning and prioritization.

## SCOPE

Showing the user’s role.

Storing all the user’s requirements.

Giving a short description of all the functionality desired in the product.

Giving the priority of each feature of the product.

## DEFINITIONS, ACRONYMS AND ABBREVIATIONS

|  |  |
| --- | --- |
| **Term** | **Definition** |
| ARS | Aiirline Reversation System |
| PB | Product Backlog |
| H | Priority Level - High |
| M | Priority Level - Medium |
| L | Priority Level - Low |

## REFERENCES

|  |  |  |
| --- | --- | --- |
| **No.** | **Document Name** | **Note** |
| 1 | Proposal Document |  |

# PRODUCT BACKLOG

## USER STORIES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **As a/an** | **I want to ...** | **so that ...** | **Priority** | **Status** |
| PB01 | environment expert | view list of data cubes(DCs) | I can know exactly what data do i have, how many data cubes available and working with them | **H** | **Done** |
| PB02 | environment expert | select one data cube | I can drag that data cube into active page of Smart Dashboard Building | **H** | **Done** |
| PB03 | environment expert | visualise active data cube in different type | I can see the data displaying different ways like charts, maps, and data tables then I can clearly understand the data and use it | **H** | **Done** |
| PB04 | environment expert | select a new data cube to active page | I can display multiple data and connect them with the other data cubes | **H** | **Done** |
| PB05 | environment expert | link two data cubes in SDB | I can connect the data between two data cubes and display them in SDB | **H** | **Done** |
| PB06 | environment expert | create new data cube based on the two linked data cubes | I can manage that new data cube from two data cubes and use that new data cube for displaying and saving | **H** | **Done** |
| PB07 | environment expert | visualise a new data cube | I can view more data information about a new data cube | **H** | **Done** |

## FEATURE DESCRIPTION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Feature Name** | **Description** | **Priority** | **Status** |
| PB01 | **View DataCubes** | Allow to see list of data cubes and brief of information about data cubes | **H** | **Done** |
| PB02 | **Drag DataCube** | -Dragging a data cube to the active page and generate information about the data of DataCube | **H** | **Done** |
| PB03 | **Visualise DataCube** | -Visualise data cube in different ways like charts, maps and data tables. | **H** | **Done** |
| PB04 | **Select DataCube** | -Select data cube into active page to display data from data cube  -Use selected data cube to connect them with other data cubes | **H** | **Done** |
| PB05 | **Link Two DataCubes** | -Link two data cubes together to connect the data and display the data from two connected data cubes | **H** | **Done** |
| PB06 | **Create A New Linked DataCube** | -Create a new data cube from two linked data cubes.  -Saving a new data cube from two linked data cubes to use for other purposes | **H** | **Done** |
| PB07 | **Visualise New DataCube** | -Visualise a new data cube that helps to know more about what does the data cube contains | **H** | **Done** |

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