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REVISION HISTORY

Date	Version	Description	Author
18/03/24	1.0	SRS_AMS-TC-001.1 SRS-AMS-TC-001.2	Jeyhun Javadov
18/03/24	1.2	SRS-AMS-TC-002.1	Teymur Mammadov
18/03/24	1.3	SRS-AMS-TC-002.2	Ilkin Tomuev
19/03/24	2.0	SRS-AMS-TC-003.1	Rashad Musayev
20/03/24	2.1	SRS-AMS-TC-003.2	Ilkin Tomuev
20/03/24	2.2	SRS-AMS-TC-004.1	Teymur Mammadov
21/03/24	3.0	SRS-AMS-TC-004.2	Jeyhun Javadov
21/03/24	3.1	SRS-AMS-TC-004.3	Rashad Musayev

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1 Introduction

1.1 Document overview

This document is the software test report of the testing phase of the Airport Management System software development project. It contains the results of tests performed on the developed system.

1.2 References

1.2.1 Project References

#	Document Identifier	Document Title
[STP]	AMS-STP-1	AMS Software Test Plan
[SRS]	AMS-STP-2	AMS Software Requirements Specifications

1.3 Conventions

Test results listed in this document are constructed according to the following structure:

Test Result

Test ID	Same ID as in test desc.	Comment	Decision
Test description	Same as in the test description.		OK, NOK, ...
Verified Requirement	SRS-REQ-001	Same as in test desc.	
Initial conditions	Same as in test desc.	Same as in test desc.	
Tests inputs	Same as in test desc.	Same as in test desc.	
Data collection actions	Same as in test desc.	Same as in test desc.	
Tests outputs	Same as in test desc.	Same as in test desc.	
Assumptions and constraints	Same as in test desc.	Same as in test desc.	
Expected results and criteria	Same as in test desc.	Same as in test desc.	
Test procedure			
Step number	Operator actions	Expected result and evaluation criteria	Result
1	Start foo	Foo is started	OK, NOK ...

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2 Overview of Tests Results

2.1 Tests log

The JUnit software (version 5.7.0) was tested on the IntelliJ idea test platform located

Give a few information about tests.

The AMS software (version 1.0) was tested on the IntelliJ Idea platform located in Windows and MacOS, from the 2024/05/ to the 2024/05/18. The tests of the test phase (ref. software test plan) were executed.

Testers were:

- Tomuev Ilkin,
- Mammadov Teymur
- Musayev Rashad
- Javadov Jeyhun

2.2 Rationale for decision

After executing a test, the decision is defined according to the following rules:

- **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
- **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
- **NOT RUN:** Default state of a test sheet not yet executed.
- **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Test results are listed in §3.

2.3 Overall assessment of tests

Statistics about tests:

- 90% of tests OK,
- 0% of tests NOK
- 0% of tests POK
- 0% of tests NR
- 10% of tests NC

Statistics about bugs and enhancements:

- Total number: 0
- Number of Critical: 0
- Number of Major: 0
- Number of minor: 0
- Number of enhancements: 0

2.4 Impact of test environment

There is no impact of test environment that can affect the tests.

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3 Detailed Tests Results

For each executed test, this document contains:

- Test identification;
- Test title;
- Test decision;
- A comment containing additional information or problems encountered during execution and differences with the test procedure.

For the problems leading to a bug, the bug ID is reported in the result of the step where problem was encountered.

3.1 Test Results

Test ID	SRS_AMS-TC-001.1	Comment	Decision
Test description	Verify that a new passenger can be successfully added/updated in the system.		OK
Verified Requirement	SRS-AMS-001	T (Test)	OK
Initial conditions	The user is logged into the system and has access to the passenger management functionality.		OK
Tests inputs	Name: John Passenger Surname: Smith Passenger Luggage count: 2 Year of birth: 1990 Passenger type: Economy		OK
Data collection actions	N/A		OK
Tests outputs	Passenger John has been added/updated in the passenger list		OK
Assumptions and constraints	User has the necessary permissions to add/update a new passenger to the system.		OK
Expected results and criteria	The passenger John Smith is added/updated in the system		OK
Test procedure			

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Test ID	SRS_AMS-TC-001.1	Comment	Decision
Test description	Verify that a new passenger can be successfully added/updated in the system.		OK
Verified Requirement	SRS-AMS-001	T (Test)	OK
Initial conditions	The user is logged into the system and has access to the passenger management functionality.		OK
Tests inputs	Name: John Passenger Surname: Smith Passenger Luggage count: 2 Year of birth: 1990 Passenger type: Economy		OK
Data collection actions	N/A		OK
Step number	Operator actions	Expected result and evaluation criteria	
1	User opens Passenger Management System page	Page is opened and shows passenger list and management tools	
2	User fills the graphs: Name, Surname, Passenger type, Luggage count, Year of Birth	All the graphs are filled	
3	User clicks Add/Update User	User successfully added to the list	

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Test ID	SRS-AMS-TC-001.2	Comment	Decision
Test description	Verify that a passengers can be successfully removed in the system.		OK
Verified Requirement	SRS-AMS-001	T (Test)	OK
Initial conditions	The user is logged into the system and has access to the passenger management functionality.		OK
Tests inputs	N/A		OK
Data collection actions	N/A		OK
Tests outputs	Passenger John has been removed from the passenger list		OK
Assumptions and constraints	User has the necessary permissions to remove a passenger from the system.		OK
Expected results and criteria	The passenger John Smith is removed in the system	Passenger John Smith should be removed from the database	OK
Test procedure			
Step number	Operator actions	Expected result and evaluation criteria	
1	User opens Passenger Management System page	Page is opened and shows passenger list and management tools	OK
2	User fills the graphs: Name, Surname, Passenger type, Luggage count, Year of Birth	All the graphs are filled	OK

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Test ID	SRS-AMS-TC-002.1	Comment	Decision
Test desc.	AMS shall enable users to add the plane details:		OK
Verif. Req.	SRS-REQ-002.1,	Test	
Init. Cond.	The user is logged into the AMS system and has access to the plane management functionality.		OK
Tests inputs	TK337 , 70		OK
Data collection	Name Capacity	You may reference a procedure to record data with a test tool	OK
Tests outputs	N/A	Give unique name out output data files.	OK
Assumptions & constraints	Input formats		OK
Expected results and criteria	Collected data is expected to be in the SQL server.	TK333 plane should be created with capacity of 70	OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Plane name should be inputted in the designated field.	inputs should be checked for correct format, if format not met user should be notified	OK
2	Capacity should be inputted in the designated field.	inputs should be checked for correct format, if format not met user should be notified	OK

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Test ID	SRS-AMS-TC-002.2	Comment	Decision
Test desc.	AMS shall enable users to remove the plane details:		OK
Verif. Req.	SRS-REQ-002.2	Test	OK
Init. Cond.	The user is logged into the AMS system and has access to the plane management functionality.		OK
Tests inputs	N/A		OK
Data collection	N/A		OK
Tests outputs	Selected plane details should be deleted		OK
Assum & constr	N/A		OK
Expected results and criteria	Chosen plane details should be deleted from the database		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Open the list of registered planes	The list of planes is displayed	OK
2	Select plane	The plane details are displayed	OK
3	Press delete button	The delete function is selected. The selected plane is deleted from DB.	OK

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Test ID	SRS-AMS-TC-003.1	Comment	Decision
Test desc.	AMS shall enable users to add the flight details		OK
Verif. Req.	SRS-AMS-003.1	Test	OK
Init. Cond.	The user is logged into the AMS system and has access to the flight management functionality		OK
Tests inputs	SAW,GYD,29/08/2024,29/08/2024		OK
Data collection	Inputed data should be added to the Database		OK
Tests outputs	N/A		OK
Assum & constr	Input Formats		OK
Expected results and criteria	Inputed flight details should be of correct format		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Open the list of flight management	The list of flights should be displayed.	OK
2	Insert data in appropriate sections	Registration window should be displayed.	OK
3	Press the register button	After the press registration functionality should add the flight details to Database	OK

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Test ID	SRS-AMS-TC-003.2	Comment	Decision
Test desc.	AMS shall enable users to remove flights.		OK
Verif. Req.	SRS-AMS-003.2	Test	OK
Init. Cond.	Flights should be preregistered. User should be logged into AMS.		OK
Tests inputs	N/A		OK
Data collection	N/A		OK
Tests outputs	Selected flights should be removed from the database		OK
Assum & constr	Flights for removal should be selected from the displayed list		OK
Expected results and criteria	Selected flight should be removed from the database and not be displayed in the list		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Access the flight management system	AMS system should display the list of registered planes	OK
2	Select the flight to be deleted	Selected flight should be highlighted	OK
3	Press delete button	Selected flight should be removed from the database.	OK

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Test ID	SRS-AMS-TC-004.1	Comment	Decision
Test desc.	AMS shall enable users to buy and cancel tickets from selected flights.		OK
Verif. Req.	SRS-AMS-004.1	Test	OK
Init. Cond.	User should be logged into AMS.		OK
Tests inputs	N/A		OK
Data collection	N/A		OK
Tests outputs	N/A		OK
Assum & constr	Only selected Tickets can be removed. Only correct format , and registered passenger, flights can be imputed into tickets		OK
Expected results and criteria	Tickets , should be added or deleted		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Add ticket information from the pre registered list	Ticker information should be added	OK
2	Press the buy or cancel button	Ticket should be added to/remove the database.	OK

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Test ID	SRS-AMS-TC-004.2	Comment	Decision
Test desc.	Users can buy tickets for only existing passengers which are shown in the list of Passenger Management System		OK
Verif. Req.	SRS-AMS-004.2	Test	OK
Init. Cond.	The user should be logged into AMS.		OK
Tests inputs	N/A		OK
Data collection	N/A		OK
Tests outputs	N/A		OK
Assum & constr	Users cannot buy tickets for non-existent passenger		OK
Expected results and criteria	Error dialog should be shown		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Insert the ID of a non-existent passenger, which can be identified from the Passenger list in the Passenger Management System		OK
2	Press the buy button	Error dialog should be popped up	OK

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Test ID	SRS-AMS-TC-004.3	Comment	Decision
Test desc.	Users can buy tickets for passengers only if their passenger type(business, economy, and family) matches the wanted seat type (VIP for business, economy class for economy passengers, and Family class for Family passenger types)		OK
Verif. Req.	SRS-AMS-004.3	Test	OK
Init. Cond.	The user should be logged into AMS.		OK
Tests inputs	N/A		OK
Data collection	N/A		OK
Tests outputs	N/A		OK
Assum & constr	Users cannot buy tickets for passengers whose Passenger type does not match the seat type		OK
Expected results and criteria	Error dialog should be shown		OK
Test procedure			
Step number	Operator actions	Expected result and eval crit	
1	Insert the ID of any passenger and select any seat whose seat type		OK

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	does not match the Passenger Type of the selected passenger		
2	Press the buy button	Error dialog should be shown	OK