

Data Dash



Team Blue Moose Testing Document

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Introduction

This testing document follows the same structure as the Team Blue Moose Requirements Specification. The tests are categorized into groups that follow the functional requirements in the requirements specification. Each group name is followed by an ID that corresponds with a section in the requirements specification.

Any error conditions that are being tested will reference specific exceptions in the requirement specification. The error conditions will have an ID, for example “3.2:4”, where the first two numbers are the section in the requirements specification, and the last number is the exception listed in that section.

Run Macro Tests (3.1)

Test Case ID: TC_RM_01

Objective: Successfully run macro

Preconditions: Actor must be logged in, Application is connected to mock database

Step Number	Step Description	Test Data	Expected Result
1.	Pick Macro from drop down menu	Selected macro	Macro is sent to edit mock database and user is notified that Macro is now running
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click "Run Macro" button		

Postconditions: Macro runs on the Database and Actor is notified that the macro has started running

Test Case ID: TC_RM_02

Objective: Successfully send macro to peer review

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick Macro from drop down menu	Selected macro	The macro and its fields are saved and stored in Internal Data Access Layer in the peer review section
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting set for review from drop down menu	Bypass Peer Review box not checked	
4.	Click "Run Macro" button		

Postconditions: Macro and its fields are stored correctly in Internal Data Access Layer in the peer review section

Test Case ID: TC_RM_03

Objective: Error on improper data entry for macro

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick Macro from drop down menu	Selected macro	3.1:2 Error message sent to user saying some of the parameters for the macro are not valid and telling which parameters are invalid
2.	Not all fields picked that are needed for macro to execute	Invalid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click "Run Macro" button		

Postconditions: Error message notifies Actor that the parameters they have entered are invalid or not properly filled the error which are improperly filled are shown to user.

Peer Review Macro Tests (3.2)

Test Case ID: TC_PRM_01

Objective: Approves a macro posted for peer review to run

Preconditions: Actor must be logged in, Macro sent for peer review selected, Application connected to mock database

Step Number	Step Description	Test Data	Expected Result
1.	Actor review macro making sure all fields are correct		Macro is sent to edit mock database and user is notified that Macro is now running
2.	All fields are correct so Actor changes status	Status changed to "reviewed"	
3.	Click "Run Macro" button		

Postconditions: Macro is run against the database, and removed from peer review page

Test Case ID: TC_PRM_02

Objective: Rejects a macro posted for peer review

Preconditions: Actor must be logged in, Macro sent for peer review selected

Step Number	Step Description	Test Data	Expected Result
1.	Actor review macro making sure all fields are correct		The macro and its fields are saved and stored in Internal Data Access Layer in the peer review section with its status set to failure, macro creator is informed macro status has been set to failure
2.	Not fields are correct so Actor changes status	Status changed to "failure"	
3.	Click "Run Macro" button		

Postconditions: Macro status set to failure and failed macro is stored in the peer review section of Internal Data Access Layer, macro creator is informed that the macro status has been set to failure

View Past Macro History Tests (3.3)

Test Case ID: TC_VPMH_01

Objective: View past macro history

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "history" button		History for selected time period ("last week") is displayed
2.	Actor selects a time period	Start and end Date	

Postconditions: Actor is displayed details about a macro run or rejected at peer review stage in the past, including macro type, parameters, and the name of the actor who created and approved or rejected the macro if applicable.

Login Tests (3.4)

Test Case ID: TC_LG_01

Objective: User successfully logs in

Preconditions: Application is connected to mock Active Directory, User is not logged in

Step Number	Step Description	Test Data	Expected Result
1.	Enter username	"admin"	The user is logged in to the system the Main Menu page is displayed
2.	Enter password	"admin"	
3.	Click "Login" button		

Postconditions: User is logged in

Test Case ID: TC_LG_02

Objective: User informed of unsuccessful login

Preconditions: Application is connected to mock Active Directory, User is not logged in

Step Number	Step Description	Test Data	Expected Result
1.	Enter username	An invalid user name	3.4:3 Error message: invalid Username or password
2.	Enter password	Any string	
3.	Click "Login" button		

Postconditions: User is not logged in

Test Case ID: TC_LG_03

Objective: User informed of unsuccessful login

Preconditions: Application is connected to mock Active Directory, User is not logged in

Step Number	Step Description	Test Data	Expected Result
1.	Enter username	A valid user name	3.4:3 Error message: invalid Username or password
2.	Enter password	An invalid password	
3.	Click "Login" button		

Postconditions: User is not logged in

View Failures Tests (3.5)

Test Case ID: TC_VF_01

Objective: View Failures

Preconditions: Actor is logged in, a macro has failed

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "history" button		Failed Macros are displayed including date run, user who initiated and parameters used
2.	Actor selects the Failures subsection		

Postconditions: Failure information is displayed to the developer or admin.

View Dependencies Tests (3.6)

Test Case ID: TC_VD_01

Objective: View dependencies

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "dependencies" tab		Dependencies are displayed
2.	Actor selects the app name and run name		

Postconditions: Dependencies are displayed

Test Case ID: TC_VD_02

Objective: View dependencies

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "dependencies" tab		Actor is notified there are no dependencies
2.	Actor selects the app name and run name		

Postconditions: Actor is notified there are no dependencies

Add Driver Step Row Tests (3.7)

Test Case ID: TC_ADSR_01

Objective: Successfully add driver step row

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick "Add Driver Step Row" Macro from drop down menu	Selected macro	New driver step row is added to the C_DRIVER_STEP table
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click "Run Macro" button		

Postconditions: New driver step row is added to the C_DRIVER_STEP table

Test Case ID: TC_ADSR_02

Objective: Successfully send “Add Driver Step Row” macro to peer review

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick “Add Driver Step Row” Macro from drop down menu	Selected macro	The “Add Driver Step Row” macro and its fields are saved and stored in Internal Data Access Layer in the peer review section
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting set for review from drop down menu	Bypass Peer Review box not checked	
4.	Click “Run Macro” button		

Postconditions: “Add Driver Step Row” Macro and its fields are stored correctly in Internal Data Access Layer in the peer review section

Test Case ID: TC_ADSR_03

Objective: Error on improper data entry for "Add Driver Step Row" macro

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick "Add Driver Step Row" Macro from drop down menu	Selected macro	3.1:2 Error message sent to user saying some of the parameters for the "Add Driver Step Row" macro are not valid and telling which parameters are invalid
2.	Not all fields picked that are needed for macro to execute	Invalid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click "Run Macro" button		

Postconditions: Error message notifies Actor that the parameters they have entered are invalid or not properly filled the error which are improperly filled are shown to user.

Add Driver Schedule Row Tests (3.8)

Test Case ID: TC_ADSDR2_01

Objective: Successfully add driver schedule row

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick "Add Driver Schedule Row" Macro from drop down menu	Selected macro	New Driver Schedule Row is added to the C_DRIVER_SCHEDULE table
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click "Run Macro" button		

Postconditions: New driver schedule row is added to the C_DRIVER_SCHEDULE table

Test Case ID: TC_ADSDR_02

Objective: Successfully send "Add Driver Schedule Row" macro to peer review

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick "Add Driver Schedule Row" Macro from drop down menu	Selected macro	The "Add Driver Schedule Row" macro and its fields are saved and stored in Internal Data Access Layer in the peer review section
2.	Pick Macro fields from drop down menu	Valid macro fields	
3.	Peer review setting set for review from drop down menu	Bypass Peer Review box not checked	
4.	Click "Run Macro" button		

Postconditions: "Add Driver Schedule Row" Macro and its fields are stored correctly in Internal Data Access Layer in the peer review section

Test Case ID: TC_ADSDR_03

Objective: Error on improper data entry for “Add Driver Schedule Row” macro

Preconditions: Actor must be logged in

Step Number	Step Description	Test Data	Expected Result
1.	Pick “Add Driver Schedule Row” Macro from drop down menu	Selected macro	3.1:2 Error message sent to user saying some of the parameters for the “Add Driver Schedule Row” macro are not valid and telling which parameters are invalid
2.	Not all fields picked that are needed for macro to execute	Invalid macro fields	
3.	Peer review setting not set for review from drop down menu	Bypass Peer Review box checked	
4.	Click “Run Macro” button		

Postconditions: Error message notifies Actor that the parameters they have entered are invalid or not properly filled the error which are improperly filled are shown to user.

View Run Names Tests (3.9)

Test Case ID: TC_VRN_01

Objective: View past run names

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the “Run Names” tab		Actor is displayed all run names that were running during that time period
2.	Actor selects the time frame	Start and end Dates	

Postconditions: Actor is shown all run names during the time frame

Test Case ID: TC_VRN_02

Objective: View current run names

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Run Names" tab		Actor is displayed all run names currently running
2.	Actor selects the time frame	"Current"	

Postconditions: Actor is shown all run names that are currently running

Display Historical Trending Tests (3.10)

Test Case ID: TC_HT_01

Objective: Display batch historical trending

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Trends" tab		Actor is displayed all Historical Trending in the Batch category which can be selected and viewed
2.	Actor selects the level(Batch, Job, Step)	"Batch"	

Postconditions: Actor is shown all Historical Trending in the "Batch" category

Test Case ID: TC_HT_02

Objective: Display job historical trending

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Trends" tab		Actor is displayed all Historical Trending in the Job category which can be selected and viewed
2.	Actor selects the level(Batch, Job, Step)	"Job"	

Postconditions: Actor is shown all Historical Trending in the "Job" category

Test Case ID: TC_HT_03

Objective: Display step historical trending

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Trends" tab		Actor is displayed all Historical Trending in the Step category which can be selected and viewed
2.	Actor selects the level(Batch, Job, Step)	"Step"	

Postconditions: Actor is shown all Historical Trending in the "Step" category

View Job Service-level Agreements Tests (3.11)

Test Case ID: TC_JSLA_01

Objective: View Job Service-level Agreements

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Service Level Agreements" tab		Actor is displayed all Service Level Agreements for a certain job
2.	Actor selects a specific Job	"Test Job"	

Postconditions: Actor is able to view Service-level Agreements for a particular job.

View Pending Job Service-level Agreements (3.12)

Test Case ID: TC_PJSLA_01

Objective: View pending Job Service-level Agreements

Preconditions: Actor is logged in

Step Number	Step Description	Test Data	Expected Result
1.	Actor clicks the "Service Level Agreements" tab		Actor is displayed all Pending Service Level Agreements for a certain job
2.	Actor selects the "Pending" tab		
3.	Actor Selects a job in the pending tab	"Pending Test Job"	

Postconditions: Actor is able to view Pending Service-level Agreements for a particular job.