

Test Procedure PPALMS 0.1 Parson Problem Appliance for Learning Management Systems

Test Case PPALMS-0.1-1 **Import file**

Purpose: Load code file from machine via unattended operation.

Owner: Brandon, Jonathan, Chenyang, Yiyu

Expected Results: The data will be loaded without errors, and shown correctly

Test Data: Datafile HTEST.01

Test Tools: Visual studio "java ppalms"

Dependencies: Run "javac main.java" then run "java ppalms"

Initialization: The PPALMS is on the main screen. JAVA PPALMS is running.

Description: Code imported and displayed on the main screen.

PPALMS-0.1-1	PPALMS
Step 1: Click Import button	
Expected result	A window pop up let user to select desired file
Step 2: Double click the code file	
Expected result	code in the file displayed on main screen

Test Cases PPALMS-0.1-2 **Importing file nonselection**

Purpose: Check if there are no selection of file

Owner: Brandon, Jonathan, Chenyang, Yiyu

Expected Results: The data will be loaded without errors, and shown correctly

Test Data: Datafile HTEST.01

Test Tools: Visual studio "java ppalms"

Dependencies: Run "javac main.java" then run "java ppalms"

Initialization: The PPALMS is on the main screen. JAVA PPALMS is running.

Description: File loaded figure out if it is displayed on main screen.

PPALMS-0.1-2	PPALMS
Step 1: Click Import button	
Expected result	A window pop up let user to select desired file
Step 2: Don't select the code file	
Expected result	A windows pop up and reminder no selection

Test Cases PPALMS-0.1-3 **High lighting**

Purpose: Highlight the selected code.

Owner: Brandon, Jonathan, Chenyang, Yiyu

Expected Results: The data will highlighted correctly

Test Data: Datafile HTEST.01

Test Tools: Visual studio "java ppalms"

Dependencies: Run "javac main.java" then run "java ppalms"

Initialization: The PPALMS is on the main screen. JAVA PPALMS is running.

Description: The selected data is highlighted and displayed on main screen

PPALMS-0.1-3	PPALMS
Step 1: highlight desired line with mouse	
Expected result	line should be added to array and a physical highlight should be there

Test Cases PPALMS-0.1-4 **Generating**

Purpose: Generating the parson problems

Owner: Brandon, Jonathan, Chenyang, Yiyu

Expected Results: The data will be loaded without errors, and shown correctly

Test Data: Datafile HTEST.01

Test Tools: Visual studio "java ppalms"

Dependencies: Run "javac main.java" then run "java ppalms"

Initialization: The PPALMS is on the main screen. JAVA PPALMS is running.

Description: Select the code file and generate parson problems

PPALMS-0.1-5	PPALMS
Step 1: Click Import button	
Expected result	A window pop up let user to select desired file
Step 2: Double click the code file	
Expected result	File is displayed
Step 3:	
Expected Result	file should be generated

Test Cases PPALMSS-0.1-5 Generating randomness

Purpose: Check the randomness of the generated problems .

Owner: Brandon, Jonathan, Chenyang, Yiyu

Expected Results: The data will be loaded without errors, and shown correctly

Test Data: Datafile HTEST.01

Test Tools: Visual studio "java ppalms"

Dependencies: Run "javac main.java" then run "java ppalms"

Initialization: The PPALMS is on the main screen. JAVA PPALMS is running.

Description: Code imputed and Check the randomness of generated problems. .

PPALMS-0.1-4	PPALMS
Step 1: Click Import button	
Expected result	A window pop up let user to select desired file
Step 2: Double click the code file	
Expected result	File is displayed
Step 3:	
Expected Result	Click Generate
	file should be generated

Table 3

Test Case	Function being tested
PPALMS-0.1-1	Import(): able to import file
PPALMS-0.1-2	Import(): import nonselection
PPALMS-0.1-3	highLightLines(JTextArea t): able to highlight lines and insert to array
PPALMS-0.1-4	Generate(): able to generate the parson problem file
PPALMS-0.1-5	Generate(): able to generate the file randomly

Functionality	Test Case(s)	Findings
Import file	PPALMS-0.1-1	None
Import file nonselection	PPALMS-0.1-2	None
High lighting	PPALMS-0.1-3	None
Generating	PPALMS-0.1-4	None
Generating randomness	PPALMS-0.1-5	None

Test Case Matrix for Parson Problem Appliance for Learning Management Systems

5 test cases

Test Cases	Date last run	P (pass) or F (fail)
PPALMS-0.1:Test Case Matrix for Parson Problem Appliance for Learning Management Systems		5 test cases
PPALMS-0.1-1	11-30-2022	P
PPALMS-0.1-2	11-30-2022	P
PPALMS-0.1-3	11-30-2022	P
PPALMS-0.1-4	11-30-2022	P
PPALMS-0.1-5	11-30-2022	P