



Module « C++ »

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Project « Piazza »

Software Qualification Specifications (SQS)





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Introduction

The aim of this software qualification specification (SQS) is to present test procedures which will validate the Piazza project.

1. Acronyms table

Acronym	Signification
NA	Not applicable
NR	Not run
POK	Partially OK
TC	Test Case

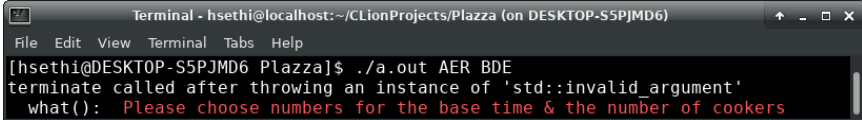
2. Project context

The provider will have to create simple system to take command. For each branch of company has different number of kitchens and cookers. The program must consider that and equilibrate orders between those kitchens and cookers and dispatch them.



3. Manual tests

Description of manual tests if they exist.

MAN_0010	Plazza Test		Result
TC_01	<div>Test with wrong arguments</div> <div>1. Enter the base time & the number of cookers <code>./a.out AER BDE</code></div> <div>2. Result</div> <div></div>	POK	
TC_02	<div>Test with no argument</div> <div>1. Enter the base time & the number of cookers <code>./a.out</code> (default 2000 ms & 5 cookers)</div> <div>2. Choose a pizza 1 (Margarita)</div> <div>3. Choose the size of the pizza 1 (M)</div> <div>4. Choose how many of this pizza is needed 1</div> <div>5. Exit <code>n</code></div> <div>6. See the occupation view of the kitchens & cookers</div>	POK	
TC_03	<div>Test with correct arguments</div> <div>1. Enter the base time & the number of cookers <code>./a.out 1000 4</code></div> <div>2. Choose a pizza 2 (Regina)</div> <div>3. Choose the size of the pizza 3 (XL)</div> <div>4. Choose how many of this pizza is needed 6</div> <div>5. Take another pizza <code>y 3 (American) 2 (L) 4</code></div> <div>6. Take another order <code>y 4 (Fantasia) 1 (M) 2</code></div> <div>7. Exit <code>n</code></div> <div>8. See the occupation view of the kitchens & cookers</div>	POK	
Final result	Execution date	17/12/2017	POK
	Tested version	3.0	
	Tester name	Harshil	



4. Automatic tests

Description of automatic tests if they exist.

AUTO_0010	Description of AUTO_0010 test		Result
TC_01	Get the id of the cooker		POK
TC_02	Get the kitchen		POK
TC_03	Get the number of cookers		POK
TC_04	Give order		POK
TC_05	Get the id of the order		POK
TC_06	Get the command		POK
TC_07	Get the size of the pizza		POK
TC_08	Get the cook time of the pizza		POK
Final result	Execution date	17/12/2017	POK
	Tested version	4.0	
	Tester name	Harshil	

5. Traceability matrix

This matrix make the correspondence between tests and requirements developed in the request for proposal:

Id test	Test title	Id requirement	Requirement description
MAN_02/03	List of Pizza	REQ_FUNC_030	You must consider this list of Pizza
AUTO_07	Get the size of the pizza	REQ_FUNC_040	You must consider this list of size
AUTO_08	Get the cook time of the pizza	REQ_FUNC_060	Each Pizza have time to cook
AUTO_03 MAN_03	Get the number of cookers Enter the number of cookers	REQ_FUNC_080	The numbers of cookers by kitchen is given on launch of program
MAN_02/03	See the occupation wiew of the kitchens & cookers	REQ_IHM_020	You must have kitchens and cookers occupation view
MAN_01/02/03	Enter the base time & the number of cookers	REQ_IHM_010	Implement simple CLI system with line command