Child Management System on Salesforce for CRM Charity

Test Plan

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	- Add Chapter 5
	  - Schedule
	  - Milestone
	- Add Chapter 6
	  - Software Configuration Management
	  - Filename Format
	  - Change Management
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	- Add Chapter 7
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	  - Risk Identification and Solutions
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Chapter One | Introduction

1.1 Purpose

The test document of Child Management System on Salesforce for CRM Charity is established to guarantees that the system will work as it is expected by conducting tests that follows the test plan. The result will be recorded and documented within another document name Test Record.

1.2 Scope

The scope of this document includes the test planning and test data, which will cover for the system test. Child Management System on Salesforce for CRM Charity will be tested with white-box and black-box testing techniques and record the test results in the Test Record document.

1.3 Acronyms and Definitions

Acronyms

IEEE: Institute of Electrical and Electronics Engineers SRS Software
CMS: Child Management System on Salesforce for CRM Charity
ID: Identifier
No.: Number(s)
P/F: Pass/Fail
STC: System Test Case
UC: Use Case
UI: User Interface
URS: User Requirement Specification

Definitions

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1) Requirement "A condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification or other formally imposed documents**"** [IEEE90]

2) Specification "A document that specifies, in a complete, precise, verifiable manner, the requirements, design, behavior, or other characteristics of a system or component, and often, the procedures for determining whether these provision have been satisfied." [IEEE90]

3) System "Computer programs, procedure and associated documentation and data pertain to the operation of a computer system**"** [IEEE90]

4) Test An activity in which a system or component is executed under specified conditions, the results are observed or recorded, and an evaluation is made of some aspect of the system or component. [IEEE90]

5) Test Script a set of instructions that will be performed on the system under test to test that the system functions as expected. [wikipedia]

6) Unit testing Testing of individual hardware or software units or groups of related units. [IEEE90]

7) User refers to all users of the system or in other word, the administrator of foundation for children

1.4 Reference

IEEE 90: IEEE Standard Glossary of Software Engineering Terminology
http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=159342&isnumber=4148

Wikipedia: Test Script
https://en.wikipedia.org/wiki/Test_script

Chapter Two | Test Procedure

2.1 Test Objectives

The objectives of testing for the Child Management System on Salesforce for CRM Charity are:

1. Detect all errors or faults to prevent failure
2. Fix errors or faults that were detected
3. Prove that all the functions work correctly
4. Establish confidence for the team members

2.2 Test Duration

Progress	Date and Duration
Progress Report 1	Perform Date: 27 July 2017 Duration: 3 days

2.3 Test Responsibility

Item	Responsibility
System test of CMS	DO,SU
Record system test of CMS	DO,SU

2.4 Test Strategy

1. Define the test case
2. Prepare the test data
3. Determine the expected output
4. Conduct the test
   4.1 Satisfy all preconditions
   4.2 Follow the test script. When encountering a choice a) or b), choose according to the Test script no. in each Test case.
5. Record the result

2.5 Result of Testing

The result that will be recorded from the outcome will include

- Actual Result : the real outcome after conducting the test
- P/F : pass or fail criteria

Pass: The actual result is the same as the expected output

Fail: The actual result is different from the expected output

2.6 Test Environment

Hardware
1. MacBook Pro (13-inch, 2016, Two Thunderbolt 3 ports)
    - Processor: 2.0GHz Intel® Core™ i5
    - Memory: 16 GB 1867 MHz LPDDR3
    - Graphics: Intel Iris Graphics 540 1536 MB
2. DELL Inspiron 15R
    - Processor: Intel® Core™ i7 3537U Processor
    - Memory: 8GB DDR3L MHz SDRAM
    - Graphics: NVIDIA® GeForce® GTX 965M with 2GB GDDR5

Software
1. Operating System: OS X High Sierra 10.13 Beta (17A306f)
2. Operating System: Windows 10
3. Google Chrome
4. Safari

Chapter Three | System Test

URS-01: Create Baan Tantawan children development

System Test Case 01 (STC-01): The user can create Baan Tantawan children development

Test Flow:

Step	Description
1	Selects the children in children information page.
2	Clicks" New พัฒนาการเด็ก" button on child information page.
3	Inputs data including "วันที่ตรวจประเมิน) Evaluation date)", "ส่วนสูง ณ วันตรวจประเมิน) Height)", "น้ำหนัก ณ วันตรวจประเมิน) Weight)", "เส้นรอบศีรษะ ณ วันตรวจประเมิน) Head circumference)", "ผลการพัฒนากล้ามเนื้อมัดเล็ก) Fine motor)", "ผลการพัฒนากล้ามเนื้อมัดใหญ่) Gross motor)", "ผลการพัฒนาด้านภาษา และสติปัญญา) Intellectual and Language development)", "ผลการพัฒนาด้านสังคม) Social development)", "ผลการพัฒนาการช่วยเหลือตนเอง)Self-sufficient development)", "ผลการพัฒนาอารมณ์ และจิตใจ) Mood development)", "พฤติกรรมด้านบวก) Positive behavior)", "พฤติกรรมด้านลบ)Negative behavior)", "การปรับพฤติกรรม) Behavior modification)", "ผลการปรับพฤติกรรม) Behavior modification result)" , "แผนการช่วยเหลือ)Helping plan)".
4	Clicks "Save" button.
5	See result.

Test Case:

Case	Description	Input		Excepted Result
01	Test that system can create child development when user input all valid data in step 3	Date of evaluate	22/07/2560	Redirect to the created child development information and add create history to the created child development
		Weight	32.5	
		Height	123	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	

		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
02	Test that system cannot create child development when user input invalid date of evaluate in step 3.	Date of evaluate	asdasd	Show message "Invalid Date."
		Weight	32.5	
		Height	123	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
03	Test that system cannot create child development when user does not input date of evaluate in step 3.	Date of evaluate	-	Show message "You must enter a value"
		Weight	32.5	
		Height	123	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	

		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
04	Test that system cannot create child development when user input invalid weight in step 3.	Date of evaluate	22/07/2560	Show message "Invalid Number"
		Weight	asdasd	
		Height	123	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
05	Test that system cannot create child development when user does not input weight in step 3.	Date of evaluate	22/07/2560	Show message "Invalid Number"
		Weight	-	
		Height	123	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	

		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
06	Test that system cannot create child development when user does not input height in step 3.	Date of evaluate	22/07/2560	Show message "You must enter a value"
		Weight	32.5	
		Height	-	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
07	Test that system cannot	Date of evaluate	22/07/2560	Show message "Invalid Number"
		Weight	32.5	
		Height	asdasd	

	create child development when user input invalid height in step 3.	Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intellectual	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
08	Test that system cannot create child development when user input invalid head circumference in step 3.	Date of evaluate	22/07/2560	Show message "Invalid Number"
		Weight	32.5	
		Height	123	
		Head circumference	asd	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to	

			him	
09	Test that system cannot create child development when user does not input head circumference in step 3.	Date of evaluate	22/07/2560	Show message "You must enter a value"
		Weight	-	
		Height	123	
		Head circumference	-	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	

URS-02: Edit Baan Tantawan children development

System Test Case 02 (STC-02): The user can create Baan Tantawan children development

Test Flow:

Step	Description
1	Selects the children in children information page.
2	Clicks "Edit" button on child development information page.
3	Edits data including "วันที่ตรวจประเมิน) Evaluation date)", "ส่วนสูง ณ วันตรวจประเมิน) Height)", "น้ำหนัก ณ วันตรวจประเมิน) Weight)", "เส้นรอบศีรษะ ณ วันตรวจประเมิน) Head circumference)", "ผลการพัฒนากล้ามเนื้อมัดเล็ก) Fine motor)", "ผลการพัฒนากล้ามเนื้อมัดใหญ่) Gross motor)", "ผลการพัฒนาด้านภาษา และสติปัญญา) Intellectual and Language development)", "ผลการพัฒนาด้านสังคม) Social development)", "ผลการพัฒนาการช่วยเหลือตนเอง)Self-sufficient development)", "ผลการพัฒนาอารมณ์ และจิตใจ) Mood development)", "พฤติกรรมด้านบวก) Positive behavior)", "พฤติกรรมด้านลบ)Negative behavior)", "การปรับพฤติกรรม) Behavior modification)", "ผลการปรับพฤติกรรม) Behavior modification result)" , "แผนการช่วยเหลือ)Helping plan)".
4	Clicks "Save" button.
5	See result.

Data for test:

Child name	Napat khamdee	Child development ID	CHILD_DEV-13
Date of Evaluate	22/10/2560	Weight	32.5
Height	123	Head circumference	40
Family status	Normal	Fine motor development	Good strength
Gross motor development	Normal strength	Intellectual development	Normal intelligent
Social development	Anti-social	Self-sufficient development	Good
Mood development	Good	Positive behavior	Have concentrate
Negative behavior	Negative thinking	Behavior modification	Tell bravery adventure tales
Result of behavior modification	Better positive thinking	Helping plan	Have to take care about his social like trying to talk to him

Test Case:

Case	Description	Input		Excepted Result
01	Test that system can update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV -13" in step 2. After that, user input all valid data in step 3.	Date of evaluate	22/07/2560	Redirect to the updated child development information and add update history to the updated child development
		Weight	32.5	
		Height	125	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
02	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV -13" in step 2. After that, user input invalid date in step 3.	Date of evaluate	asdasdasd	Show message "Invalid Date."
		Weight	32.5	
		Height	125	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior	Tell bravery	

		modification	adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
03	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV -13" in step 2. After that, user does not input date of evaluate in step 3.	Date of evaluate	22/07/2560	Show message "You must enter a value"
		Weight	32.5	
		Height	125	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
04	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV	Date of evaluate	25/07/2560	Show message "Invalid number"
		Weight	32.5	
		Height	asdsad	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient	Good	

	-13" in step 2. After that, user input invalid height in step 3.	development		
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
05	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV -13" in step 2. After that, user does not input height in step 3.	Date of evaluate	25/07/2560	Show message "You must enter a value"
		Weight	32.5	
		Height	-	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
06	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then	Date of evaluate	25/07/2560	Show message "Invalid number"
		Weight	asdq	
		Height	125	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	

		user click "Edit" in front of "CHILD_DEV-13" in step 2. After that, user input invalid weight in step 3.	Intellectual development	Normal intelligent	
			Social development	Anti-social	
			Self-sufficient development	Good	
			Mood development	Good	
			Positive behavior	Have concentrate	
			Negative behavior	Negative Thinking	
			Behavior modification	Tell bravery adventure tales	
			Result of behavior modification	Better positive thinking	
			Helping plan	Have to take care about his social like trying to talk to him	
07	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV-13" in step 2. After that, user does not input weight in step 3.	Date of evaluate	25/07/2560	Show message "You must enter a value"
		Weight	-	
		Height	125	
		Head circumference	40	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
08	Test that system cannot update child development	Date of evaluate	25/07/2560	Show message "Invalid number"
		Weight	32.5	
		Height	125	
		Head circumference	I have a plan	
		Family status	Normal	

	when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV-13" in step 2. After that, user input invalid head circumference in step 3.	Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	
09	Test that system cannot update child development when user clicks "Napat Khamdee" in step1 then user click "Edit" in front of "CHILD_DEV-13" in step 2. After that, user does not input head circumference in step 3.	Date of evaluate	25/07/2560	Show message "You must enter a value"
		Weight	32.5	
		Height	125	
		Head circumference	-	
		Family status	Normal	
		Fine motor development	Good strength	
		Gross motor development	Normal strength	
		Intellectual development	Normal intelligent	
		Social development	Anti-social	
		Self-sufficient development	Good	
		Mood development	Good	
		Positive behavior	Have concentrate	
		Negative behavior	Negative Thinking	
		Behavior modification	Tell bravery adventure tales	
		Result of behavior modification	Better positive thinking	
		Helping plan	Have to take care about his social like trying to talk to him	

URS-03: View Baan Tantawan children development

System Test Case 03 (STC-03): The user can create Baan Tantawan children development

Test Flow:

Step	Description
1	Selects the children in children information page.
2	Clicks development record.
3	See result.

Data for test:

Child name	Napat khamdee	Child development ID	CHILD_DEV-13
Date of Evaluate	22/10/2560	Weight	32.5
Height	123	Head circumference	40
Family status	Normal	Fine motor development	Good strength
Gross motor development	Normal strength	Intellectual development	Normal intelligent
Social development	Anti-social	Self-sufficient development	Good
Mood development	Good	Positive behavior	Have concentrate
Negative behavior	Negative thinking	Behavior modification	Tell bravery adventure tales
Result of behavior modification	Better positive thinking	Helping plan	Have to take care about his social like trying to talk to him

Test Case:

Case	Description	Excepted Result
01	Test that system can view Child Development When user clicks "Napat Khamdee" in step1then click "CHILD_DEV-13" in step 2.	Show information of children development including Child name: Napat Khamdee Date of evaluate: 22/10/2560 Weight: 32.5 Height: 123 Head circumference: 40 Family status: Normal Fine motor development: Good strength Goss motor development: Normal strength Intellectual development: Normal Intelligent Social development: Anti-social Self-sufficient development: Good Mood development: Good

		Positive behavior: Have concentrate Negative behavior: Negative thinking Behavior modification: Tell bravery adventure tales Result of behavior modification: Better positive thinking Helping plan: Have to take care about his social like trying to talk to him

URS-04: Delete Baan Tantawan children development

System Test Case 04 (STC-04): The user can create Baan Tantawan children development

Test Flow:

Step	Description
1	Selects the children in children information page.
2	Clicks "Del" button on child development information page.
3	Clicks confirms button.
4	See result.

Data for test:

Child name	Napat khamdee	Child development ID	CHILD_DEV-13
Date of Evaluate	22/10/2560	Weight	32.5
Height	123	Head circumference	40
Family status	Normal	Fine motor development	Good strength
Gross motor development	Normal strength	Intellectual development	Normal intelligent
Social development	Anti-social	Self-sufficient development	Good
Mood development	Good	Positive behavior	Have concentrate
Negative behavior	Negative thinking	Behavior modification	Tell bravery adventure tales
Result of behavior modification	Better positive thinking	Helping plan	Have to take care about his social like trying to talk to him

Test Case:

Case	Description	Excepted Result
01	Test that system can delete child development when user clicks "Napat Khamdee" in step1 then user click "Del" in front of "CHILD_DEV-13" in step 2.	Redirect to the deleted child development's child information.