

Project Name - cQube

Test Plan Document

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Version 1.2

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1 INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

- This document describes the plan for testing the Ccube Application. This Test Plan document supports the following objectives:
- Identify existing project information and the software that should be tested.
- List the recommended test requirements (high level).
- Recommend and describe the testing strategies to be employed.
- Identify the required resources and provide an estimate of the test efforts.
- List the deliverable elements of the test activities.

2 TEST ITEM

2.1 PROJECT DESCRIPTION

EkStep and Tibil Solutions are embarking on a project to create an analytic's product which can act as a Collaborative Command Center, 'cCube' for the education system. This product can be used for monitoring the education system in a state and on a broader scale for monitoring the schools across the state/ districts/ clusters/ blocks/ villages and schools. This document describes the product design and the specification requirements for the cCube product.

2.2 ITEMS TO BE TESTED

Item to Test	Test Description	Test Date	Responsibility
Installation	Smoke testing for installation		
Configuration	Compatibility Testing		
Work-flow	Functional Testing		
Visualization	All type of testing can be applicable		

ITEMS NOT TO BE TESTED

Item Not to Test	Comment

2.3 TEST APPROACH(S)

The project is using an agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested.

Exploratory testing will play a large part of the testing as the team has never used this type of tool and will be learning as they go, Tests for planned functionality will be created and added as we get iterations of the product.

Installation - Manual Only

Configuration - Manual Only

Work-Flow – Manual Only

Visualization – Manual + automation

Load Testing – jmeter/Postman

Performance – jmeter/Postman

These are list of testing types can be do in this application

Functional Testing

Integration Testing

System Testing

Compatibility Testing

Sanity Testing

Smoke Testing

Note: *Automation is supports only for Web Application so we can not do automation from installation on words , mean while start at URL of cQube application (login)*

2.4 TEST PASS / FAIL CRITERIA

** All the major functionality of the application should work as intended and the pass percentage of test cases should be more than 95% and there should not be any critical bugs.*

2.5 TEST ENTRY / EXIT CRITERIA

2.5.1 Entry Criteria

- The requirement document should be available.
- Complete understanding of the application flow is required.
- The Test Plan Document should be ready.

2.5.1 Entry Criteria

- Test Cases should be written and reviewed.
- Test Data should be identified and ready.
- Test automation script should be ready if applicable.

2.6 TEST DELIVERABLE'S

- *Technical Document*
 - *Test plan document.*
 - *Test cases.*
 - *Test Case Execution Report.*
-

2.7 TEST SUSPENSION / RESUMPTION CRITERIA

- *If any of the major functionalities are not functional or system experiences login issues then testing should be suspended.*

2.8 STAFFING / TRAINING NEEDS

For this application, there is no need for staffing or training

3 RISK AND MITIGATION

3.1 TEST RISKS / ISSUES

Assumptions

This section lists assumptions that are made specific to this project.

1. Delivery of the product is in a format that the test team can check it into CVS.

1.1 RISKS

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Trigger	Mitigation Plan
	Scope Creep –as testers become more familiar with the tool, they will want more functionality	High	Delays in implementation date	Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out.
	Changes to the functionality may negate the tests already written and we may lose test cases already written	High – to schedule and quality	Loss of all test cases	Export data prior to any upgrade, migrate as necessary and re-import after upgrade.
	Weekly delivery is not possible because the developer works off site	Medium	Product did not get delivered on schedule	

4 TEST ENVIRONMENT AND INFRASTRUCTURE

4.1 REQUIRED INFRASTRUCTURE

For this , we need separate Testing environment as QA sandbox for both manual and automation

4.2 AVAILABILITY PLAN

Planned for QA sandbox to be used for Automation

5 ROLES AND RESPONSIBILITIES

5.1 ROLES AND ASSIGNED RESPONSIBILITIES

Role	Responsibility
Test plan	It should be prepared by Test Lead as well as Testers
Test Cases	It should be prepared and executed by testers.
Test Execution Report	It should be prepared and executed by testers.

6 TEST SCHEDULE

6.1 MILESTONES AND SCHEDULE

[Describe the describe key milestones, deliverable's, efforts, start date and end date]

Milestone	Deliverable	Effort(Person Hour)	Start Date	End Date

APPROVAL

The undersigned acknowledge they have reviewed the document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

[List the individuals whose signatures are required. Examples of such individuals are Business Steward, Technical Steward, and Project Manager. Add additional signature lines as necessary.]

Signature:	_____	Date:	_____
Print Name:	_____		
Title:	_____		
Role:	_____		

Signature:	_____	Date:	_____
Print Name:	_____		
Title:	_____		
Role:	_____		

Signature:	_____	Date:	_____
Print Name:	_____		
Title:	_____		
Role:	_____		

Appendix A: References

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location
cQube 1.12	Test plan details	<i><URL or Network path where document is located></i>

Appendix B: Key Terms

** Insert terms and definitions used in this document. Add rows to the table as necessary **

The following table provides definitions for terms relevant to this document.

Term	Definition
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
