Test Plan

Yallakora

Document History- To maintain a list of changes being made

Version	Date	Author	Description of Change
1	29/11/2019	Nada Elantry	Create

Approves List- To track who has reviewed and sign-off on the Test plan

Name	Role	Approve / Reviewer	Approval / Review Date

Reference Documents-Clearly mark the document used as an input to create the test plan

Version	Date	Document Name
1.0		Yallakora test-plan v1.0

Table of content

Introduction

The Test Plan has been created to facilitate communication within the team members. This document describe approaches and methodologies that will apply to the unit, integration and system testing of the "yallakora application" . It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, entry and exit criteria and approach. This document has clearly identified what the test deliverable will be, and what is deemed in and out of scope.

SCOPE

The document mainly targets the UI testing and validating data in report output as per Requirements Specifications provided by Client.

1.1 Functions to be tested.
- UI
- Performance
- Data (content , photos)

1.2 List of Application feature

Splash screen	
	Scroll-able news bar
	Today matches
	All matches link
	Important news
	All news link
Home page	Advertisement
	menu of all matches
	Category of date and day of matches
	Calendar
	Live matches
	List of matches
Matches	Advertisement
Championship	List of all championship
	Latest news
	Other sports
	Advertisement
	Scroll-able news bar
News	List of news

TEST APPROACH

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.

Team also must used experience-based testing and error guessing utilize testers' skills and intuition, along with their experience with similar applications or technologies.

ROLES AND RESPONSIBILITIES

Role	Staff Member	Responsibilities
Project Manager		1. Acts as a primary contact for development and QC team. 2. Responsible for Project schedule and the overall success of the project.
QC Lead		1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QC analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM
QC		1. Understand requirements 2. Writing and executing Test cases 3. Reviewing Test cases 4. Defect reporting and tracking 5. Retesting and regression testing 6. Bug Review meeting 7. Preparation of Test Data 8. Coordinate with QC Lead for any issues or problems encountered during test preparation/execution/defect handling.

ENTRY AND EXIT CRITERIA

Entry Criteria

- All test hardware platforms must have been successfully installed, configured, and functioning properly.

- All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.

- All the standard software tools including the testing tools must have been successfully installed and functioning properly.

- Proper test data is available.

- The test environment such as, lab, hardware, software, and system administration support should be ready.

- QC resources have completely understood the requirements

- QC resources have sound knowledge of functionality

Exit Criteria

- No high priority or severe bugs are left outstanding.

- A certain level of requirements coverage has been achieved.

- All high-risk areas have been fully tested, with only minor residual risks left outstanding.

- The schedule has been achieved

TEST STRATEGY

1. QC role in test process

- Understanding Requirements:

- Requirement specifications will be sent by client.

- Understanding of requirements will be done by QC

- Preparing Test Cases:

QC will be preparing test cases based on the exploratory testing. This will cover all scenarios for requirements.

- Preparing Test Matrix:

QC will be preparing test matrix which maps test cases to respective requirement. This will ensure the coverage for requirements.

- Reviewing test cases and matrix:

• Peer review will be conducted for test cases and test matrix by QC Lead

• Any comments or suggestions on test cases and test coverage will be

provided by reviewer respective Author of Test Case and Test Matrix

• Suggestions or improvements will be re-worked by author and will be send for approval

• Re-worked improvements will be reviewed and approved by reviewer

- Creating Test Data:

Test data will be created by respective QC on client's developments/test site based on scenarios and

Test cases.

- Executing Test Cases:

• Test cases will be executed by respective QA on client's development/test site based on designed

scenarios, test cases and Test data.

• Test result (Actual Result, Pass/Fail) will updated in test case document Defect Logging and Reporting:

QA will be logging the defect/bugs in Word document, found during execution of test cases. After this,

QA will inform respective developer about the defect/bugs.

- Retesting and Regression Testing:

Retesting for fixed bugs will be done by respective QC once it is resolved by respective developer and

bug/defect status will be updated accordingly. In certain cases, regression testing will be done if
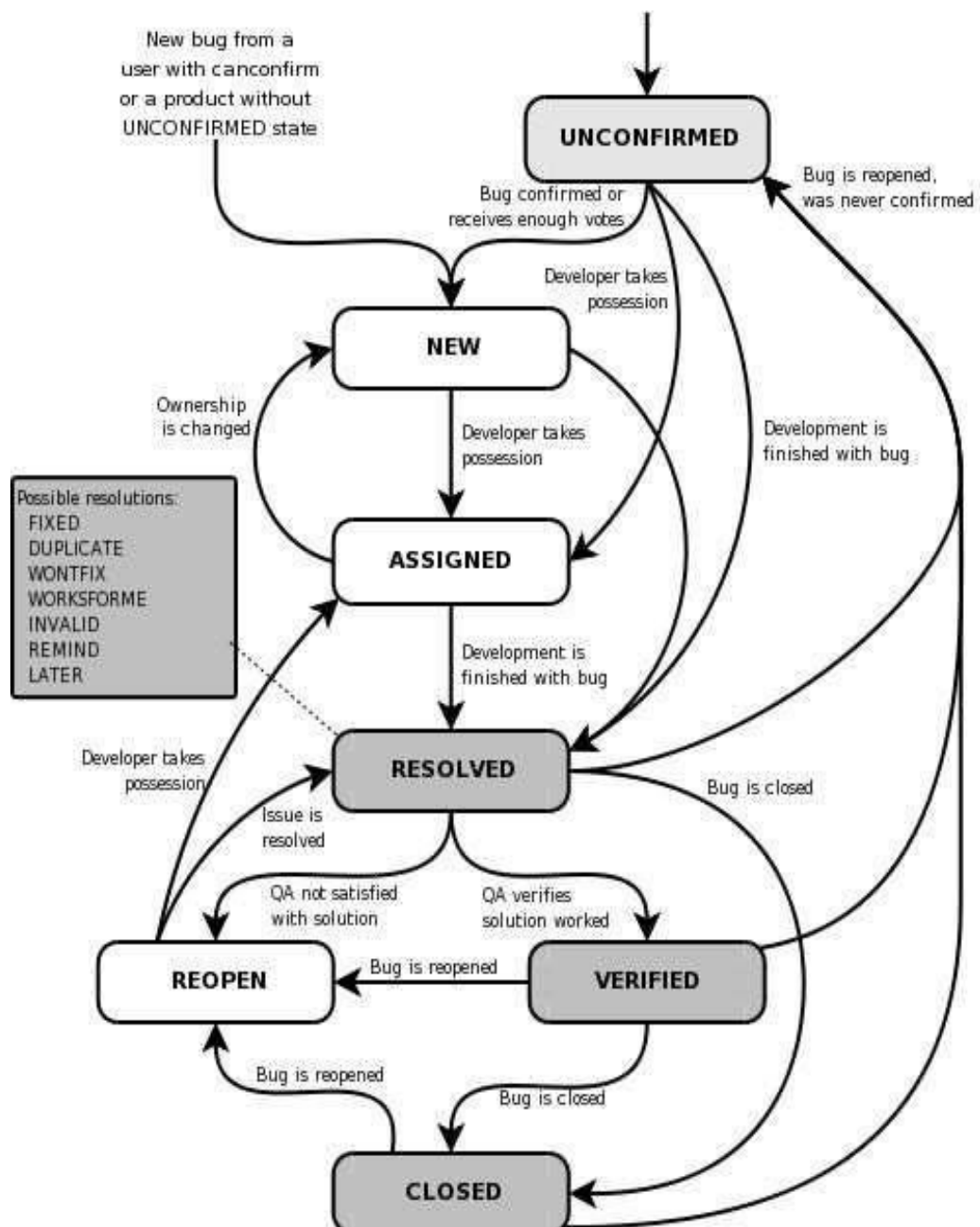
required.

- Deployment/Delivery:

• Once all bugs/defect reported after complete testing is fixed and no other bugs are found,

report will be deployed to client's test site by PM.

• Once round of testing will be done by QC on client's test site if required Report will be delivered along

with sample output by email to respective lead and Report group.

• QC will be submitting the filled hard copy of delivery slip to respective developer.

• Once lead gets the hard copy of delivery slip filled by QC and developer, he will send the report

delivery email to client.

2. Bug life cycle:

All the issues found while testing will be documented

Bug life cycle for this project is as follows:

3. Testing types

Black box testing:

It is some time called behavioral testing or Partition testing. This kind of testing focuses on the functional requirements of the software. It enables one to derive sets of input conditions that that will fully exercise all functional requirements for a program.

UI Testing:

GUI testing will includes testing the UI part of report. It covers users Report format, look and feel, error messages, spelling mistakes, GUI guideline violations.

Integration Testing:

Integration testing is systematic technique for constructing the program structure while conducting test to uncover errors associated with interacting. In Report, integration testing includes the testing Report from respective location(s).

Functional Testing:

Functional testing is carried out in order to find out unexpected behavior of the report. The characteristic of functional testing are to provide correctness, reliability, test ability and accuracy of the report output/data.

System Testing:

System testing of software is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements.

Performance Testing:

- Check the optimal time the page is loaded
Check the operation of the system under load

- User acceptance testing:

- The purpose behind user acceptance testing is to conform that system is developed according to the specified user requirements and is ready for operational use. Acceptance testing is carried out at two levels - Alpha and Beta Testing. User acceptance testing (UAT) will be done at the Client.

- Alpha testing:

- The alpha test is conducted at the developer's site by client.

4. Bug Severity and Priority Definition

Bug Severity and Priority fields are both very important for categorizing bugs and prioritizing if and when the bugs will be fixed. The bug Severity and Priority levels will   be defined as outlined in the following tables below. Testing will assign a severity level to all bugs. The Test Lead will be responsible to see that a correct severity level is assigned to each bug.

Severity list

Severity ID	Severity	Severity Description
1	Critical	The module/product crashes or the bug causes non- recoverable conditions.
2	High	Major system component unusable due to failure or incorrect functionality. 2 .bugs can have a work around, but the work around is inconvenient or difficult.
3	Medium	Incorrect functionality of component or process
4	Minor	Documentation errors

Priority list

Priority	Priority Level	Priority Description
1	Must Fix	This bug must be fixed immediately; the product cannot ship with this bug.
2	Should Fix	These are important problems that should be fixed as soon as possible. It would be an embarrassment to the company if this bug shipped.
3	Fix When Have Time	The problem should be fixed within the time available. If the bug does not delay shipping date, then fix it.
4	Low Priority	It is not important (at this time) that these bugs be addressed. Fix these bugs after all other bugs have been fixed. Enhancements/ Good to have features incorporated- just are out of the current scope.

RESOURCE AND ENVIRONMENT NEEDS

Testing Tools

Process	Tool
Test case creation	Jira
Test case tracking	Jira
Test case execution	Jira
Test case management	Jira
Defect management	Jira
Test reporting	PDF
Check list creating	Microsoft Excel

Test Environment

Mobile :
1. I phone device
2. Android device
3. I pad
4. Tablet
Note : with different versions and screen sizes

Website :
1. Windows 8: Edge, Chrome (latest), Firefox (latest), Safari (latest)
2. Mac OS X: Chrome (latest), Firefox (latest), Safari (latest)

TEST SCHEDULE

Task Name	Start	Finish	Effort	Comments
Test Planning				
Review Requirements documents				
Create test basis				
Staff and train new test resources	-	-		

First deploy to QA test environment			
Functional testing Iteration 1			
Iteration 2 deploy to QC test environment			
Functional testing Iteration 2			
System testing			
Regression testing			
UAT			
Resolution of final defects and final build testing			
Deploy to Staging environment			
Performance testing			
Release to Production			

APPROVALS:

The Names and Titles of all persons who must approve this plan.

	Project Manager	QC Lead
Name		
Signature		