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TEST PLAN FOR V5.26

Document Change History

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| --- | --- | --- | --- |
| Version Number | Date | Contributor | Description |
| V1.0 | 29.10.2019 | Alaa Magdi | Initial plan |
| V2.0 | 7.11.2019 | Team Member 2 | Test Cases Added |
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# Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

## Objectives

Yalla Kora is both a web-based and mobile application that brings users the latest news and fixture time of local and international football matches. Initially Yalla Kora was web based but now it’s mobile application can be found on both android and iOS. The test team is responsible for testing the mobile application and ensuring it meets all the quality standards in terms of coverage and functionality.

## Team Members

|  |  |
| --- | --- |
| Resource Name | Role |
| Team Member 1 | Test Manager |
| Team Member 2 | Tech Lead |
| Team Member 3 | Tester |
| Team Member 4 | Tester |

# Scope

In Scope:

The testing team is tasked with ensuring the full functionality of the 4 tabs of Yalla Kora which are:

* Main Page
* Matches
* Championships
* News

As the team works with the product they will define the needs for the second phase.

Out of Scope:

For this phase, Load testing will not be considered part of this project since the user base is known and not an issue.

# Assumptions / Risks

## Assumptions

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

1. Agreed upon list of requirements for each iteration should be presented to the testing team to ensure timely delivery
2. A stable and steady environment must be present.
3. All testing resources assigned will be available for the testing and any quality related tasks in regard to this product.
4. The development team performs the unit tests.
5. The testing team will be in charge of sanity, integration and regression tests.

## 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 |
| 1 | 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. |
| 2 | Changes to the functionality may negate the tests already written and will need a full regression with the possibility of high chance of finding bugs | High – to Medium | Loss of all test cases | All major changes must be communicated beforehand to the team to ensure that no double effort will be made and that regression scripts and tests are ready |
| 3 | Unavailability of test environment | High – to schedule and quality | For any reason, the testing environment might not be avialble | A fast approach must be taken in less than 24 hours so that the testing schedule will not be highly affected. |
| 4 |  |  |  |  |

# 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.

Exploratory testing will play a large part of the testing to ensure good coverage and the non-existence of software bugs.

At the end of iteration cycles, regression tests will be run to ensure old functionalities are up and running and that no bug fixing has altered the results of any of the new functionalities.

## Test Automation

Automated unit tests are part of the development process, but no automated functional tests are planned at this time.

## High Level Test Scenarios

In the excel sheet attached are the High-Level Scenarios for the product



# Test Environment

A test environment is required that includes the application and the database as well as 3 smart phones to enable the team to test the product as it is mobile based.

# Milestones / Deliverables

## Test Schedule

The initial test schedule follows

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task Name | Start | Finish | Effort | Comments |
| Test Planning | 3.11.2019 | 6.11.2019 | 2 d |  |
| Review Requirements documents | 4.11.2019 | 7.11.2019 | 4 d |  |
| Create initial test estimates | 10.11.2019 | 11.11.2019 | 2 d |  |
| Staff and train new test resources | NA | NA | NA | All team members are familiar with the product |
| First deploy to QA test environment | 14.11.2019 | 14.11.2019 | 0.5 d |  |
| Functional testing – Iteration 1 | 17.11.2019 | 21.11.2019 | 5 d |  |
| Iteration 2 deploy to QA test environment | 24.11.2019 | 24.11.2019 | 0.5 d |  |
| Functional testing – Iteration 2 | 24.11.2019 | 1.12.2019 | 5.5 d |  |
| Iteration 2 deploy to QA test environment | 1.12.2019 | 1.12.2019 | 0.5 d |  |
| Functional testing – Iteration 2 | 2.12.2019 | 8.12.2019 | 5 d |  |
| System testing | 17.11.2019 | 8.12.2019 | 5 d |  |
| Regression testing | 9.12.2019 | 12.12.2019 | 4 d |  |
| UAT | 15.12.2019 | 17.12.2019 | 3 d |  |
| Resolution of final defects and final build testing | 18.12.2019 | 24.12.2019 | 5 d | Team Member 1: Highly dependent on the timeliness of the development team |
| Deploy to Staging environment | 26.12.2019 | 26.12.2019 | 1 d |  |
| Performance testing | NA | NA | NA | As mentioned in the Scope, won’t be part of testing activities |
| Release to Production | 1.1.2020 | 1.1.2020 |  |  |

## Deliverables

|  |  |  |
| --- | --- | --- |
| Deliverable | For | Date / Milestone |
| Test Plan | Project Manager; Test Manager; Test Team | 6.11.2019 |
| Traceability Matrix | Project Manager; QA Director |  |
| Test Results | Project Manager | 24.12.2019 |
| Test Status report | Test Manager, QA Director | Weekly Status reports starting 14.11.2019 |