Test strategy document

Playvera

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Introduction

Components of Test strategy includes- objectives and scope, documentation formats, test processes, team reporting structure, client communication strategy, etc. Test planning is done to determine possible issues and dependencies in order to identify the risks.

Who is this document to be reviewed by?

This document is meant for software testers to view and understand the architecture of how the software is set up and tested accordingly. It is meant to give a clear picture of how the components work and what kind of tests are applied in order to keep them up to date and verify their integrity.

Who will approve this document?

This document is created to be viewed and approved by the product owner/owners of the software. All of the testing that is done and the methods used to test should be presented in a clear and understandable manner using different tables, pseudo-code and picture material.

Test approach

This section of the document defines the testing methods used throughout the application, different tools used in order to test and the level of depth that the testing is taken to.

Testing methods

In order to provide a sufficient level of testing, **Playvera** uses the following test methods and variations. Brief details are provided in order to inform the reader of what each method represents.

1. **Back-end unit testing**: Backend testing is a type of testing that checks the Application and Database layer of a 3 Tier Architecture.
   In a complex software application like ERP, back-end testing would entail checking the business logic in the Application Layer. For simpler applications, backend testing checks the server-side or Database. It means that data entered in the front end will be checked in the back-end database.

2. **Front-end cypress testing**: *What is front-end testing?* Front end testing is performed to check the functionality and usability of an application's GUI. It usually involves validating menus, forms, buttons, and other elements of the application that are visible to end-users.
   What is cypress? Cypress is a purely JavaScript-based front end testing tool built for the modern web. It aims to address the pain points developers or QA engineers face while testing an application. Cypress is a more developer-friendly tool that uses a unique DOM manipulation technique and operates directly in the browser.

3. **Postman/newman testing:** Postman is an application used for API testing. It is an HTTP client that tests HTTP requests, utilizing a graphical user interface, through which we obtain different types of responses that need to be subsequently validated.

Testing and release control

Release control

Testing version	Date tested
Ver.1	Sep 19, 2021
Ver.2	October 9, 2021
Ver.3	November 8, 2021
Ver.4	November 31, 2021
Ver.5	December 19, 2021

Testing

Tests	Test result	Test remarks by tester
Get all users	Pass	
Get user by id	Pass	
Get user roles	Pass	
Get user by email	Pass	
Save user	Pass	
Add role to user	Pass	

Change password	Pass	
Get all games	Pass	
Change game play type	Pass	
Save game	Pass	
Get game by game type	Pass	
Change game user	Pass	