06P: PHP-SRePS : Quality Model

Group 07

Tutorial : Wednesday 8:30-10:30 Odd week.
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Executive Summary

The Goal of this document is to propose the Quality of the product and define the definition of done (Final shippable product) for our project: sales reporting and prediction system application for people health pharmacy.

Introduction

An important part of all project development is to establish expectations and goals to be able to measure how a project is progressing. Especially so when in an agile development, such as in sprint stages. The shippable product will differ from person to person, and therefore as a team, it is important to work together to get a definition of done developed. This then needs to be checked with what the client requires, to check if it allows and meets what the client is asking for, so that the system designed and implemented is indeed what they are after. Scope and key deliverables are also needed to help guide the definition into a guide that can be used to check and in turn guide the progress of the project.

Definition of Done

To be able to consider the project as complete and shippable to the client, we must deliver on the agreed upon requirements for the project. The following have been based on prior project proposals and have been considered in depth.

- Code is able to be read and easy to follow.
- Code commented appropriately to describe functions, and sections of code.
- Follow standards for code, such as indentation, well defined variables, and functions.
- Changes to code must be easy to implement or edit.
- Functionality of adding, editing, viewing and analysing sales records, is developed and working to clients satisfaction.
- User manual and documentation must be written, including training guides and a detailed manual for users.
- Develop a GUI for interactions with the application.
- Integration of code and refactoring completed.
- Testing has be completed – Performance: ensure speed, response time, and stability of the program; Regression: when changes are made, that the change does not interrupt functionality; User: able to understand and operate the application; and Integration: samples are used to look at front and back end functionality.
- Testing with clients to ensure ease of use and user solution comprehension.

- Client is satisfied with the overall project, after testing, training, documentation, and implementation is completed.

SMART

Specific, Measurable, Achievable, Realistic, and Time bound (SMART) is used to determine if goals for the project are suitable by ensuring they meet the criteria in the name. if a goal does not meet all of the criteria, it is very likely to be difficult to achieve. The objects for the project for PHP will be high-level goals based on the SMART system. These goals are as follows:

- Users must be able to search for sales records or items, using time, and item details. A search should be completed with all relevant data retrieved within 2 seconds from the user starting the search, which could be triggered by pressing the enter key on a keyboard or clicking the search button.
- Generate monthly and weekly CSV files for sales records. Downloads of previous reports should be made available through the application. These reports should be available every Monday, or first day of the month.
- Login should be able to be authenticated within 2 seconds from time of submission, made available through a web client.
- Predictions should be viewable within 2 seconds of the user making a request.
- Users should be able to learn all standard functionality of the application within 2 weeks of training.
- Staff of the client should be able to identify and have appropriate privileges based on their roles in the system.

Conclusion

This report ensures that the project is completed and requirements have been met. It allows the project to be kept on track and ensures the quality to be suitable for the client. This has been achieved by analysing the requirements of the project, and developing a set of goals, and a definition of done. This report will guide the team on the quality of the project, and facilitate a smooth development, as well as successfully ship a project that is complete and meets the clients requirements for the project.

Team Member Comments:

Tristan:

As a team we have been able to work together to create goals that both allow us to construct a definition of done and achieve a similar result with SMART. We believe that these will be appropriate for the project, and help guide us to a final product that is shippable and complete to the standards the client requires. These goals have been created based on the clients requirements, as well as expectations. I agree that we will be able to achieve a final product based on what the team has outlined in the above document. I am pleased with the efforts of the team and how well we have managed the task. As well as progress we have made towards having a working final solution for the client.

Cameron:

Reading through each of our individual proposals has allowed us to draw from individual components of reports generated from 6 different viewpoints, which ensures we have considered a wide range of options for defining when our project will be considered done and identifying important SMART goals to achieve across the course of this project.

Con:

I agree with the team's definition of done and quality requirements of the project. We have all contributed to the definition of done, and all understand when our project will be done. We also have a clear understanding of what our goals are and how we will measure them to ensure they are met.

Naveen:

After brainstorming ideas, We as a team have come up with this Quality model for PHP-SRePS. We have developed this model with a SMART approach. Having 6 team members ideas and input helped us in developing a satisfactory model. This model also ensured that all team members are on the same page and are fully aware of the product's goals and expectations. We believe that this model will satisfy all stakeholders and ensure the final product is shippable.

Yuvraj:

I agree with the final definition of done and quality requirements that we have been able to define as a team. Every team member came up with their own definition of done but we were able to find some common ground and turn up with a unified definition that encompasses everyone's idea of done. While going through the goals for our project, a lot of diverse ideas were considered. As a result, we were able to settle on the project goals with the help of SMART approach. Since I was able to contribute by communicating my ideas with my team members, I am satisfied with the final definition of done and the quality requirements.

Nicolas:

I agree with what the team has defined what 'done' should be and also the quality requirements for when the project can be deemed complete and shippable to the client. The SMART system has been used so that the goals for the project can be carefully thought out and most importantly, achievable. What the team has come up with for this task I am happy with and in complete agreement.