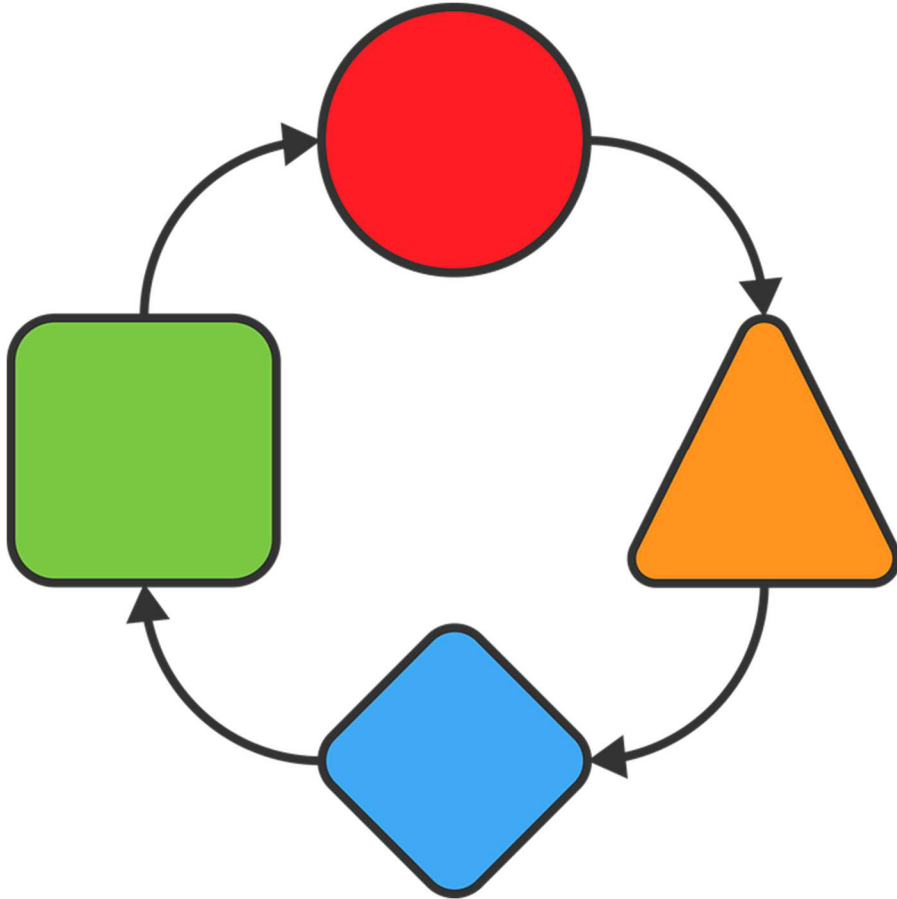
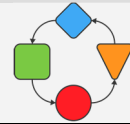


REQUIREMENTS DOCUMENT



WQC



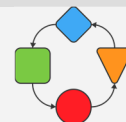
Version History

Data	Versão	Descrição	Autor	Revisor
25/10/19	1.0	Initial version	Richard Cardoso	-

Client Weger Walter GmbH
Document Requirements Document: WQC
Date 25 October 2019
Author **Richard Cardoso**
richard.cardoso@weger.com.br

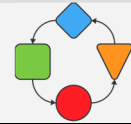
Signatures

Reviewed and
Approved by:



Summary

1. DOCUMENT GOAL	4
2. FUNCTIONAL REQUIREMENTS.....	4
3. NON-FUNCTIONAL REQUIREMENTS	5
4. BUSINESS RULES.....	5

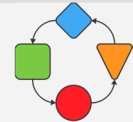


1. Document goal

This document describes the WQC system's requirements.

2. Functional requirements

ID	Description	P.S.
FR001	The system should allow a qr-code to be scanned	BR012
FR002	The system should retrieve from the server some pdf documents that belongs to the project to which the qr-code referees to	BR003
FR003	The system should scan all the project's subfolders in order to retrieve all pdf documents that can be parsed to a report file (by having the filename beginning with one of the report types codes)	BR011
FR004	The system should allow the user to add checks (marks) onto the reports	
FR005	The system should save a copy of the original pdf's and this copy should contain the marks added by the users	
FR006	The system should allow users to fill a predefined form of items with a state (approved, not approved, not applicable, not checked)	BR005, BR006, BR007, BR008
FR007	For each of those items, the system should allow the user to take a picture which will refer to the corresponding item	
FR008	The system should store each one of those items state and properties	
FR009	The system should allow the user to inform data about the customer that requested this project	
FR010	The system should allow the user to take several project-related pictures (shared across all drawings and parts of the same project)	
FR011	The system should export/save all data (marked reports and taken pictures) to the fileserver	
FR012	The exported/saved data should always be up to date (it should be updated whenever a change is made by any user)	
FR013	The system should allow multiple users to work with the app at the same time (multi-user feature)	
FR014	The multi-user feature should work even when two or more users are working at the same entity (i.e. at the same report)	
FR015	The system should identify each one of the devices individually	
FR016	The system should allow devices to be registered / edited / enabled / disabled	
FR017	The system should allow to assign one or more roles to each device.	
FR018	Roles are defined as following Short label: TE, Full label: Technician. This role has read-only access to the project's contents. Short labels: MG, EL, QC. Full labels: Magazine, Electrician, Quality-control: Those roles have read-write access to the project's contents.	
FR019	All roles can capture general pictures.	
FR020	The assigned roles short label (MG, TE, ...) should be shown up at each of the marks that the user adds to the reports surrounded.	
FR021	Only authorized devices can access data from the projects	



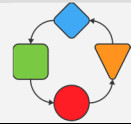
FR022	All pictures should be saved inside the 'Fotos' folder of the corresponding project folder	
FR023	All reports generated by the system should be saved inside a folder named 'Qualitaetskontrol'. This folder should be located at the corresponding project folder (according to the qr-code)	

3. Non-functional requirements

ID	Description	P.S.
NFR001	The file upload feature should work at both windows/linux server	
NFR002	The backend code must run at both windows/linux application server	
NFR003	The mobile client must run under Android 8.0 or greater	

4. Business rules

ID	Description	P.S.
BR001	Projects are composed of one or several devices/drawings	
BR002	Devices are composed of one or several parts	
BR003	Each device has one or several report files	
BR004	Each report can be either a report with predefined items or a pdf document	
BR005	Predefined items reports have a list of items whose status needs to be informed	
BR006	Predefined items report id is 5033	
BR007	Each item has: description, comments and a status	
BR008	Each item status can be either: Approved, Not approved or Not applicable	
BR009	Pdf document reports are represented by pdf files	
BR010	Pdf document report's files can be inside any subfolder of the project folder	
BR011	Each pdf report file starts with a 4-digits number that identifies the report type according to the following: 5001: Non-wired drawing file 5002: Non-wired datasheet file 5032: Wired drawing file 5033: Wired datasheet file	
BR012	Each part (physically speaking) is identified by a qr-code (attached to it)	
BR013	Every qr-code has the following structure: \xx-y-zzz_Z_n_T_x, where:	
BR014	xx: year in which the project has been executed y: location (which company factory) in which the project has been executed zzz: project number n: drawing number x: part number	
BR015	All project files are stored at a root folder named 'Auftrag', within a file server	
BR016	Inside the root folder, there is one folder for each past year and another for the current one	



BR017	Folders inside the root folder have a name that follows the following structure: xx-y-____, where: xx: year in which the project has been executed y: location (which company factory) in which the project has been executed	
BR018	Each of those folders contains a project folder whose name follows the following structure: xx-y-zzzz, where: xx: year in which the project has been executed y: location (which company factory) in which the project has been executed zzz: project number	
BR019	Inside each project folder a lot of folders may exist. Among those there is a folder named 'Fotos', where the project's pictures should be stored.	