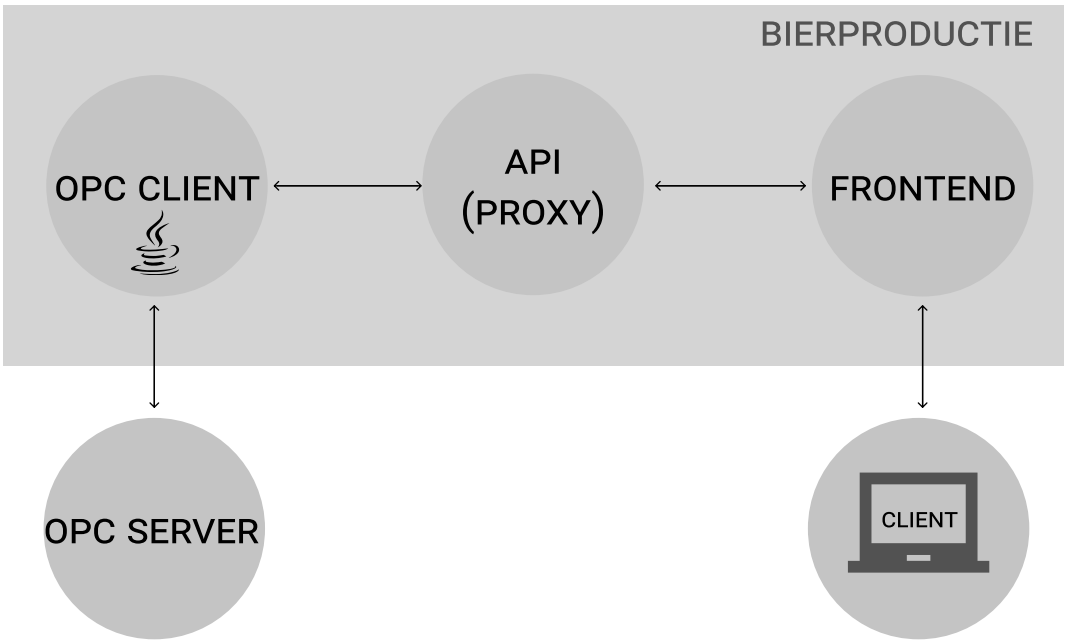
Bierproductie

A management system for brewing machines



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By signing this document, each group member confirms that everyone have participated equally to this project, and everyone is thus collectively responsible for the content of the report.

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5.1 Overall Requirements Specification

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5.2.1 Functional & Non-Functional Requirements

In table 1 you can see a description of Functional & Non-Functional requirements showed in the model of FURPS+. The Model FURPS+ gives a good overview of which Functional & Non-Functional requirements their is.
FURPS+ is a extend version of FURPS. It extend FURPS with 4 new categories design constraints, implementation requirements, interface requirements and physical requirements.

FURPS+	#	**Demands**
Functionality	S01	Improve the beer machine by increasing quantity while maintaining quality
Usability	S02	Documentation on usage of the REST API
Reliability	S03	On server reboot, the application will automatically restart
Performance	S04	Max response time (API: 400 ms)
Supportability	S05	Minimum browser versions (JavaScript version 6)
design constraints	S06	Na
implementation requirements	S08	Should be controlled via MES
	S08	MES should be able to keep track of Batches
	S09	Monitor production (Live data)
	S10	Estimate error function
	S11	Optimal production speed
Interface requirements	S12	Show OEE
	S13	Show Batch Report that include: • Batch ID • Product type • Amount of products (total, defect and acceptable) • Amount of time used in the different states • Logging of temperature over the production time • Logging of humidity over the production time
	S14	Visualization
Physical requirements	S14	The group should work with the beer machine they already got

Table 1: Supplementary Requirements

5.2.2 The Physical Setup (The Brewery Machine)

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From project description

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