

Table of Contents

- 1. Progress and quality 2
 - 1.1. Progress report 2

Welcome

Project Willy

- [Willy](#)
- [Publicity](#)
- [Sponsors](#)

Startup Willy

- [Driving Willy](#)
- [Remote](#)
- [Willy Web](#)

Configuration

- [GIT Setup](#)
- [Ubuntu](#)
- [Remote](#)
- [Wiki](#)

ROS

- [Introduction to ROS](#)
- [Navigation](#)

Technical

- [Development Guide](#)
- [Findings](#)
- [Hardware](#)
- [Known Bugs](#)
- [Parameters](#)
- [Software](#)

Web interface

- [Development Guide](#)
- [SAD](#)
- [RosNodeJs](#)
- [Interaction](#)

Research

- [Hardware](#)
- [Peripherals](#)
- [Sensors](#)
- [Social interaction](#)

- [Software](#)
- [Web interface](#)

Design

- [Background](#)
- [Design Guide](#)
- [Technical](#)
- [Realisation](#)

Status and Advice

- [Status](#)
- [Todo & Advice](#)

Archive

- [\(2016/2\) Initial design](#)
- [\(2017/1\) Base & Functionalities](#)
- [\(2017/2\) Research](#)

1. Progress and quality

Milestone	Researched	Realized	Tested	Category
Assessment current status	Done	Done	Done	Documentation
Willy Improvisation	Done	Done	Done	Hardware Software Documentation
Design	Done	Done	Done	Software
WillyWiki	Done	Done	Done	Software
Willy web	Done	Done	Done	Software
Indoor navigation	Done	Done	In progress (fine tuning)	Software Hardware
Plating	Done	In progress		Hardware
Social interaction	Done	In progress		Software

1.1. Progress report

Assignment current status

Requirement	F/Q/P	Test case	Result by ..
Documentation corresponds to the current status of Willy	functional	compare documentation with the current status of Willy	Positive
Documentation meets the DOD	Principle	Documentation is reviewed conform the DOD	
Components of Willy are explained	functional	Hardware, Software and Documentation is understandable and traceable	Positive
Configuration can be traced through Documentation	Quality manageability	Willy can be installed from scratch without back-up	Positive

F/Q/P = functional / Quality / Principle

Willy Improvisation

Requirement	F/Q/P	Test case	Result
Current status of Willy correspondents to the current documentation and expectations of the client	Functional	Documentation and expectations of the client are compared with the current status of Willy	Positive
Hardware, Software and Documentation satisfies the DOD	Principle	The Current Documentation had been tested on the DOD	
Current functionality is reliable and stable	Quality (availability)	Current Software, Code and hardware is tested and is operational while tested multiple times	Positive
Design decisions are substantiated	Principle	Design decisions are underpinned by research or customer preference	Positive

F/Q/P = functional / Quality / Principle

Design

Requirement	F/Q/P	Test case	Result by ..
The design meets the expectations of the client	Principle	The design has been approved by the client	Positive

Requirement	F/Q/P	Test case	Result by ..
Dimensions are traceable from the design	Principle	Dimensions can be digitally exported from the design	Positive
The design is flexible	Quality scalability	New adjustments can be made by future groups by editing a flexible file format (sldprt - Solidworks)	Positive

F/Q/P = functional / Quality / Principle

WillyWiki

Requirement	F/Q/P	Test case	Result by ..
The WillyWikki is simple to understand	Quality manageability	Design and user documentation is available.	Positive
Documentation is up-to-date	Principle	All documentation is trasfered into .adoc format and added to GIT	Positive
The WillyWiki is modular	Principle	Information on the WillyWiki is exportable to multiple file formats.	Positive
New information can be added	Quality Managebility	The Willywiki automatic updates based on a git repository	Positive

F/Q/P = functional / Quality / Principle

WillyWeb

Requirement	F/Q/P	Test case	Result by ..
The WillyWeb must be dynamic and scalable	Quality scalability	The WillyWeb must be wide compatible with other software components of Willy	Positive
The WillyWeb must able to display real time information about Willy	Quality availability	The WillyWeb is compatible with ROS (previous requirement) and have a delay less that a second	Positive
The WillyWeb can Read and Read data to ROS	Principle	The WillyWeb can subscribe to ROS topics	Positive

F/Q/P = functional / Quality / Principle