

Function Point Calculation

1st semester

UC	Documentation	Coding	Testing	DET	FTR/RET	Time spent (hours)	FP	Reason
Change Settings	8,0	10,3	0,2	0	0	18,5	3,9	Creating the settings menu was the first UC. Due to our low experience with AS the implementation took a while.
Enable LEDs	3,0	2,3	0,2	1	0	5,5	9,4	It is assumed that the app is already connected to the Pi. Thus the request on its own is not that complex. Toggling a switch sends a query to the Pi.
Manage Plants	1,0	1,6	0,2	0	0	2,8	11,5	First draft did not work properly.
Connect App to Pi via Bluetooth	2,5	28,3	0,2	2		31,0	16,9	Enabling Bluetooth and especially connecting the app to Pi are complex.
Help Menu	3,0	6,5	0,2	0	0	9,7	15,8	By clicking on a Button a webview with our blog appears.
About Menu	1,0	1,0	0,2	0	0	2,2	2,2	Only non-interactive content is displayed.

2nd semester

UC	Documentation	Coding	Testing	DET	FTR/RET	Calculated time (hours)	FP	Reason
Show humidity diagram	-	-	-	1	1	38,9	20,9	One Option allows determining the Interval. One file is transmitted to App including humidity levels.
Request humidity level	-	-	-	1	0	8,0	10,4	It is assumed that the app is already connected to the Pi. Thus the request on its own is not that complex. Pressing the button sends a query to the Pi.
Manage Plants (Rework)	-	-	-	2	0	11,3	11,5	User has to enter plant name and pressing a Button will store a new instance of a plant
Enable Alarm	-	-	-	1	0	5,0	9,4	It is assumed that the app is already connected to the Pi. Thus the request on its own is not that complex. Toggling a switch sends a query to the Pi.

