

PROJECT: DIVISION2 RECON

This is a sketch for development of the four requirements for Process Data Epic:

Requirement 1 (US-1): As Admin, I want to visualize all processes in an overview, so that I can select the desired process:

Solution:

- Developer can develop visualize the Process based on the process list/type.
- Developer can have tabs related to each process which will help user to visualize the process according to the process type.
- There can be an option 'All', which will visualize all process

Wassenburg Medical													
Analysis Based On:													
Process Customer Sensor													
All Dis WashDis WashDisWash													
Filter using Keywords							List the processes based on tabs						
Customer Id	Customer Name	Machine Nr	Machine Id	Machine Type Serial	Process	Process Start Time	Process End Time	Water Temp	Pump10	Pump5	Drain Sensor	Water Level	Online From
3123	UMC Utrecht U	UMC-342	21	EWD220;338198304139 01	WashDisWash	2019-13-02 21:13:11.328	2019-13-02 22:03:00.327	celcius:23	off	on	off	ml-432	27-07-2014 10:02:37
2954	UMC Utrecht U	UMC-536J	22	EWD440;481385081010 1	WashDis	2019-20-04 20:10:04.129	2019-20-04 21:29:20.734	celcius:25	on	off	off	ml-382	08-09-2017 18:12:43
1224	AMC	AMC1-32	21	EWD440-PT;36849839827301	Dis	2019-12-09 23:54:12.349	2019-12-09 23:59:14.343	celcius:22	off	on	on	ml-30	29-06-2016 16:55:02
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Requirement 2 (US-2): As Admin, I want to view the details of one process, so that I can analyse the data:

Solution:

- Users can switch to different process tabs to have an overview of one process.

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Analysis Based On:

Process

Customer

Sensor

All

Dis

WashDis

WashDisWash

Filter using Keywords

Customer Id	Customer Name	Machine Nr	Machine Id	Machine Type Serial	Process	Process Start Time	Process End Time	Water Temp	Pump10	Pump5	Drain Sensor	Water Level	Online From
2954	UMC Utrecht U	UMC-536J	22	EWD440;4813850810101	WashDis	2019-20-04 20:10:04.129	2019-20-04 21:29:20.734	celcius:25	on	off	off	ml-382	08-09-2017 18:12:43

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Requirement 3 (US-3): As Admin, I want to search processes based on customers name, so that I can view processes related to the desired customer:

Solution:

- Users can search the process using **filter by keywords** option available in each tab.
- Further, customer button is provided filter data based on customers and analyse the data as per their need.

Wassenburg Medical

Analysis Based On:

Process

Customer

Sensor

All

AMC

UMC Utrecht U

Filter using Keywords

ustomer Id	Customer Name	Machine Nr	Machine Id	Machine Type Serial	Process	Process Start Time	Process End Time	Water Temp	Pump10	Pump5	Drain Sensor	Water Level	Online Fron
3123	UMC Utrecht U	UMC-342	21	EWD220;33819830413901	WashDisWash	2019-13-02 21:13:11.328	2019-13-02 22:03:00.327	celcius:23	off	on	off	ml-432	27-07-2014 10:02:37
2954	UMC Utrecht U	UMC-536J	22	EWD440;4813850810101	WashDis	2019-20-04 20:10:04.129	2019-20-04 21:29:20.734	celcius:25	on	off	off	ml-382	08-09-2017 18:12:43

Requirement 4 (US-4): As Admin, I want to search processes based on specific sensor and/or sensor data value:

Solution:

- Users can search the process using **filter** option based on sensors.
- Further, sensor button is provided filter data based on sensor and analyse the data as per their need.

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Analysis Based On:

Process

Customer

Sensor

Water Temp Filter

Pump 10 Filter

Pump 5 Filter

Drain Sensor Filter

Water Level Filter

Customer Id	Customer Name	Machine Nr	Machine Id	Machine Type Serial	Process	Process Start Time	Process End Time	Water Temp	Pump 10	Pump 5	Drain Sensor	Water Level	Online From
3123	UMC Utrecht U	UMC-342	21	EWD220;33819830413901	WashDisWash	2019-13-02 21:13:11.328	2019-13-02 22:03:00.327	celcius:23	off	on	off	ml-432	27-07-2014 10:02:37
2954	UMC Utrecht U	UMC-536J	22	EWD440;481385081010 1	WashDis	2019-20-04 20:10:04.129	2019-20-04 21:29:20.734	celcius:25	on	off	off	ml-382	08-09-2017 18:12:43
1224	AMC	AMC1-32	21	EWD440-PT;36849839827301	Dis	2019-12-09 23:54:12.349	2019-12-09 23:59:14.343	celcius:22	off	on	on	ml-30	29-06-2016 16:55:02

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Developer Guide:

In order to start the project, follow the below Steps:

- Pre-requisite:
 - *github cli*
 - *node 14.15.1*
 - *VS Code*
 - *chrome*
 - *angular cli 12*
- Clone the repository to local environment --
 - *git clone https://github.com/shai0946/assignment_1.git*
- Run the below command in command prompt: `npm install`
- Angular Live Development Server will be listening on localhost:4200, open your browser on <http://localhost:4200/>

Backend: Table is converted in json file and read from `src\assets\json\dataFile.txt`.