

Documentation – Charging Station App

David Zhou

Data Collection Dispatcher

Checklist

First I have laid out all the rough points that should be implemented for all the services.

The main point is to have a good template for the first service to base the other services off on.

Charging Station App

View 1 + New View

Filter by keyword or by field

	Title	Assignees	Status
1	DCD; Repository #1		Done
2	DCD; RabbitMQService #2		Done
3	DCD; Database #3		Done
4	DCD; Station Model #2		Done
5	DCD; Application listens to messaging queue #4		Done
6	DCD; Json #5		Done
7	DCD; Application sends out one message to DCR #6		In Progress
8	DCD; Application sends out message to SDC #7		In Progress
9	SDC; Repository #8		Todo
10	SDC; Application listens to messaging queue #9		Todo
11	SDC; Repository calls database depending on url it gets #10		Todo
12	SDC; Json #11		Todo
13	SDC; Application sends out message to DCR #12		Todo
14	DCR; Application listens to messaging queue for number of messages #13		Todo
15	DCR; Application listens to messaging queue for charge data #14		Todo
16	DCR; Customer Model #15		Todo
17	DCR; Repository #16		Todo
18	DCR; Application sends formatted data to PDF Generator #17		Todo
19	PDF; Applications listens to messaging queue #18		Todo
20	PDF; Generates a PDF based on data it receives #19		Todo

Commits

Commit history of the Data Collection Dispatcher. Due to being the first service I have implemented. It has the most commits since I had to make a lot of changes.

Commits on May 27, 2023		
Merge remote-tracking branch 'origin/main'	Dacur1 committed 3 weeks ago	5d122a3 <>
app started, missing one TODO (dependent on messaging format)	Dacur1 committed 3 weeks ago	6c09da6 <>
finished cleaning up, refactoring	Dacur1 committed 3 weeks ago	b46a299 <>
Commits on May 26, 2023		
refactoring, cleaner code	Dacur1 committed 3 weeks ago	ba20004 <>
Merge branch 'main' of https://github.com/zhoudavidwi21/charging-stat...	wi21b082 committed 3 weeks ago	78a9a44 <>
Added new classes + changes + RabbitMQ connection	wi21b082 committed 3 weeks ago	fd5082a <>
Commits on May 23, 2023		
initialisieren JavaFX	Martin committed last month	d1537ad <>
Commits on May 22, 2023		
added customerid to json method	Dacur1 committed last month	836be16 <>
added jackson dependency for json functionality	Dacur1 committed last month	73ee8f7 <>
added messageconsumer	Dacur1 committed last month	8562c59 <>
dependencies and output tests	Dacur1 committed last month	5750cc2 <>
added stationsrepository	Dacur1 committed last month	1f9e457 <>
added station model	Dacur1 committed last month	7c95c78 <>
added database connection	Dacur1 committed last month	43e2f66 <>

Station Data Collector

Checklist

🔒 Charging Station App

📄 View 1

+

New View

☰ Filter by keyword or by field

Title	***	Assignees	***	Status	***
1 🟢 DCD; Repository #1			▼	Done	▼
2 🟢 DCD; RabbitMQService #2			▼	Done	▼
3 🟢 DCD; Database #3			▼	Done	▼
4 🟢 DCD; Station Model #2			▼	Done	▼
5 🟢 DCD; Application listens to messaging queue #4			▼	Done	▼
6 🟢 DCD; Json #5			▼	Done	▼
7 🟢 DCD; Application sends out one message to DCR #6			▼	Done	▼
8 🟢 DCD; Application sends out message to SDC #7			▼	Done	▼
9 🟢 SDC; Repository #8			▼	Done	▼
10 🟢 SDC; Application listens to messaging queue #9			▼	Done	▼
11 🟢 SDC; Repository calls database depending on url it gets #10			▼	In Progress	▼
12 🟢 SDC; Json #11			▼	Done	▼
13 🟢 SDC; Application sends out message to DCR #12			▼	Done	▼
14 🟢 DCR; Application listens to messaging queue for number of messages #13			▼	Todo	▼
15 🟢 DCR; Application listens to messaging queue for charge data #14			▼	Todo	▼
16 🟢 DCR; Customer Model #15			▼	Todo	▼
17 🟢 DCR; Repository #16			▼	Todo	▼
18 🟢 DCR; Application sends formatted data to PDF Generator #17			▼	Todo	▼
19 🟢 PDF; Applications listens to messaging queue #18			▼	Todo	▼
20 🟢 PDF; Generates a PDF based on data it receives #19			▼	Todo	▼

Commits

🔍 Commits on Jun 15, 2023			
fixed database connection	🟢 Dacur1 committed 2 days ago	📄 4be34db	🔍 <>
extracted database into an abstract class	🟢 Dacur1 committed 2 days ago	📄 5daed71	🔍 <>
finished repository, database implementation	🟢 Dacur1 committed 2 days ago	📄 b127879	🔍 <>
init station data collector	🟢 Dacur1 committed 2 days ago	📄 27edc5a	🔍 <>

Data Collection Receiver

Checklist

🔒 Charging Station App








📄 View 1

+ New View

Filter by keyword or by field

	Title	Assignees	Status
1	🟢 DCD; Repository #1		Done
2	🟢 DCD; RabbitMQService #2		Done
3	🟢 DCD; Database #3		Done
4	🟢 DCD; Station Model #2		Done
5	🟢 DCD; Application listens to messaging queue #4		Done
6	🟢 DCD; Json #5		Done
7	🟢 DCD; Application sends out one message to DCR #6		Done
8	🟢 DCD; Application sends out message to SDC #7		Done
9	🟢 SDC; Repository #8		Done
10	🟢 SDC; Application listens to messaging queue #9		Done
11	🟢 SDC; Repository calls database depending on url it gets #10		Done
12	🟢 SDC; Json #11		Done
13	🟢 SDC; Application sends out message to DCR #12		Done
14	🟢 DCR; Application listens to messaging queue for number of messages #13		Done
15	🟢 DCR; Application listens to messaging queue for charge data #14		Done
16	🟢 DCR; Customer Model #15		Done
17	🟢 DCR; Repository #16		Done
18	🟢 DCR; Application sends formatted data to PDF Generator #17		Done
19	🟢 PDF; Applications listens to messaging queue #18		Todo
20	🟢 PDF; Generates a PDF based on data it receives #19		Todo

Commits

Merge remote-tracking branch 'origin/main'	bf94e63	<>
 Dacur1 committed yesterday		
refactored listening to messages into seperate class, works as intended	18a2111	<>
 Dacur1 committed yesterday		
Merge remote-tracking branch 'origin/main'	35bbf3d	<>
 wi2tb082 committed yesterday		
Added tests for StationRepository	f37d974	<>
 wi2tb082 committed yesterday		
receiving message from one queue works, wip receiving 2nd message	43fbe2f	<>
 Dacur1 committed yesterday		
fixed queue string	b61429e	<>
 Dacur1 committed yesterday		
initialized data collection receiver based on data collection dispatcher	e51fd4f	<>
 Dacur1 committed yesterday		

PDF Generator

Checklist

Charging Station App

View 1

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6	DCD; Json #5		Done
7	DCD; Application sends out one message to DCR #6		Done
8	DCD; Application sends out message to SDC #7		Done
9	SDC; Repository #8		Done
10	SDC; Application listens to messaging queue #9		Done
11	SDC; Repository calls database depending on url it gets #10		Done
12	SDC; Json #11		Done
13	SDC; Application sends out message to DCR #12		Done
14	DCR; Application listens to messaging queue for number of messages #13		Done
15	DCR; Application listens to messaging queue for charge data #14		Done
16	DCR; Customer Model #15		Done
17	DCR; Repository #16		Done
18	DCR; Application sends formatted data to PDF Generator #17		Done
19	PDF; Applications listens to messaging queue #18		Done
20	PDF; Generates a PDF based on data it receives #19		Done

Commits

<div>total kwh formatting</div> <div><div>Dacuri</div>committed yesterday</div>	<div></div> <div>5b4d859</div> <div><></div>
<div>http-request - maven dependency</div> <div><div>Martin</div>committed yesterday</div>	<div></div> <div>e269041</div> <div><></div>
<div>http-request - maven dependency</div> <div><div>Martin</div>committed yesterday</div>	<div></div> <div>2a21897</div> <div><></div>
<div>http-request</div> <div><div>Martin</div>committed yesterday</div>	<div></div> <div>839ff9b</div> <div><></div>
<div>added functionality for get request</div> <div><div>wi21b082</div>committed yesterday</div>	<div></div> <div>25a2e2f</div> <div><></div>
<div>implemented pdf generator, pdf formatting</div> <div><div>Dacuri</div>committed yesterday</div>	<div></div> <div>ec1bdc2</div> <div><></div>
<div>init pdf generator</div> <div><div>Dacuri</div>committed yesterday</div>	<div></div> <div>312974d</div> <div><></div>