

# Documentation- Charging Station App

by  
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Responsibilities:  
Unit Tests and REST API/Spring Boot  
Application

# 1. REST API/Spring Boot Application

## 1.1. Checklist

I had to implement a REST API with endpoints for starting data gathering based on customer ID and retrieving invoice information. I have made a compact checklist, which includes the important parts of my work.

Charging Station App

View 1

+ New View

Filter by keyword or by field


Title	...	Assignees	...	Status	...
1 <div></div> create the REST API skeleton (Data, DataGatheringService, DataGatheringController, DataG... #52				<div>Done</div>	
2 <div></div> implement a POST endpoint to initiate the data gathering process for a specific customer. #53				<div>Done</div>	
3 <div></div> implement a GET endpoint to retrieve the invoice information for a specific customer. #54				<div>Done</div>	
4 <div></div> endpoint should accept customer ID parameter #55				<div>Done</div>	
5 <div></div> create a check for the availability of data #56				<div>Done</div>	
6 <div></div> create the correct responses for success (file found) and error (file not found) #57				<div>Done</div>	



## 1.2. Git Commits for REST API

I had a big initial commit but had to make changes and fix errors over the course of the project. The commit “Fixed an error” also includes the implementation of JSON.

Commits on May 18, 2023


added SpringBootRestApp



 wi21b082 committed on May 18

 e267934 


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 Jun 14, 2023



Merge remote-tracking branch 'origin/main'

 wi21b082 committed 4 days ago


 f91787f 



Removed non-required code

 wi21b082 committed 4 days ago

 713ca05 



Added conversion of json message to usable format. Fixed workflow, ad...

 Dacur1 committed 4 days ago

 c5293af 



some corrections

Martin committed 4 days ago

 79e9db4 


Created UI-Formular



Martin committed 4 days ago

 efcea80 


Commits on Jun 13, 2023



Merge remote-tracking branch 'origin/main'

 wi21b082 committed 5 days ago

 d90042a 

Fixed an error

 wi21b082 committed 5 days ago

 e4addb3 

added functionality for get request

 wi21b082 committed 2 days ago

 25a2e2f 

## 2. Unit Tests

### 2.1. Checklist

Tests for the repository in Data\_Collection\_Dispatcher service were created for our project. It is the start of the whole data flow since it returns all the stations as well the number of stations.

Charging Station App

View 1

New View

Filter by keyword or by field

	Title	...	Assignees	...	Status
1	<div><div></div><div>create mocks for "Database" and "ResultSet" #58</div></div>			<div></div>	<div>Done</div>
2	<div><div></div><div>create calls for "getAllStations" method and "getNumberOfStations" method #63</div></div>			<div></div>	<div>Done</div>
3	<div><div></div><div>implement a test for "getAllStations" method #60</div></div>			<div></div>	<div>Done</div>
4	<div><div></div><div>implement a test for "getNumberOfStations" method #61</div></div>			<div></div>	<div>Done</div>
5	<div><div></div><div>assert that the returned values match expected values #62</div></div>			<div></div>	<div>Done</div>

### 2.2. Git Commits for Unit Tests

I have committed the Unit Tests in one go.

Merge remote-tracking branch 'origin/main'		35bbf3d	
 wi21b082 committed 2 days ago			
Added tests for StationRepository		f37d974	
 wi21b082 committed 2 days ago			