

Solita Pre-Assignment for Dev Academy

Description

This is Yinan Li's solution to the Solita pre-assignment for applying to Dev Academy Finland 2022.

[Here you can find the pre-assignment for upcoming Dev Academy](#)

This is a web application that uses a backend service to fetch the data from MySQL, besides frontend uses React and Ant UI.

Tech & Libraries

Backend

- [JavaScript](#)
- [Node.js](#)
- [Express](#)
- [cors](#)
- [mysql2](#)
- [joi](#)
- [express-joi](#)
- [jsonwebtoken](#)
- [expres-jwt](#)
- [sequelize](#)
- [csv-parser](#)
- [sqlite3](#)
- [docker](#)

Frontend

- [JavaScript](#)
- [React](#)
- [Axios](#)
- [Ant design](#)
- [Redux](#)
- [React Router V6](#)
- [Sass](#)
- [CSS Modules](#)

Prerequisites

NPM and Node.js installed

Installation & Run

Step 1: Import Data

```
npm install
node app.js
```

Step 2: Backend

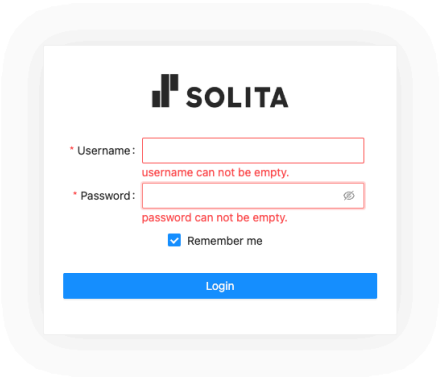
```
npm install
cd src
node app.js
```

Step 3: Frontend

```
npm install
npm start
```

App Overview

Login View



Add Journey View

SOLITA

UserLogout

Home

Journey

Station

Home

* Date:Start date → End date

* Time:Aug 2022Sep 2022

* Departure Station:Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa

* Return Station:31 1 2 3 4 5 6 28 29 30 31 1 2 3

* Covered Distance (m):7 8 9 10 11 12 13 4 5 6 7 8 9 10

Duration:14 15 16 17 18 19 20 11 12 13 14 15 16 17

21 22 23 24 25 26 27 18 19 20 21 22 23 24

28 29 30 31 1 2 3 25 26 27 28 29 30 1

4 5 6 7 8 9 10 2 3 4 5 6 7 8

Add Journey

Journey List View

SOLITA

UserLogout

Home

Journey

Station

Home / Journey

* Departure Station:Select a station name

* Date:Start date → End date

Filter

Total 1563238 records:

Departure Station	Return Station	Cover Distance (km)	Duration (min)
Viikin normaalkoulu	Puotila (M)	5.37	21.73
Viiskulma	Hernesaarenranta	1.40	5.83
Näkinsilta	Viihovuorenkatu	1.02	6.65
Laajalahden aukio	Teljäntie	2.04	8.33
Töölöntulli	Pasilan asema	1.87	10.18
Linnanmäki	Pohjolankatu	3.25	15.58
Kansallismuseo	Stenbäckinkatu	2.55	22.95
Viiskulma	Hernesaarenranta	4.32	33.48
Koskelan varikko	Paavaliinpulisto	1.71	6.10
Linnanmäki	Brahen puistikko	3.34	23.22

<12345...156324>

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Station List View

Home

Journey

Station

Home / Journey

* Station Name:

Select a station name

A.I. Virtasen aukio204

Aalto-yliopisto (M), Korkea541

Aalto-yliopisto (M), Tietot539

Abraham Wetterin tie258

Agnetankuja254

Agronominkatu241

Ahertajantie523

Ajomiehentie398

Kaivopuisto

Total 457 records:

Number	Address	City	Action
1	Meritori 1		
2	Laivasillankatu 14		
3	Tehtaankatu 13		
4	Fredrikinkatu 19		
5	Tehtaankatu 25		
6	Hietalahdenkatu 2		
7	Korkeavuorenkatu 23		
8	Annankatu 16		
9	Eteläesplanadi 22		
10	Fabianinkatu 13		

Single Station View

[illegible]

Import Data View

PROBLEMS TERMINAL OUTPUT DEBUG CONSOLE

node + - [] [] ^ X

```
yinanli@Yinans-MBP NewImportData % nodemon app.js
[nodemon] 2.0.16
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node app.js`
Do you want to import all journeys and stations to database? (yes/no) yes
yes
Starting...
Reading Station file completed, start to insert...
Inserting...
All stations import completed, imported 457 rows.
Reading 2021-05.csv completed, start to insert...
Inserting...
All journeys in 2021-05.csv import completed, imported 392397 rows.
Reading 2021-06.csv completed, start to insert...
Inserting...
All journeys in 2021-06.csv import completed, imported 588990 rows.
Reading 2021-07.csv completed, start to insert...
Inserting...
All journeys in 2021-07.csv import completed, imported 581846 rows.
> [ ]
```