**TRAVLENDAR**

**Requirements:**

1- Authentication System

2- Calendar interface

3- Automatically compute the travel time between appointments

(+ Warn for time overlapping)

4- Travel means by appointment and by day

5- User customizable

6- Variability time between appointments

**Development tools:**

jQuery (library for cross-browser compatibility, not good for building scalable web apps)

Materialize <https://materializecss.com/>

Package manager: npm

Install node.js

Install gulp (to run project on localhost)

Open a firebase project to use authentication + realtime database

Use Atom / Visual Studio Code

Version control - git with command lines / GUI software

Unit testing - Karma / Jasmine (to test function by function)

GitHub repo - enable GitHub Pages e.g. <https://fionnachan.github.io/Timer/static/>

Docsify (documentation)

**Pages:**

Calendar Page (home)

Daily calendar

Schedules (markers)

Travel time between schedules (edges)

Transport means (color of edges)

Overview (map)

Markers / lines / line color on the map

Durations by marker / edge

Profile

User preferences

Activate/Deactivate each travel means globally

Time/Distance constraints for travel means

Type of user specification

Personal transport means and its constraints (like shared car)

Settings

Notifications

Overlay

Create Routine (Additional)

User inputs:

Frequency

Time

Duration

Recurrence (Temporary/Permanent)

Type/Description

Create meeting

User inputs:

Location

Time

Duration

User journey:

Journey parameters

Transportation cost

Weather forecast

Fill in form → Validate → Click Submit → Check travel time feasibility → Save / Warn