# Synchronous clocks

## Technologies & tools Used:

Angular 10

Typescript

Html

CSS (SCSS)

VS Code

git

## Design

Analog clock component (subscribed to time evet of the service)

Settings component

(A time event is pushed to service every second)

Shared Service (Emits time each second)

Digital clock component (subscribed to time evet of the service)

### Components

3 components are created in this project.

1. Settings component

* Every second an event is triggered from this component to the shared service.
* When an increment/decrement button is clicked, the time is set accordingly and the event is pushed to the shared service.

1. Analog clock

* The clock is designed using canvas (I’m not completely aware of canvas and is copied from w3school with subtle changes).
* The Analog component is subscribed to the shared service from which the time gets updated every second.

1. Digital clock

* This is a simple digital clock designed with vanilla JavaScript.
* The Digital component is subscribed to the shared service from which the time gets updated every second.

### Service

A shared rxjs service is created to consume the input events and push it to the subscribed components.