DWA_03.4 Knowledge Check_DWA3.1

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1. Please show how you applied a Markdown File to a piece of your code.

```markdown
<!-- omit in toc -->
# Event Reminder App

This event reminder app is designed with simplicity and user-friendliness
as its core principles. We believe that simplicity is key, and we have
deliberately kept the functionality to the bare essentials to enhance the
user experience. This means that our app offers only the most fundamental
features required for an event reminder app, and we view this minimalism
as a strength. Users can effortlessly set and manage reminders for
important events, ensuring they never miss an appointment, meeting, or
special occasion. With an intuitive and straightforward interface, our app
allows users to create, edit, and delete events with ease. We prioritize
user convenience, making it a breeze to stay organized and punctual while
avoiding unnecessary complexity.

<!-- omit in toc -->
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## Features

- Simple and user-friendly
- Focus on minimal functionality
- Ability to create, edit and delete events

## Requirements

- An IDE like Vsual Studio Code.
- Basic [HTML, CSS and
Javascript](https://developer.mozilla.org/en-US/docs/Learn) skills.
- A browser like [Chrome](https://www.google.com/chrome)
```

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2. Please show how you applied JSDoc Comments to a piece of your code.

```js
/**
 * Takes any order as an object literal (as saved in state) and converts
it a
 * HTML element that can be appended to the DOM. Creating order elements
 * individually prevents the JavaScript having to re-render the entire DOM
every
 * time an new order is created.
 *
 * @param {object} order
 * @returns {HTMLElement}
 */
export const createOrderHtml = (order) => {
    const { id, title, table, created } = order

    const element = document.createElement('div')
    element.className = 'order'
    element.draggable = true
    element.dataset.id = id

    const hours = created.getHours().toString().padStart(2, '0')
    const minutes = created.getMinutes().toString().padStart(2, '0')

    element.innerHTML = /* html */ `
        <div class="order__title" data-order-title>${title}</div>

        <dl class="order__details">
            <div class="order__row">
                <dt>Table:</dt>
                <dd class="order__value" data-order-table>${table}</dd>
```

```
            </div>

            <div class="order__row">
                <dt>Ordered:</dt>
                <dd class="order__value">${hours}:${minutes}</dd>
            </div>
        </dl>
    `


    return element
}
```

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3. Please show how you applied the @ts-check annotation to a piece of your code.

```
// @ts-check

/**
 * Represents an event in the event reminder app.
 * @typedef {object} Event
 * @property {string} title - The title of the event.
 * @property {string} date - The date of the event.
 * @property {string} description - The description of the event.
 */

/**
 * Create a new event and add it to the list of events.
 * @param {string} title - The title of the event.
 * @param {string} date - The date of the event.
 * @param {string} description - The description of the event.
 * @returns {Event} The created event.
 */
function createEvent(title, date, description) {
    // Create a new event object
    const event = {
        title,
```

```
        date,
        description,
    };
```

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4. As a BONUS, please show how you applied any other concept covered in the
'Documentation' module.

erDiagram

```
## Data

```mermaid
erDiagram
  User ||--o{ Event : owns
  Event ||--o{ Reminder : includes

  User {
    string username
    string email
  }

  Event {
    string title
    date date
    string description
  }

  Reminder {
    date date
    string description
  }
```
```

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