

DWA_03.4 Knowledge Check_DWA3.1

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

I created a README Markdown file for the Kitchen Express Application, IWA18 challenge. Below are the snippets that show the markdown file and the preview of the file.

```
8.4 > ① README.md > ...
You, 2 hours ago | 1 author (You)
|
You, 3 hours ago • Added read me file for IWA18
You, 2 hours ago | 1 author (You)
# Kitchen Express

The *Kitchen Express* is a desktop app, it will be used in restaurants to help them track customer orders from the moment they are taken by a waiter until they are finally served to the customer. It also records the table number and the exact time that the order was created <br>

You, 2 hours ago | 1 author (You)
## :movie_camera: Application Preview


You, 2 hours ago | 1 author (You)
## :bust_in_silhouette: Author
Aviwe Koli
You, 2 hours ago | 1 author (You)
## :computer: Technologies Used

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<br>
<br>

You, 2 hours ago | 1 author (You)
## :memo: Instructions
- To use the app, you can start by adding a new order by clicking the "add order" button.
- You can view and update orders by selecting them directly from the list.
- Inside the order, you can manually change information associated with an order or update its status.
- However, note that you can quickly change the status of an order by drag it between the three different columns with your mouse.
```

Kitchen Express

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Application Preview




Ordered	Preparing	Served
<div>Cooldrink</div> <div>Table: 4</div> <div>Ordered: 08:38</div>		

Add Order

Author

Aviwe Koli

Technologies Used



Instructions

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

For this question, I went back to the IWA17 challenge and added JSDoc comments to the addCell function.

```
/**
 * A function that adds a cell to an existing HTML string
 * @param {string} existing - The existing HTML string to append to
 * @param {string} classString - The CSS class string for the cell
 * @param {string} value - The value to be displayed in the table cell
 * @param {string} style - The CSS inline style for the table cell
 * @returns {string} The updated HTML content with the added table cell.
 */
const addCell = (existing, classString, value, style) => {
  const result = `
    ${existing}
    <td class="${classString}" style="${style}">
      &nbsp;${value}&nbsp;
    </td>
  `;
  return result;
};
```

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

I added the TypeScript type check annotation (@ts-check) directly at the top of my JavaScript file. This basically allows me (the developer) to catch type-related errors and get better code assistance without the need to convert the entire code to TypeScript.

```
You, 5 minutes ago | 1 author (You)
// @ts-check

/**
 * Importing functions and variables from the view.js module
 * @typedef {import('./view.js').html} html - Object literal that contains reference to all html elements used in the app
 * @typedef {import('./view.js').createElement} createElement
 * @typedef {import('./view.js').updateDraggingHtml} updateDraggingHtml
 * @typedef {import('./view.js').moveToColumn} moveToColumn
 */
import {html, createElement, updateDraggingHtml, moveToColumn} from './view.js';
```

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

I used Mermaid JS to represent the addCell function in a flowchart (Graph) format. I chose to do this because diagrams are also an important aspect when it comes to technical documentation. I used the Mermaid live editor for this question.

