I asked Chat GPT to build a To-Do app

Hey Everyone 👋

The entire Dev Community went crazy after Chat GPT was released a few weeks ago.

As a test, I asked the Chat-GPT to build a To-Do app. Let's see how it did.

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The Query

"Create a To-Do App using HTML, CSS, and JavaScript"

That was my initial prompt, and the key asks are bolded there:

- A to-do app
- Use Html, Css and JavaScript

Let's see what i got:

HTML

1. Create an HTML file with a basic structure for your app. This might include a form for adding new to-dos, a container for displaying the list of to-dos, and some CSS styles to control the layout and appearance of your app.

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Todo App</title>
    <link rel="stylesheet" type="text/css" href="styles.css">
  </head>
  <body>
    <h1>Todo App</h1>
    <form id="add-todo-form">
      <input type="text" id="new-todo-text" placeholder="Add a new todo">
      <button type="submit">Add Todo</button>
    </form>
    <ul id="todo-list"></ul>
    <script src="app.js"></script>
  </body>
</html>
```

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JavaScript

2. Create a JavaScript file to handle the logic for your app. This will include code to listen for form submissions, add new to-dos to the list, and update the display when a to-do is completed or removed.

```javascript
const form = document.querySelector('#add-todo-form');
const input = document.querySelector('#new-todo-text');
const list = document.querySelector('#todo-list');

let todos = [];

function updateList() {
    list.innerHTML = '';
    for (let todo of todos) {
        const item = document.createElement('li');
        item.innerHTML = `
          <span class="todo-text">${todo.text}</span>
          <button class="complete-button">Complete</button>
          <button class="delete-button">Delete</button>
        `;
        if (todo.completed) {
            item.classList.add('completed');
        }
        list.appendChild(item);
    }
}
```

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```javascript
function addTodo(text) {
    const newTodo = {
        text,
        completed: false
    };
    todos.push(newTodo);
    updateList();
}

form.addEventListener('submit', event => {
    event.preventDefault();
    const text = input.value;
    if (text) {
        addTodo(text);
        input.value = '';
    }
});

list.addEventListener('click', event => {
    if (event.target.classList.contains('complete-button')) {
        const index = Array.from(list.children).indexOf(event.target
        .parentNode);
        todos[index].completed = !todos[index].completed;
        updateList();
    } else if (event.target.classList.contains('delete-button')) {
        const index = Array.from(list.children).indexOf(event.target
        .parentNode);
        todos.splice(index, 1);
        updateList();
    }
});
```

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As I tested it, I found that it did EXACTLY what I wanted.

Todo App

| Add a new todo | Add Todo |

- Code.Clash [Complete] [Delete]
- Imtiyaz [Complete] [Delete]

but without CSS.

So i enter another query "Write CSS code for To-Do app"

Fortunately, I got what I wanted for my to-do app

CSS

```css
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
}

h1 {
  text-align: center;
  padding: 20px;
  background-color: #4CAF50;
  color: white;
}

form {
  display: flex;
  justify-content: center;
  padding: 20px;
}

input {
  padding: 10px;
  font-size: 16px;
  margin-right: 10px;
  border: none;
  border-radius: 5px;
}

button {
  padding: 10px 20px;
  font-size: 16px;
  background-color: #4CAF50;
  color: white;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}
```

```css
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 80%;
  margin: 20px auto;
}

li {
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 10px;
  border-bottom: 1px solid #ccc;
}

.todo-text {
  flex-grow: 1;
}

.completed .todo-text {
  text-decoration: line-through;
  color: #ccc;
}

.complete-button,
.delete-button {
  background-color: transparent;
  color: #4CAF50;
  border: none;
  cursor: pointer;
  font-size: 16px;
  padding: 0;
  margin-right: 5px;
}
```
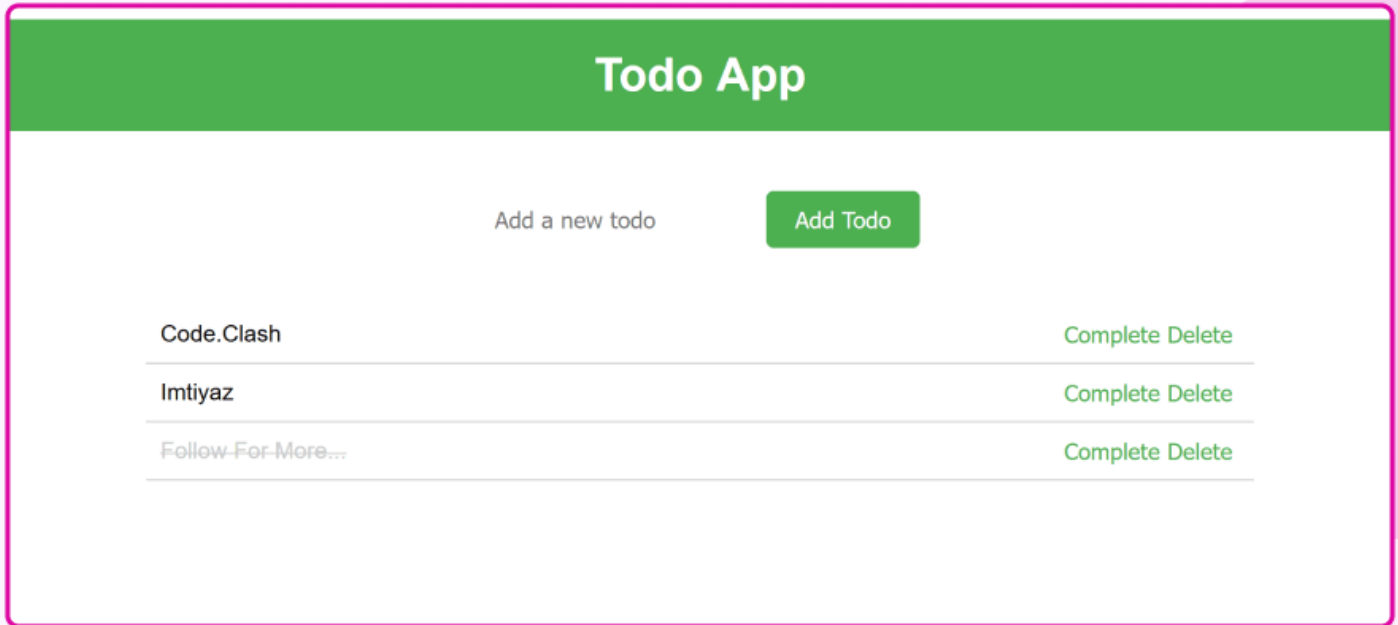
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BOOM 💥

Todo App

Add a new todo   **Add Todo**

Code.Clash   Complete Delete

Imtiyaz   Complete Delete

Follow For More...   Complete Delete

So far, I'm pretty impressed with the results, I was not really expecting this level of detail.

The Problem arises when I write a complex query like "Write Code for To-Do app with React and express". We'll discuss it in another post.

Comment down your experience with Chat-GPT.

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in IMTIYAZ NANDASANIYA