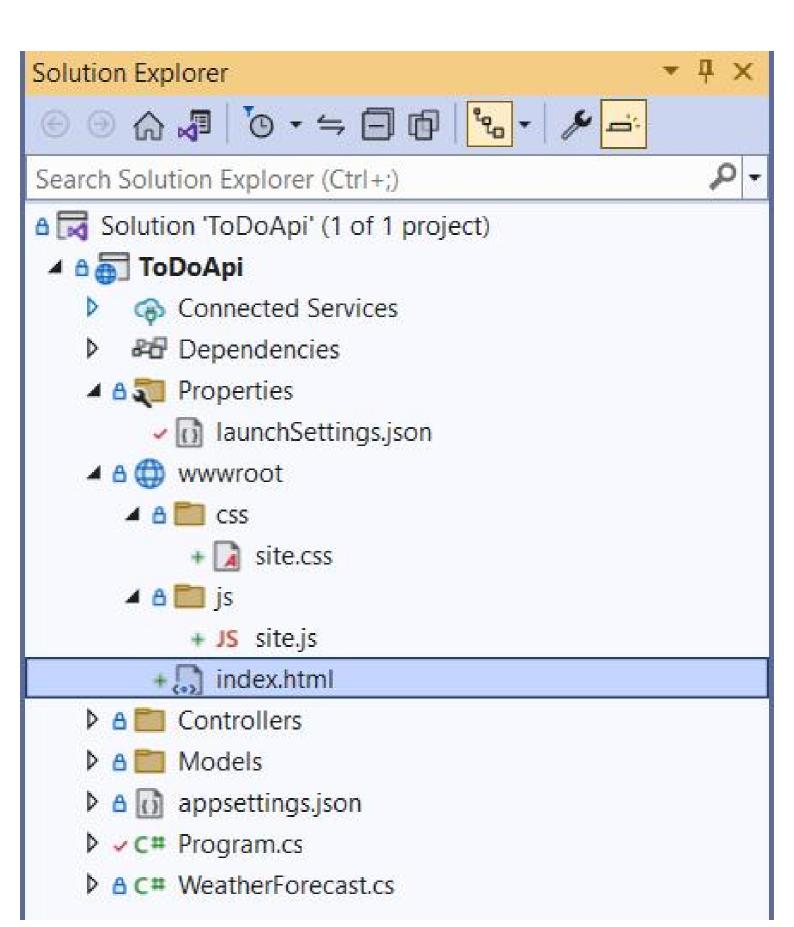
Call the web API with JavaScript



```
e.css
  </div>
  Is Complete?
       Name
       <script src="js/site.js" asp-append-version="true"></script>
   <script type="text/javascript">
     getItems();
  </script>
</body>
</html>
```

```
site.css ⊅ × index.html
                     ToDoApi
                                launchSettings.json
                                                Todolten
  □input[type='submit'], button, [aria-label] {
       cursor: pointer;
  =#editForm {
       display: none;
  □table {
       font-family: Arial, sans-serif;
       border: 1px solid;
       border-collapse: collapse;
  □th {
       background-color: #f8f8f8;
       padding: 5px;
  □td {
      border: 1px solid;
       padding: 5px;
```

```
const uri = 'api/todoitems';
let todos = [];

function getItems() {
    fetch(uri)
        .then(response => response.json())
        .then(data => _displayItems(data))
        .catch(error => console.error('Unable to get items.', error));
}
```

```
function _displayItems(data) {
   const tBody = document.getElementById('todos');
   tBody.innerHTML = '';
   _displayCount(data.length);
   const button = document.createElement('button');
   data.forEach(item => {
       let isCompleteCheckbox = document.createElement('input');
       isCompleteCheckbox.type = 'checkbox';
       isCompleteCheckbox.disabled = true;
       isCompleteCheckbox.checked = item.isComplete;
       let editButton = button.cloneNode(false);
       editButton.innerText = 'Edit';
       editButton.setAttribute('onclick', `displayEditForm(${item.id})`);
       let deleteButton = button.cloneNode(false);
       deleteButton.innerText = 'Delete';
       deleteButton.setAttribute('onclick', `deleteItem(${item.id})`);
       let tr = tBody.insertRow();
       let td1 = tr.insertCell(0);
       td1.appendChild(isCompleteCheckbox);
       let td2 = tr.insertCell(1);
       let textNode = document.createTextNode(item.name);
       td2.appendChild(textNode);
       let td3 = tr.insertCell(2);
       td3.appendChild(editButton);
       let td4 = tr.insertCell(3);
       td4.appendChild(deleteButton);
   });
   todos = data;
```

```
function deleteItem(id) {
    fetch(`${uri}/${id}`, {
        method: 'DELETE'
    })
    .then(() => getItems())
    .catch(error => console.error('Unable to delete item.', error));
}
```

```
function addItem() {
   const addNameTextbox = document.getElementById('add-name');
   const item = {
       isComplete: false,
       name: addNameTextbox.value.trim()
    };
   fetch(uri, {
       method: 'POST',
        headers: {
            'Accept': 'application/json',
            'Content-Type': 'application/json'
        body: JSON.stringify(item)
    })
        .then(response => response.json())
        .then(() => {
            getItems();
            addNameTextbox.value = '';
        .catch(error => console.error('Unable to add item.', error));
```

```
function updateItem() {
    const itemId = document.getElementById('edit-id').value;
    const item = {
        id: parseInt(itemId, 10),
        isComplete: document.getElementById('edit-isComplete').checked,
        name: document.getElementById('edit-name').value.trim()
    };
    fetch(`${uri}/${itemId}`, {
        method: 'PUT',
        headers: {
            'Accept': 'application/json',
            'Content-Type': 'application/json'
        body: JSON.stringify(item)
    })
        .then(() => getItems())
        .catch(error => console.error('Unable to update item.', error));
    closeInput();
    return false;
```

```
function closeInput() {

    document.getElementById('editForm').style.display = 'none';
function displayEditForm(id) {
    const item = todos.find(item => item.id === id);
    document.getElementById('edit-name').value = item.name;
    document.getElementById('edit-id').value = item.id;
    document.getElementById('edit-isComplete').checked = item.isComplete;
    document.getElementById('editForm').style.display = 'block';
Function _displayCount(itemCount) {
    const name = (itemCount === 1) ? 'to-do' : 'to-dos';
    document.getElementById('counter').innerText = `${itemCount} ${name}`;
```

Add

New to-do

Add

0 to-dos

Is Complete? Name

Add

Meeting

Add

0 to-dos

Is Complete? Name

Add

New to-do

Add

1 to-do

Is Complete?	Name		
	Meeting	Edit	Delete

Add

New to-do Add

Edit



1 to-do

Is Complete?	Name		
	Meeting	Edit	Delete

Add

New to-do

Add

1 to-do

Is Complete?	Name		
	Meeting at Board room	Edit	Delete