

# Deleting Completed Items

In this lesson, we will add the ability to delete items from the list in the application once the "to do" tasks have been completed.

## We'll cover the following

- Create Buttons Dynamically for Each Item
- Set up the Event Listener and Firestore Query
- Style the Delete Button
- The To-Do List Application

## Create Buttons Dynamically for Each Item #

Remember when we looped through our collection of items and placed each *to-do* inside a paragraph tag, then appended that to a container element? We are going to create buttons inside that loop with a similar method. We use JavaScript to dynamically create them and add the attribute of `data` to each one, which will hold the id of that item. We will use a `click` event to read that attribute and delete the correct item.

```
database.collection('to-do-lists').doc(uid).collection('my-list')
  .onSnapshot(snapshot => {
    document.getElementById('to-do-list-items').innerHTML = '';
    snapshot.forEach(element => {
      let p = document.createElement('p');
      p.textContent = element.data().item;
      let deleteButton = document.createElement('button');
      deleteButton.textContent = 'x';
      deleteButton.classList.add('delete-button');
      deleteButton.setAttribute('data', element.id);
      p.appendChild(deleteButton);
      document.getElementById('to-do-list-items').appendChild(p);
    });
  });
```

JavaScript

## Set up the Event Listener and Firestore Query #

We make an event listener for the delete buttons. When a button is clicked, we

make a delete query to Firestore to delete that item based on the item’s ID.

```
// Delete a to do list item
document.body.addEventListener('click', event => {
  if (event.target.matches('.delete-button')) {
    key = event.target.getAttribute('data');
    database.collection('to-do-lists').doc(uid).collection('my-list').doc(key).delete(
  };
});
```

JavaScript

## Style the Delete Button #

All we need for the delete button is a little margin on the left side of it to separate it from our to-do text.

```
.delete-button{
  margin-left: 20px;
}
```

CSS

## The To-Do List Application #

When you have completed a to-do item you can remove it from your list by deleting it.

This code requires the following API keys to execute: ^

apiKey	Not Specified...
authDomain	Not Specified...
databaseURL	Not Specified...
projectId	Not Specified...
storageBucket	Not Specified...
messagingSenderId	Not Specified...
appId	Not Specified...

Output

JavaScript

HTML

CSS (SCSS)



# Authentication Boilerplate

Sign In

Create User



Console

Clear

If user that is not you tries to read, write or delete your to-do list items we need our application to block those attempts. We cover that in the next lesson which is all about securing your data.