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

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

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).de
        };
});
```

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

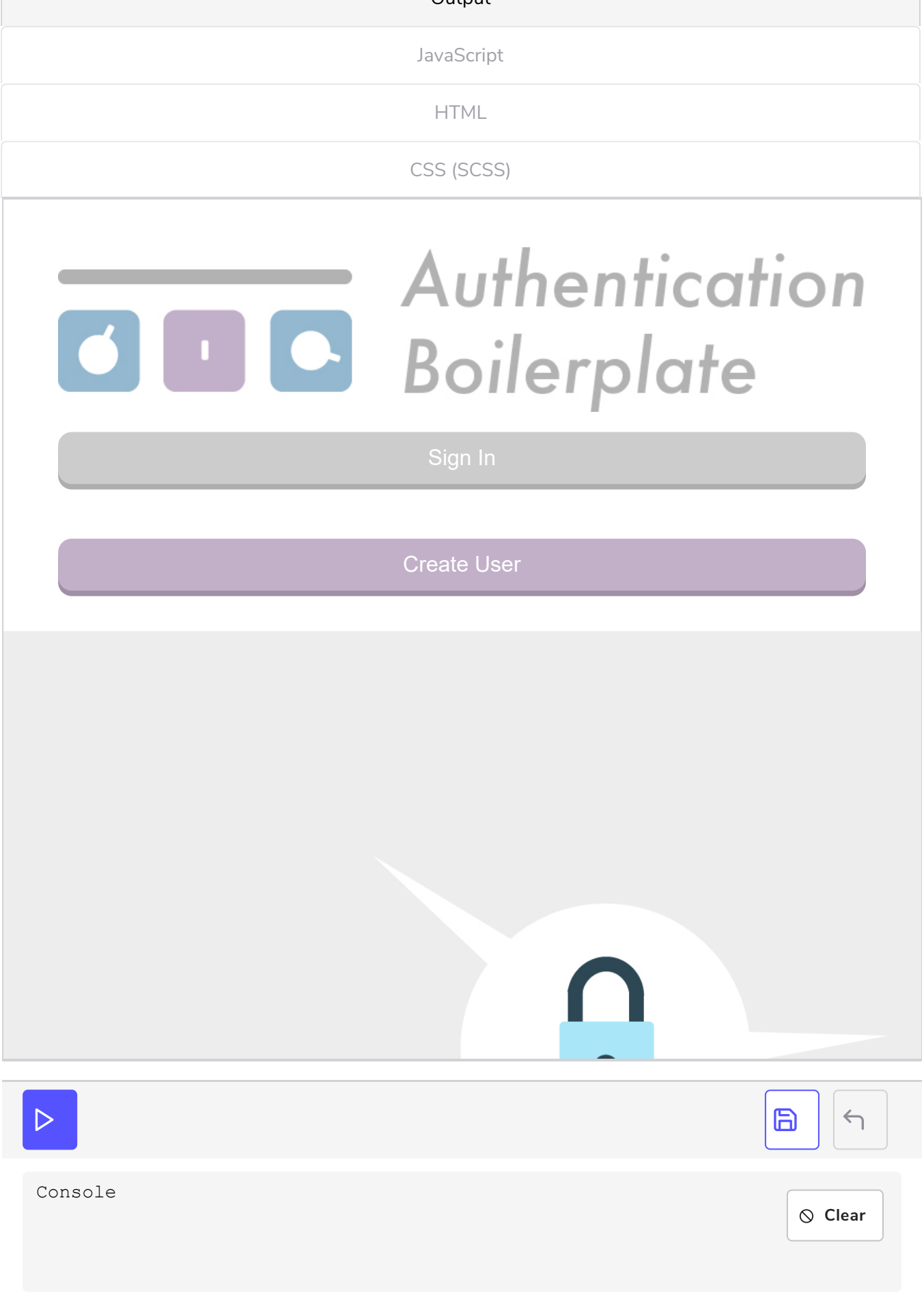
The To-Do List Application

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

This code requires the following keys to execute:

Key:	Value:
apiKey	Not Specified...
authDomain	Not Specified...
databaseURL	Not Specified...
projectId	Not Specified...
storageBucket	Not Specified...
messagingSenderId	Not Specified...
appId	Not Specified...

Output



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.