# Suno.AI Automation Script Explanation

## 1. Core Idea

The script automates generating lyrics on a web page:  
Sets song title, lyrics, and styles  
Clicks Create and Publish buttons  
Monitors for generated lyrics  
Downloads the lyrics automatically

## 2. Setting Input Values (React-Compatible)

**```javascript  
function setReactValue(el, value) {  
 el.value = value;  
 el.dispatchEvent(new Event('input', { bubbles: true }));  
 el.dispatchEvent(new Event('change', { bubbles: true }));  
}  
```**

Ensures React inputs register changes. Used for song title, lyrics, and styles.

## 3. Clicking Buttons Dynamically

```javascript  
function clickByTextContains(txt) {  
 const els = Array.from(document.querySelectorAll('button,[role="button"],a'));  
 const found = els.find(b => (b.textContent || '').toLowerCase().includes(txt.toLowerCase()));  
 if (found) found.click();  
}  
```

Finds and clicks buttons like Create or Publish.

## 4. Monitoring for Generated Lyrics (Polling)

```javascript  
const monitor = setInterval(() => {  
 const lyricsEl = getLyricsEl();  
 if (lyricsEl && lyricsEl.innerText.length > 50) {  
 console.log('Generated Lyrics Found:', lyricsEl.innerText);  
 }  
}, cfg.retryInterval);  
```

Checks the DOM every few seconds and detects when lyrics appear.

## 5. MutationObserver Concept

```javascript  
const targetNode = document.body;  
const observer = new MutationObserver((mutationsList) => {  
 for(const mutation of mutationsList) {  
 if (mutation.addedNodes.length > 0) {  
 console.log('DOM changed, check for lyrics...');  
 }  
 }  
});  
observer.observe(targetNode, { childList: true, subtree: true });  
```

Watches DOM for changes immediately. More efficient than polling.

## 6. Automatic Download

```javascript  
function downloadLyrics(lyrics, filename) {  
 const blob = new Blob([lyrics], { type: 'text/plain' });  
 const url = URL.createObjectURL(blob);  
 const a = document.createElement('a');  
 a.href = url;  
 a.download = filename;  
 a.click();  
 URL.revokeObjectURL(url);  
}  
```

Saves generated lyrics as a .txt file.

## Summary

* Inputs set using setReactValue
* Buttons clicked dynamically
* Lyrics detected via polling or MutationObserver
* Lyrics downloaded automatically