

CSS (Front End)

- [Block page - please wait](#)

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Block page to prevent (mini) DOS.

HTML

First part show an overlay, which is by default hidden (display:none).

The script, disables the button, changes the text, shows the overlay, wait 800 ms and then submits.

```
<!-- This is the busy overlay, show when Startig quiz... -->
<div class="modal-overlay" id="modalOverlay">
  <div class="modal-dialog">
    <div class="loader"></div>
    <p>Please wait... </p>
  </div>
</div>

....

<button type="button" id="submitButton" class=".....">Start</button>

<script>
  document.getElementById('submitButton').addEventListener('click', function () {
    this.disabled = true;
    this.innerText = 'Starting...';
    document.getElementById('modalOverlay').style.display = 'block';
    setTimeout(function () {
      document.getElementById('form').submit();
    }, 800);
  });
</script>
```

CSS

```
.modal-overlay {
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  background: rgba(0, 0, 0, 0.6);
  display: flex;
  justify-content: center;
  align-items: center;
  z-index: 1000;
  display: none;
}

.modal-dialog {
  position: fixed;
  top: 35%;
  left: 40%;
  background: #fff;
  border-radius: 5px;
  padding: 20px;
  text-align: center;
  box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.5);
}

.loader {
  border: 4px solid #f3f3f3;
  border-top: 4px solid #3498db;
  border-radius: 50%;
  width: 40px;
  height: 40px;
  animation: spin 2s linear infinite;
  margin: 0 auto;
  margin-bottom: 10px;
}

@keyframes spin {
  0% {
    transform: rotate(0deg);
  }
```

```
100% {  
  transform: rotate(360deg);  
}  
}
```

xx