

## MANIFEST.JSON

```
{  
  "manifest_version": 3,  
  "name": "Parent Control Extension",  
  "version": "1.0",  
  "permissions": [  
    "storage",  
    "webNavigation",  
    "webRequest",  
    "tabs",  
    "alarms"  
  ],  
  "host_permissions": [  
    "<all_urls>"  
  ],  
  "background": {  
    "service_worker": "background.js"  
  },  
  "action": {  
    "default_popup": "popup.html"  
  }  
}
```

## BACKGROUND.JS

```
let restrictedWords = [];

let timeLimit = 0;

let startTime = null;

let socialMediaDomains = [

  "facebook.com",

  "instagram.com",

  "tiktok.com",

  "twitter.com"

];


// Funcție pentru filtrarea conținutului
function filterContent(content) {

  restrictedWords.forEach(word => {

    const regex = new RegExp(word, 'gi');

    content = content.replace(regex, '*'.repeat(word.length));

  });

  return content;

}


// Monitorizare navigare

chrome.webNavigation.onCompleted.addListener(async (details) => {

  const timestamp = new Date().toISOString();

  const url = details.url;


  // Logging

  const logEntry = {

    timestamp,
```

```
url,
type: 'navigation'
};

const { logs = [] } = await chrome.storage.local.get('logs');
logs.push(logEntry);
await chrome.storage.local.set({ logs });

// Verificare cuvinte restricționate
const response = await fetch(url);
const text = await response.text();

restrictedWords.forEach(word => {
  if (text.toLowerCase().includes(word.toLowerCase())) {
    const restrictedEntry = {
      timestamp,
      url,
      word,
      type: 'restricted_word'
    };
    logs.push(restrictedEntry);
    chrome.storage.local.set({ logs });
  }
});
});

// Control timp pentru social media
chrome.tabs.onUpdated.addListener((tabId, changeInfo, tab) => {
  if (changeInfo.status === 'complete' && tab.url) {
```

```
const domain = new URL(tab.url).hostname;

if (socialMediaDomains.some(social => domain.includes(social))) {
  if (!startTime) {
    startTime = Date.now();

    // Setăm alarme pentru avertismente
    const warningTimes = [5, 2, 1]; // minute înainte de expirare
    warningTimes.forEach(time => {
      const warningAt = timeLimit - (time * 60 * 1000);
      chrome.alarms.create(`warning_${time}`, {
        when: startTime + warningAt
      });
    });
  }

  const timeSpent = Date.now() - startTime;
  if (timeSpent >= timeLimit) {
    chrome.tabs.update(tabId, { url: 'blocked.html' });
  }
}

});

// Gestionare alarme pentru avertismente
chrome.alarms.onAlarm.addListener((alarm) => {
  if (alarm.name.startsWith('warning_')) {
    const minutesLeft = parseInt(alarm.name.split('_')[1]);
    chrome.notifications.create({
```

```
    type: 'basic',  
    title: 'Avertisment timp',  
    message: `Mai ai ${minutesLeft} minute rămase pentru social media astăzi.`,  
    iconUrl: 'icon.png'  
  });  
}  
});
```

## BLOCKED.HTML

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>Acces Blocat</title>  
    <style>  
      body {  
        display: flex;  
        justify-content: center;  
        align-items: center;  
        height: 100vh;  
        margin: 0;  
        font-family: Arial, sans-serif;  
        background-color: #f0f0f0;  
      }  
      .message {  
        text-align: center;  
        padding: 20px;  
        background: white;  
        border-radius: 8px;
```

```
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
  }
</style>
</head>
<body>
  <div class="message">
    <h1>Timpul alocat pentru social media s-a terminat pentru astazi</h1>
    <p>Te rugam sa revii maine.</p>
  </div>
</body>
</html>
```

## POPUP.HTML

```
<!DOCTYPE html>
<html>
<head>
  <title>Parent Control Settings</title>
  <style>
    body {
      width: 300px;
      padding: 10px;
    }
    .section {
      margin-bottom: 15px;
    }
  </style>
</head>
```

```
<body>

<div class="section">

  <h3>Cuvinte Restrictionate</h3>

  <textarea id="restrictedWords" rows="4" cols="30"></textarea>

</div>


<div class="section">

  <h3>Limita Timp Social Media (minute)</h3>

  <input type="number" id="timeLimit" min="0">

</div>


<div class="section">

  <button id="saveSettings">Salvează Setari</button>

</div>


<div class="section">

  <button id="viewLogs">Vezi Loguri</button>

</div>


<script src="popup.js"></script>

</body>

</html>
```

## POPUP.JS

```
document.addEventListener('DOMContentLoaded', async () => {

    // Încărcăm setările salvate

    const settings = await chrome.storage.local.get(['restrictedWords', 'timeLimit']);

    document.getElementById('restrictedWords').value = settings.restrictedWords?.join('\n') || '';
    document.getElementById('timeLimit').value = settings.timeLimit || 60;

    // Salvare setări

    document.getElementById('saveSettings').addEventListener('click', async () => {

        const restrictedWords = document.getElementById('restrictedWords')

            .value

            .split('\n')

            .filter(word => word.trim());

        const timeLimit = parseInt(document.getElementById('timeLimit').value) * 60 * 1000; //
        convertim în milisecunde

        await chrome.storage.local.set({

            restrictedWords,

            timeLimit

        });

        // Actualizăm variabilele din background

        chrome.runtime.sendMessage({

            type: 'updateSettings',

            settings: { restrictedWords, timeLimit }

        });

    });

});
```



```

});

});

// Vizualizare loguri

document.getElementById('viewLogs').addEventListener('click', async () => {

  const { logs = [] } = await chrome.storage.local.get('logs');

  // Deschidem o nouă fereastră pentru loguri

  const logsWindow = window.open('', 'Loguri Parent Control', 'width=800,height=600');

  let html = '<h2>Loguri de Activitate</h2>';

  html += '<table border="1" style="width:100%">';

  html += '<tr><th>Data/Ora</th><th>URL</th><th>Tip</th><th>Detalii</th></tr>';

  logs.forEach(log => {

    html += `

      <tr>

        <td>${new Date(log.timestamp).toLocaleString()}</td>

        <td>${log.url}</td>

        <td>${log.type}</td>

        <td>${log.word || '-'}</td>

      </tr>

    `;

  });

  html += '</table>';

```

```
logsWindow.document.body.innerHTML = html;
```

```
});
```

```
});
```