

```
// AI Tools Data with affiliate-ready links
const tools = [
  {
    id: 1,
    name: "ChatGPT",
    description: "Advanced AI chatbot that understands and generates human-like text",
    link: "https://chat.openai.com?ref=aitoolhub",
    category: "Chatbots",
    price: "freemium",
    rating: 4.8
  },
  {
    id: 2,
    name: "Canva AI",
    description: "Create stunning designs with AI-powered tools",
    link: "https://www.canva.com?ref=aitoolhub",
    category: "Design",
    price: "freemium",
    rating: 4.5
  },
  {
    id: 3,
    name: "Notion AI",
    description: "AI-powered workspace for notes, docs, and projects",
    link: "https://www.notion.so?ref=aitoolhub",
    category: "Productivity",
    price: "freemium",
    rating: 4.7
  }
];
```

```
// DOM Elements
```

```
const toolList = document.getElementById('tool-list');
const searchInput = document.getElementById('search');
const categoryFilter = document.getElementById('category-filter');
const priceFilter = document.getElementById('price-filter');
```

```
// Initialize
```

```
function init() {
  renderTools(tools);
  populateCategoryFilter();
}
```

```
// Event Listeners
```

```
searchInput.addEventListener('input', filterTools);
categoryFilter.addEventListener('change', filterTools);
priceFilter.addEventListener('change', filterTools);
}
```

```
// Render Tools
```

```
function renderTools(toolsToRender) {
  toolList.innerHTML = toolsToRender.map(tool => `
    <div class="tool">
```

```

    <h2>${tool.name}</h2>
    <div>
      <span class="tool-category">${tool.category}</span>
      <span class="tool-price">${tool.price === 'free' ? 'Free' : 'Freemium'}</span>
    </div>
    <p>${tool.description}</p>
    <a href="${tool.link}" class="tool-link" target="_blank">Visit Tool</a>
  </div>
  `).join("");
}

```

// Populate Category Filter

```

function populateCategoryFilter() {
  const categories = [...new Set(tools.map(tool => tool.category))];
  categories.forEach(category => {
    const option = document.createElement('option');
    option.value = category;
    option.textContent = category;
    categoryFilter.appendChild(option);
  });
}

```

// Filter Tools

```

function filterTools() {
  const searchTerm = searchInput.value.toLowerCase();
  const category = categoryFilter.value;
  const price = priceFilter.value;

  const filtered = tools.filter(tool => {
    const matchesSearch =
      tool.name.toLowerCase().includes(searchTerm) ||
      tool.description.toLowerCase().includes(searchTerm);

    const matchesCategory = category === 'all' || tool.category === category;
    const matchesPrice = price === 'all' || tool.price === price;

    return matchesSearch && matchesCategory && matchesPrice;
  });

  renderTools(filtered);
}

```

// Start the app

```

init();

```