

```

<!doctype html>
<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="viewport" content="width=devicewidth,initialscale=1" />

<title>Simple To-Do (HTML only)</title>

<style>

:root{

--bg:#0f1724; --card:#0b1220; --accent:#7dd3fc; --muted:#94a3b8; --glass:
rgba(255,255,255,0.03); font-family: Inter, system-ui, apple-system, "Segoe
UI", Roboto, "Helvetica Neue", Arial;

}

html,body{height:100%;margin:0;background:lineargradient(180deg,#071023 0%, #081424
60%);color:#e6eef8}

.wrap{max-width:760px;margin:40px auto;padding:22px;background:linear-
gradient(180deg,var(-- glass),transparent);border-radius:14px;box-shadow:0
10px 30px rgba(2,6,23,0.6);} header{display:flex;align-
items:center;gap:14px}

header h1{font-size:20px;margin:0} .meta{margin-
left:auto;color:var(--muted);font-size:13px}

form{display:flex;gap:8px;margin:18px 0} input[type="text"]{
flex:1;padding:10px 12px;borderradius:10px;border:1px solid
rgba(255,255,255,0.06);
background:transparent;color:inherit;outline:none;

}    button{
backgrou

```

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nd:var(acce
nt);b
order:non
e;padding
g:10px
14px;border
derradius
:10px;font
t-
weight:60
0;cursor: pointer;
boxshado
w:0 6px
18px
rgba(125,
211,252,0
.08);
}
.controls{display:flex;gap:8px;alignitems:center;marginbottom:12 px}
.controls select, .controls input[type="search"]{ padding:8px;border-
radius:10px;border:1px solid
rgba(255,255,255,0.04);background:transparent;color:inherit;
} ul#todos{liststyle:none;padding:0;margin:0;display:grid;gap:8px }
li.todo{display:flex;alignitems:center;gap:12px;padding:10px;border
erradius:10px;background:linear- gradient(180deg,
rgba(255,255,255,0.02), transparent);border:1px solid
rgba(255,255,255,0.02)} li.todo .title{flex:1}

.small{font-size:12px;color:var(--muted)}

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```
.actions button{background:transparent;border:0;color:var(--muted);cursor:pointer;padding:6px;border-radius:8px}

.actions button:hover{color:var(--accent)}

.badge{padding:6px
8px;border-radius:999px;background:rgba(255,255,255,0.02);font-size:12px;color:var(--muted)}

.done{opacity:0.6;text-decoration:line-through}

footer{display:flex;justify-content:space-between;align-items:center;
margin-top:16px;color:var(-- muted);font-size:13px}

@media (max-width:520px){.wrap{margin:18px;padding:14px} header
h1{font-size:16px}}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<main class="wrap" role="main">
```

```
<header>
```

```
<svg width="36" height="36" viewBox="0 0 24 24" fill="none" aria-
hidden><rect width="24" height="24" rx="6" fill="#05233a"/><path d="M6
12h12M9 7h6M9 17h6" stroke="#7dd3fc" stroke-width="1.6"
stroke-linecap="round"/></svg>
```

```
<h1>Quick To-Do</h1>
```

```
<div class="meta" id="dateMeta" aria-live="polite"></div>
```

```
</header>
```

```
<form id="addForm" aria-label="Add todo">
```

```
<input id="todoInput" type="text" placeholder="Add a task (e.g.
Study for exam at 4pm)" required aria-required="true" />
```

```
<button type="submit">Add</button>
```

```
</form>
```

```
<div class="controls" role="region" aria-label="controls">

<select id="filter" title="Filter tasks">

<option value="all">All tasks</option>

<option value="active">Active</option>

<option value="done">Completed</option>

</select>

<input id="search" type="search" placeholder="Search tasks" />
<div style="marginleft:auto;display:flex;gap:8px;alignitems:center">  <span
class="badge" id="countBadge">0 items</span>

<button id="clearDone" type="button" title="Remove completed
tasks">Clear done</button>

</div>

</div>

<ul id="todos" aria-live="polite"></ul>

<footer>

<div class="small">Local-only • Saves in this browser</div>
<div class="small">Tip: press <kbd>Enter</kbd> to add</div>

</footer>

</main>

<script>

/* Simple To-Do with localStorage — single-file HTML program */ (function(){
const key = 'quick_todos_v1'; const $ = sel => document.querySelector(sel);
const $$ = sel =>
```

```

Array.from(document.querySelectorAll(sel)); const todosEl =
$('#todos'); const input = $('#todoInput'); const form =
$('#addForm'); const filter =
$('#filter'); const search =
$('#search'); const countBadge =
$('#countBadge'); const clearDoneBtn
= $('#clearDone');

const dateMeta = $('#dateMeta');

// show today's date const now = new Date(); dateMeta.textContent =
now.toLocaleDateString(undefined,
{weekday:'short', month:'short', day:'numeric'});

// utilities

function uid(){ return Math.random().toString(36).slice(2,9); } function load(){
try { return
JSON.parse(localStorage.getItem(key)||'[]') } catch(e){return []}} function
save(items){ localStorage.setItem(key,
JSON.stringify(items)); render(); } function getItems(){ return load(); }

// render function render(){ const items = getItems(); const
q = search.value.trim().toLowerCase(); const f =
filter.value; let shown = items.filter(it => { if(f==='active' &&
it.done) return false; if(f==='done' && !it.done) return false;

if(q && !it.text.toLowerCase().includes(q)) return false; return
true;

```

```
});
```

```
todosEl.innerHTML = shown.map(it => `<li class="todo"
dataid="${it.id}">
```

```
<input type="checkbox" ${it.done ? 'checked' : ''} arialabel="Mark
${escapeHtml(it.text)} as done">
```

```
<div class="title ${it.done ? 'done' : ''}">
```

```
<div>${escapeHtml(it.text)}</div>
```

```
<div class="small">${it.createdAt}</div>
```

```
</div>
```

```
<div class="actions">
```

```
<button class="edit" title="Edit">✎</button>
```

```
<button class="delete" title="Delete">🗑</button>
```

```
</div>
```

```
</li>
```

```
`).join("");
```

```
countBadge.textContent = items.length + (items.length === 1 ? ' item' : '
items');
```

```
}
```

```
// escape for safe insertion into HTML
```

```
function escapeHtml(str){ return str.replace(/[\<>"]/g,
```

```
(m)=>({
```

```
'&': '&amp;','<': '&lt;','>': '&gt;','"': '&quot;','"': '&#39;')[m]]);
```

```
}
```

```

// add form.addEventListener('submit', e=>{

e.preventDefault(); const text = input.value.trim(); if(!text) return;
const items = getItems(); items.unshift({ id: uid(), text, done:false,
createdAt: new
Date().toLocaleString() }); save(items); input.value
= ""; input.focus();
});

// delegate clicks todosEl.addEventListener('click', e=>{

const li = e.target.closest('li.todo'); if(!li) return;

const id = li.dataset.id; const items = getItems(); const idx =
items.findIndex(i=>i.id===id); if(idx === -1) return;
if(e.target.matches('input[type="checkbox" ]')){ items[idx].done
= e.target.checked; save(items); } else
if(e.target.closest('.delete')){ if(confirm('Delete this task?')){
items.splice(idx,1); save(items); }
} else if(e.target.closest('.edit')){ const newText = prompt('Edit task',
items[idx].text); if(newText !== null){ items[idx].text = newText.trim() ||
items[idx].text; save(items); }
}
});

// keyboard: Enter to add when focused in input
input.addEventListener('keydown', e=>{

if(e.key === 'Enter' && !e.shiftKey){ e.preventDefault();

```

```
form.dispatchEvent(new Event('submit')); }  
});
```

```
filter.addEventListener('change', render); search.addEventListener('input',  
render); clearDoneBtn.addEventListener('click', ()=>{ const items =  
getItems().filter(i=>!i.done); save(items);  
  
});
```

```
// first-run demo item if(getItems().length === 0){ const demo = [{ id: uid(),  
text: 'Welcome — add a task and try editing or marking done', done:false,  
createdAt: new  
Date().toLocaleString() }]; localStorage.setItem(key,  
JSON.stringify(demo));  
}
```

```
// initial render render();
```

```
// expose for debugging (optional) window._todoApp  
= {
```

```
load, save, getItems, render  
};
```

```
})();
```

```
</script>
```

```
</body>
```

```
</html>
```