#### FSO - **1.14\*: anecdotes step 3 (app: courseinfo/anecdotes)**

**🧠 Initial State (when the page loads)**

selected = 0

votes = [0, 0, 0, 0, 0, 0, 0, 0]

**👇 What you see on screen:**

🟦 Anecdote of the day

📝 “If it hurts, do it more often.”

👍 Votes: 0

🔘 [vote] 🔘 [next anecdote]

**🟢 When You Click**

**“vote”**

**✅ Logic:**

updatedVotes = [...votes];

updatedVotes[selected] += 1;

setVotes(updatedVotes);

**🔄 Before:**

votes = [0, 0, 0, 0, 0, 0, 0, 0]

If selected = 0, this will update:

votes = [1, 0, 0, 0, 0, 0, 0, 0]

**📺 What changes on screen:**

📝 “If it hurts, do it more often.”

👍 Votes: 1

🔘 [vote] 🔘 [next anecdote]

✅ Also now, since maxVotes = 1, the **“Anecdote with most votes”** block **appears**:

🟩 Anecdote with most votes

📝 “If it hurts, do it more often.”

👍 Votes: 1

**🔁 When You Click**

**“next anecdote”**

**✅ Logic:**

const rand = Math.floor(Math.random() \* anecdotes.length);

setSelected(rand);

Let’s say rand = 4 → new selected = 4

**🔄 What updates:**

selected = 4

The UI rerenders to show the 5th anecdote:

anecdotes[selected] = 'Premature optimization is the root of all evil.'

votes[selected] = 0

**📺 What changes on screen:**

🟦 Anecdote of the day

📝 “Premature optimization is the root of all evil.”

👍 Votes: 0

🔘 Vote and next buttons remain the same

🟩 “Anecdote with most votes” section **still shows** the top one (still index 0 if no other has votes)

**🎯 When Another Anecdote Gets More Votes**

Let’s say you:

* Click “next anecdote” → get anecdote at index 5
* Click “vote” three times

**🔄 Now:**

votes = [1, 0, 0, 0, 0, 3, 0, 0]

maxVotes = 3

topAnecdoteIndex = 5

**📺 What you see:**

🟦 Anecdote of the day:

📝 “Debugging is twice as hard…”

👍 Votes: 3

🟩 Anecdote with most votes updates:

📝 “Debugging is twice as hard…”

👍 Votes: 3

**🔚 Summary Visual Table**

| **Interaction** | **selected** | **votes (simplified)** | **UI Effect** |
| --- | --- | --- | --- |
| App loads | 0 | [0,0,0,...] | First anecdote shows |
| Click “vote” | 0 | [1,0,0,...] | Vote count increases |
| Click “next” | 4 | [1,0,0,0,0,...] | New anecdote appears |
| Vote index 5 ×3 | 5 | [1,0,0,0,0,3,...] | Top anecdote section changes |

If you’d like, I can make this into a real-time simulation or visual diagram. Just let me know how you want to visualize it — chart, flowchart, animation-style steps, or even a side-by-side screenshot mockup.