[project link 👉](https://github.com/Lambodar2001/FrontEndDev2025/blob/ad8585dc07aa6efdaa593a7c8397e061ff88ce63/Ep7.%20Project1%20part1/script.js)

## 🧠 **Goal of this JavaScript Code**

✅ You have 3 goal inputs and 3 checkboxes. ✅ You can **tick** a goal *only when all 3 inputs are filled*. ❌ If any input is empty, show red error message. ✨ When ticked, it shows green color and cross line on text.

## 🔧 JS Code Simple Explanation (Line by Line)

### 🟩 1. Select all elements from the page

const checkBoxList = document.querySelectorAll('.custom-checkbox')  
const inputFields = document.querySelectorAll('.goal-input')  
const progress\_bar = document.querySelector('.progress-bar')

✅ These lines **grab elements from the page**:

* checkBoxList: All the circle checkboxes
* inputFields: All the text inputs
* progress\_bar: The box which shows error or progress

### 🟨 2. Loop on every checkbox

checkBoxList.forEach((checkbox) => {  
 checkbox.addEventListener('click', (e) => {

✅ This means: 👉 “For each checkbox, when clicked → do something.”

### 🟧 3. Check if all 3 inputs have some text

const allFieldsFilled = [...inputFields].every((input) => {  
 return input.value  
})

🧠 Simple logic:

* [...inputFields] = convert inputs to array
* .every() = check **every input** has value (not empty)

💡 So this line checks: 👉 “Are all 3 inputs filled?”

### 🟨 4. If inputs filled → mark checkbox as completed

if (allFieldsFilled) {  
 checkbox.parentElement.classList.toggle('completed')  
}

✅ If all goals are written:

* Apply .completed class on the box
* This changes style using CSS:
  + Shows green tick ✅
  + Text becomes green + line-through

### 🟥 5. If not filled → show error message

else {  
 progress\_bar.classList.add('show-error')  
}

❌ If even 1 input is empty:

* Add class .show-error
* That class makes red error text visible: 👉 “Please set all 3 goals!”

### 🧽 6. When user clicks on any input → remove error

inputFields.forEach((input)=>{  
 input.addEventListener('focus', ()=>{  
 progress\_bar.classList.remove('show-error')  
 })  
})

✅ Meaning:

* When user starts typing again,
* Red error message will go away.

## 

## 📌 In Simple Words

| Action | What Happens |
| --- | --- |
| ✅ All 3 goals written + click checkbox | Shows green tick and line on text |
| ❌ Any goal is empty + click checkbox | Shows red error message |
| ✍️ Click in input box | Error message disappears |

## 💡 Easy Words to Remember

| Word | Meaning |
| --- | --- |
| querySelectorAll | Select all matching items from HTML |
| forEach | Loop on all items |
| addEventListener('click') | Do something when clicked |
| every() | Check if **all items** follow a condition |
| classList.toggle() | Add/remove class (like switch ON/OFF) |
| classList.add() | Show something (like error) |
| classList.remove() | Hide something |