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1 /***** 11_EVENT_BUBBLING_DELEGATION *****/
2
3 /**
4  * Event Bubbling:
5  * --> If a event is fired on some elment and that element fires the events
   of its all parents elements automatically, this nature is called Event
   Bubbling
6  *
7  * EXAMPLE:
8  * --> ROOT:
9  *     -> LEVEL 1:
10 *         -> LEVEL 2:
11 *             -> LEVEL 3:
12 *
13 * --> if an event of LEVEL 3 is fired then the events on LEVEL 2 will be
   fired which causes the events of LEVEL 1 to be fired then finally ROOT LEVEL
   Events' will be fired. --> Due To Event Bubbling
14 * --> Event Bubbling Can Be Stopped Using e.stopPropagation();
15 */
16
17 /**
18 * Card
19 * -> Card Content
20 *     -> Card Title
21 */
22 document.querySelector('.card-title')
23     .addEventListener('click', function(e) {
24         e.stopPropagation();
25         console.log('card-title')
26     });
27 document.querySelector('.card-content').addEventListener('click', function() {
28     console.log('card content');
29 });
30 document.querySelector('.card').addEventListener('click', function() {
31     console.log('Card Itself');
32 });
33
34
35 /**
36 * EVENT DELEGATION:
37 * --> The idea is that if we have a lot of elements handled in a similar
   way, then instead of assigning a handler to each of them – we put a single
   handler on their common ancestor.
38 * --> In the handler we get event.target, see where the event actually
   happened and handle it.
39 * --> Some Items are generated dynamically on the dom, if we need to target
   them and add event listeners, then we can use event delegation.
40 */
41
42 document.body.addEventListener('click', function(e) {
43     if (e.target.parentElement.classList.contains('delete-item')) {
44         e.target.parentElement.parentElement.remove();
45     }
46 });

```