

```
1 using System.Linq;
2 using System.Web;
3 using System.Web.Http;
4
5 namespace ParticipantWebAPIService.Controllers
6 {
7     public class ParticipantsController : ApiController
8     {
9         public IHttpActionResult Get()
10         {
11             ParticipantDBEntities entities = new ParticipantDBEntities();
12             var result = entities.Participant.ToArray();
13             return Json(result);
14         }
15
16         public IHttpActionResult Get(string initials)
17         {
18             ParticipantDBEntities entities = new ParticipantDBEntities();
19             var result = entities.Participant.FirstOrDefault(p => p.initials == initials);
20             return Json(result);
21         }
22
23         public void Post([FromBody]Participant participant)
24         {
25             ParticipantDBEntities entities = new ParticipantDBEntities();
26             entities.Participant.Add(participant);
27             entities.SaveChanges();
28         }
29
30         public IHttpActionResult Options()
31         {
32             HttpContext.Current.Response.AppendHeader("Allow", "GET, OPTIONS");
33             return Ok();
34         }
35
36         public void Delete(string initials)
37         {
38             ParticipantDBEntities entities = new ParticipantDBEntities();
39
40             var participant = entities.Participant
41                 .Where(s => s.initials == initials).FirstOrDefault();
42             //                                     //Equivalente
43             //Participant participant = entities.Participant.Find(initials);
44
45             entities.Participant.Remove(participant);
46             entities.SaveChanges();
47         }
48     }
49 }
50
51
```