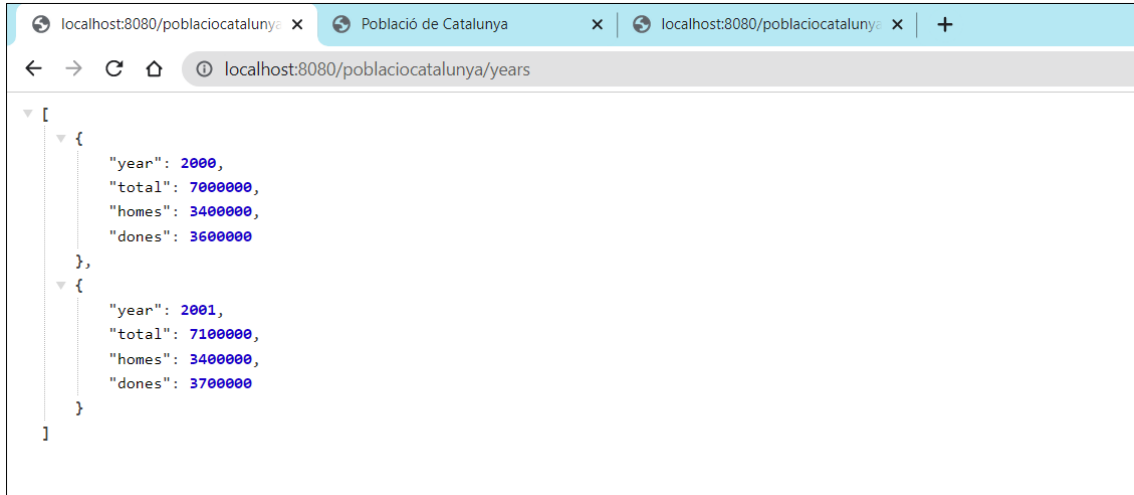


Pregunta 1 (2 punts). Començant el projecte

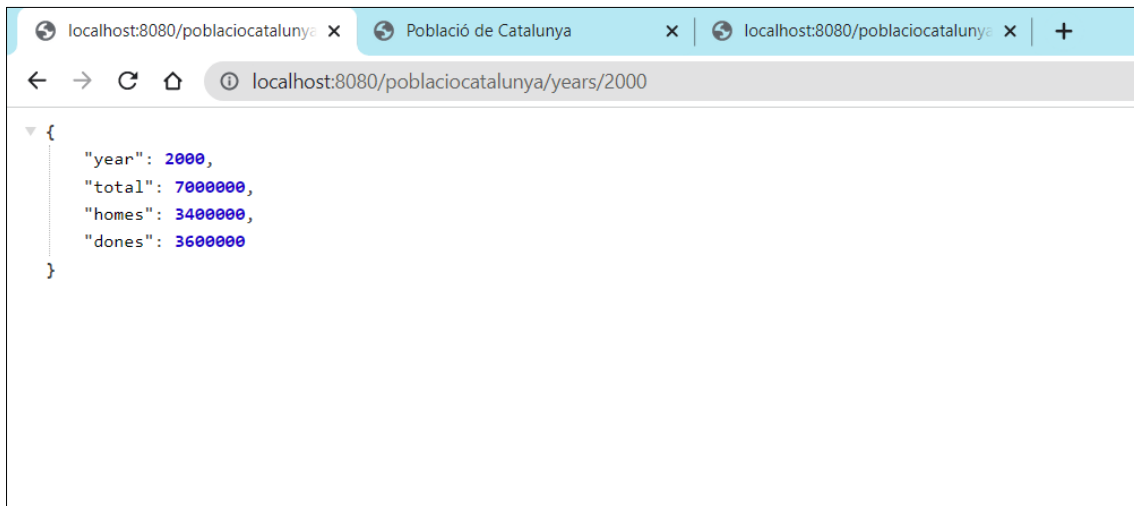
- <http://localhost:8080/poblaciocatalunya/years>



The screenshot shows a web browser with three tabs: 'localhost:8080/poblaciocatalunya', 'Població de Catalunya', and 'localhost:8080/poblaciocatalunya'. The address bar shows 'localhost:8080/poblaciocatalunya/years'. The page content is a JSON array with two objects representing the years 2000 and 2001.

```
[
  {
    "year": 2000,
    "total": 7000000,
    "homes": 3400000,
    "dones": 3600000
  },
  {
    "year": 2001,
    "total": 7100000,
    "homes": 3400000,
    "dones": 3700000
  }
]
```

- <http://localhost:8080/poblaciocatalunya/years/2000>

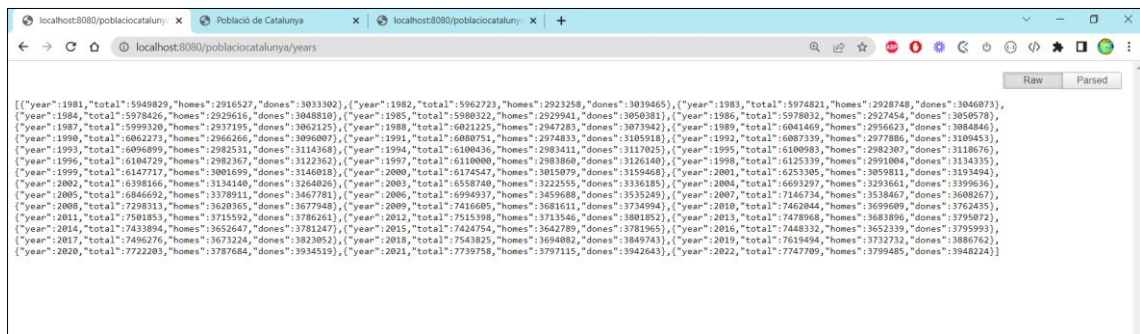


The screenshot shows the same web browser with the address bar changed to 'localhost:8080/poblaciocatalunya/years/2000'. The page content is a single JSON object representing the year 2000.

```
{
  "year": 2000,
  "total": 7000000,
  "homes": 3400000,
  "dones": 3600000
}
```

Pregunta 2 (2 punts). Carregar les dades reals

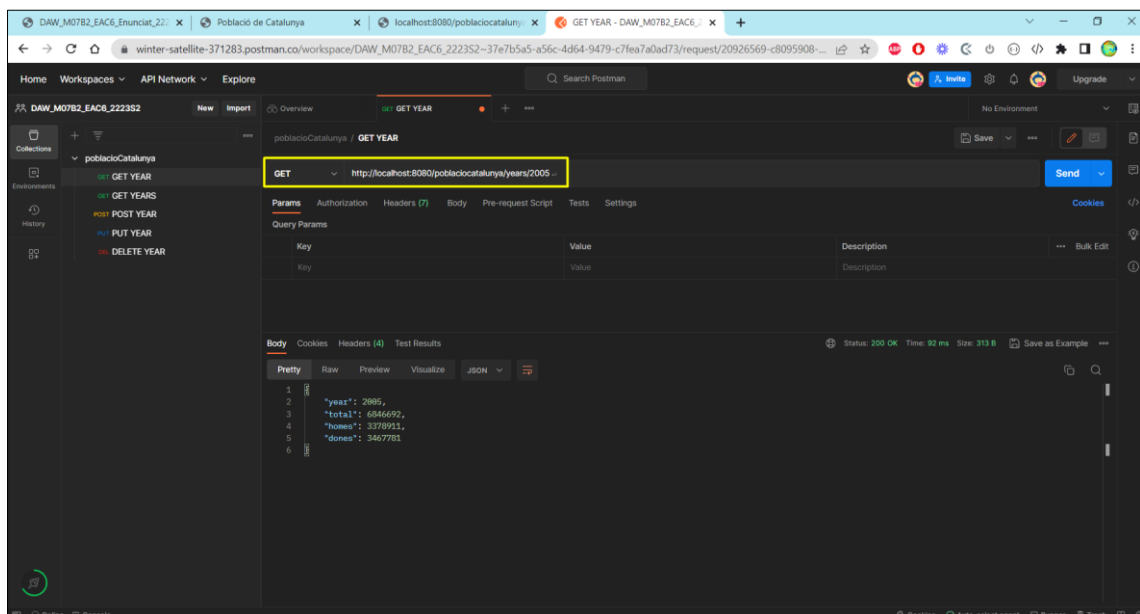
- <http://localhost:8080/poblaciocatalunya/years>



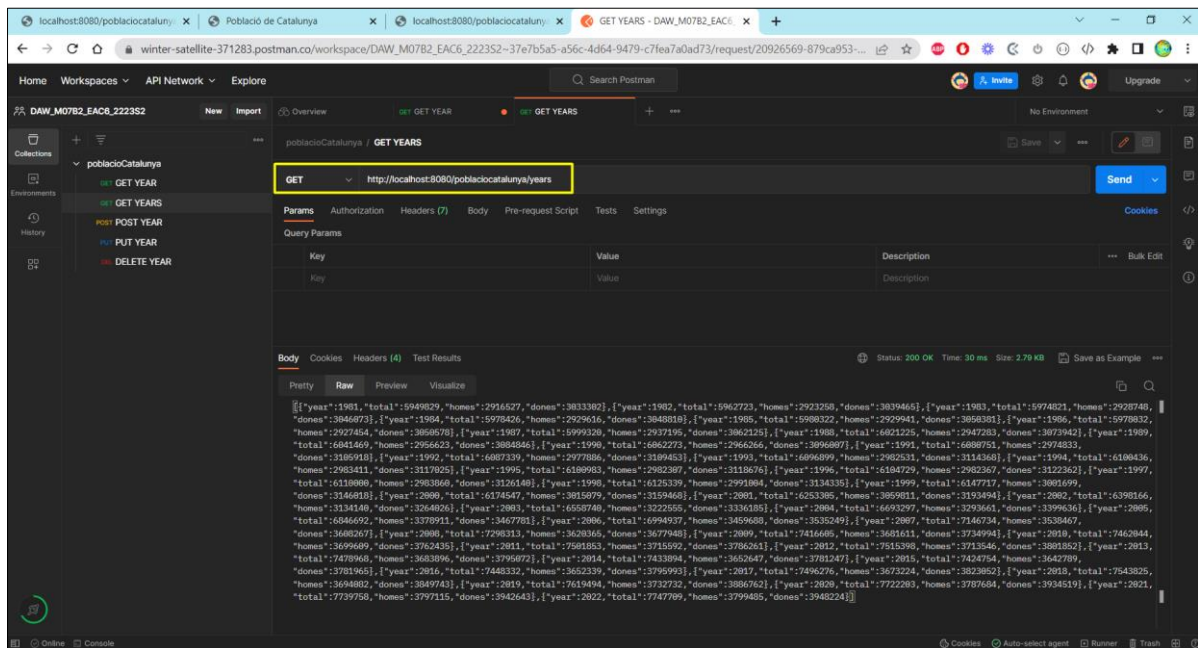
```
[{"year":1981,"total":5949829,"homes":2916527,"dones":3033302}, {"year":1982,"total":5963223,"homes":2923258,"dones":3039665}, {"year":1983,"total":5974821,"homes":2928748,"dones":3046073}, {"year":1984,"total":5978426,"homes":2929616,"dones":3048810}, {"year":1985,"total":5980322,"homes":2929941,"dones":3050381}, {"year":1986,"total":5978032,"homes":2927454,"dones":3050578}, {"year":1987,"total":5999320,"homes":2937195,"dones":3062125}, {"year":1988,"total":6021225,"homes":2947283,"dones":3073942}, {"year":1989,"total":6041469,"homes":2956623,"dones":3084846}, {"year":1990,"total":6062273,"homes":2966266,"dones":3096007}, {"year":1991,"total":6080751,"homes":2974833,"dones":3105918}, {"year":1992,"total":6087339,"homes":2977886,"dones":3109453}, {"year":1993,"total":6096899,"homes":2982531,"dones":3116368}, {"year":1994,"total":6108436,"homes":2983411,"dones":3117025}, {"year":1995,"total":6109983,"homes":2982307,"dones":3118676}, {"year":1996,"total":6104729,"homes":2982367,"dones":3122362}, {"year":1997,"total":6110000,"homes":2983868,"dones":3126140}, {"year":1998,"total":6125339,"homes":2991004,"dones":3134335}, {"year":1999,"total":6147717,"homes":3001699,"dones":3146018}, {"year":2000,"total":6174547,"homes":3015079,"dones":3159468}, {"year":2001,"total":6253305,"homes":3059811,"dones":3193494}, {"year":2002,"total":6398166,"homes":3134140,"dones":3264026}, {"year":2003,"total":6558740,"homes":3222555,"dones":3336185}, {"year":2004,"total":6693297,"homes":3293661,"dones":3399636}, {"year":2005,"total":6846692,"homes":3378911,"dones":3467781}, {"year":2006,"total":6994937,"homes":3459688,"dones":3535249}, {"year":2007,"total":7146734,"homes":3538467,"dones":3608267}, {"year":2008,"total":7298313,"homes":3620365,"dones":3677948}, {"year":2009,"total":7416605,"homes":3681611,"dones":3734994}, {"year":2010,"total":7462044,"homes":3699609,"dones":3762435}, {"year":2011,"total":7581853,"homes":3715592,"dones":3786261}, {"year":2012,"total":7515398,"homes":3713546,"dones":3801852}, {"year":2013,"total":7478968,"homes":3683896,"dones":3795072}, {"year":2014,"total":7433894,"homes":3652647,"dones":3781247}, {"year":2015,"total":7424754,"homes":3642789,"dones":3781865}, {"year":2016,"total":7448332,"homes":3652339,"dones":3795993}, {"year":2017,"total":7496276,"homes":3673224,"dones":3823052}, {"year":2018,"total":7543825,"homes":3694082,"dones":3849743}, {"year":2019,"total":7619494,"homes":3732732,"dones":3886762}, {"year":2020,"total":7722203,"homes":3787684,"dones":3934519}, {"year":2021,"total":7739758,"homes":3797115,"dones":3942643}, {"year":2022,"total":7747709,"homes":3799485,"dones":3948224}]
```

Pregunta 3 (2,5 punts). Acabant el controlador del servei RESTful

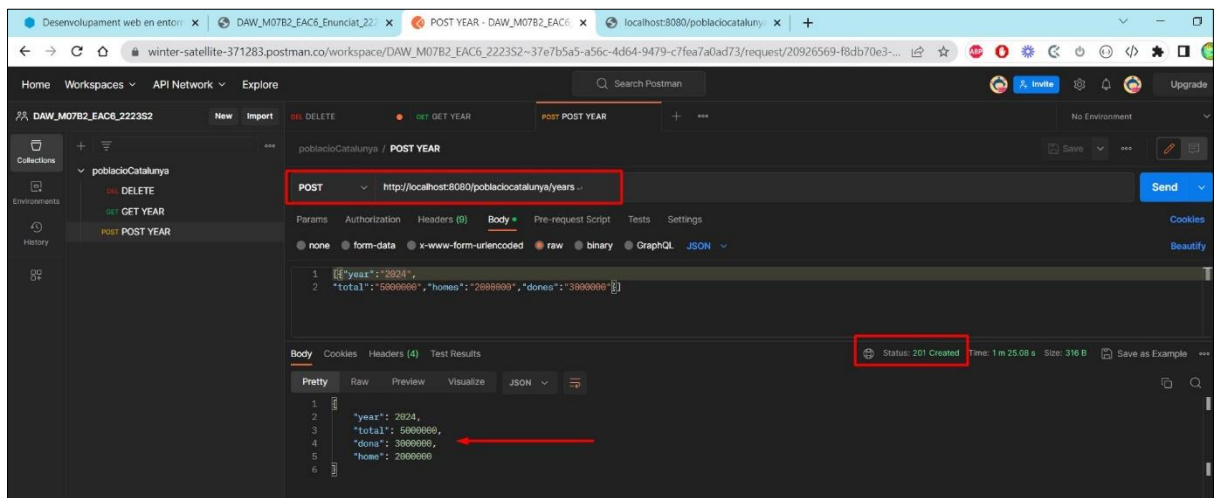
- <http://localhost:8080/poblaciocatalunya/years/2005>



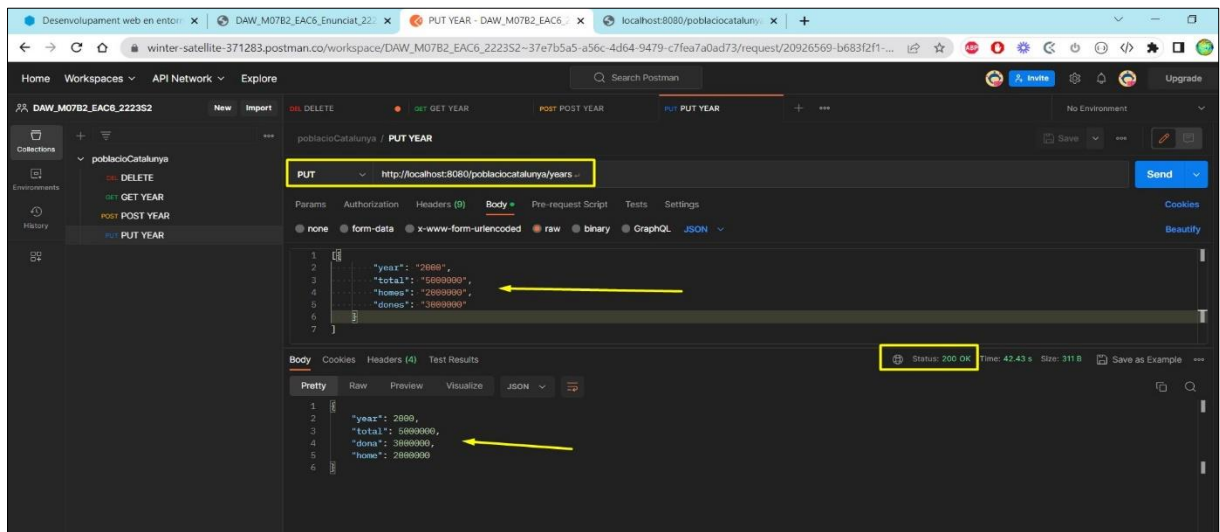
- <http://localhost:8080/poblaciocatalunya/years>



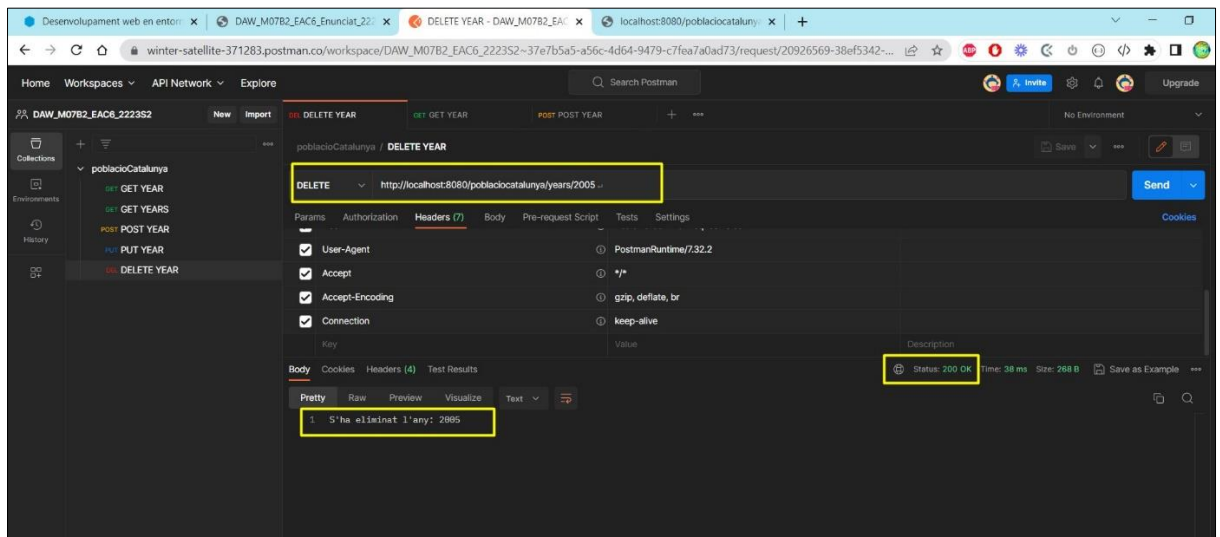
- POST



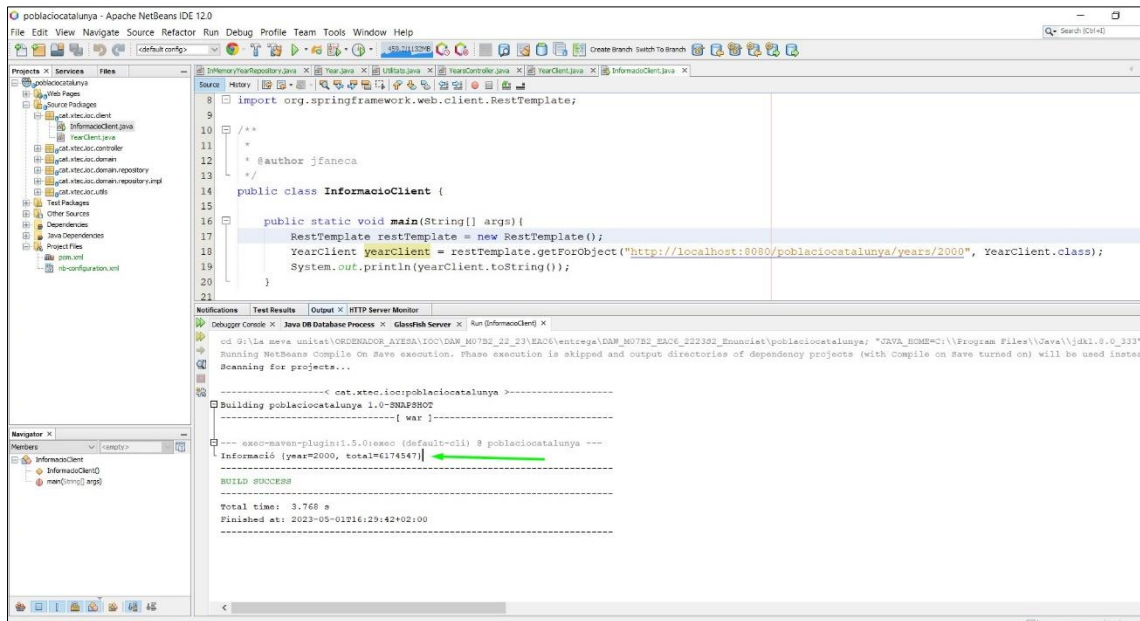
- PUT



- DELETE

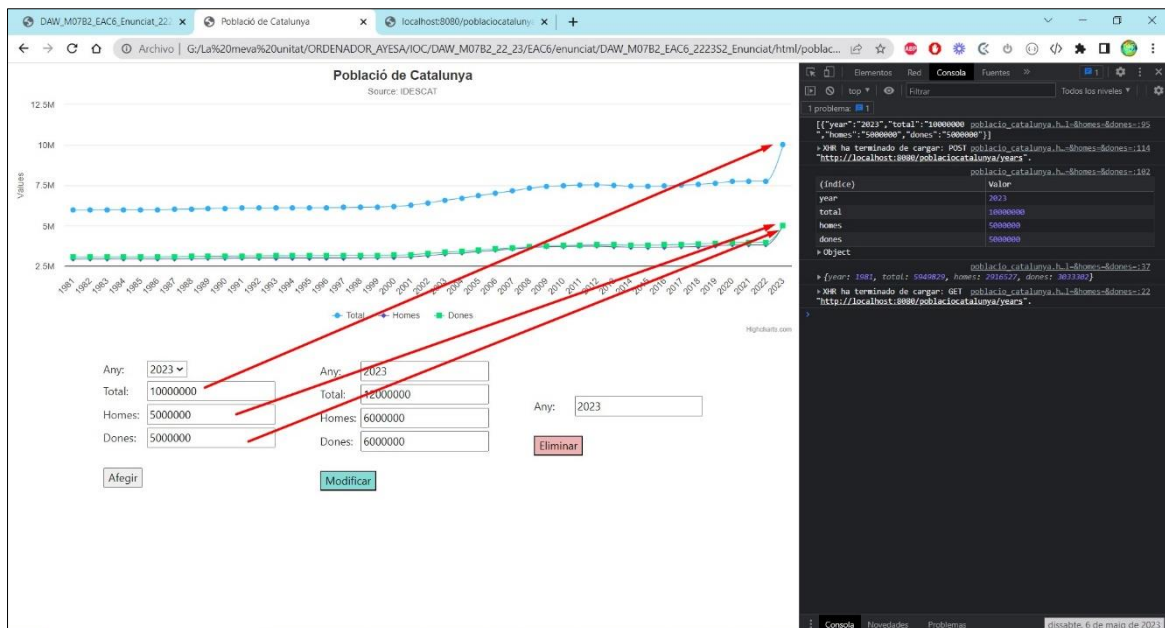


Pregunta 4 (1 punt). Creació d'un client Java stand-alone mínim

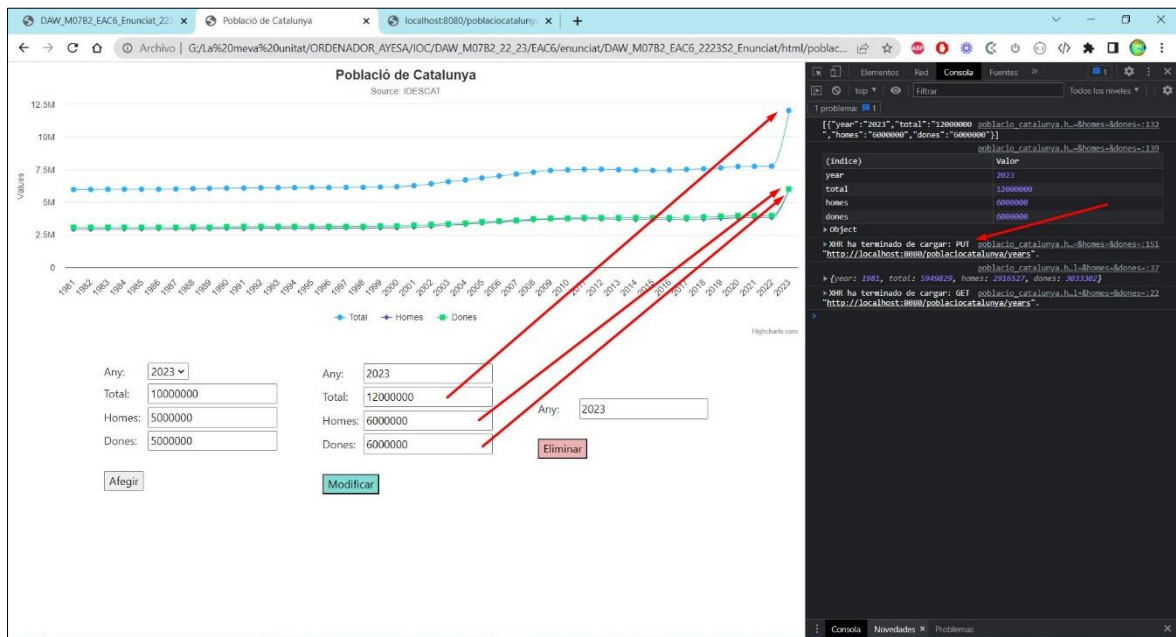


Pregunta 5 (2,5 punts). Client HTML/Javascript. Highcharts.com

- Afegir any 2023



- Modificar any 2023



- Eliminar any 2023

