

# Recuperació del primer trimestre DWECC 2022

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1 Tenim un array de noms i un de cognoms:

```
let name = ["Commander", "Bullet", "Imperator", "Doof", "Duff",  
"Immortal", "Big", "Grease", "Junk", "Rusty", "Gas", "War",  
    "Feral", "Blood", "Lead", "Max", "Sprog", "Allan", "Smoke"];  
let surname = ["Rider", "Cutter", "Guts", "Eater", "Warrior",  
"Colossus", "Blaster", "Gunner", "Smith",  
    "Doe", "Farmer", "Rock", "Claw", "Boy", "Girl", "Driver", "Ace",  
"Quick", "Blitzer", "Fury", "Roadster",  
    "Interceptor"];
```

- a) (1 punt) Sense utilitzar for, foreach o while, Fes una funció que arreplegue dos arrays de strings i generi un array de strings amb totes les combinacions possibles. Els arrays originals no s'han de modificar.

```
["Commander Rider", "Commander Cutter", ... , "Smoke Interceptor"]
```

```
document.addEventListener("DOMContentLoaded", () => {
```

```
    let name = ["Commander", "Bullet", "Imperator", "Doof", "Duff", "Immortal", "Big", "Grease",  
"Junk", "Rusty", "Gas", "War",  
        "Feral", "Blood", "Lead", "Max", "Sprog", "Allan", "Smoke"];  
    let surname = ["Rider", "Cutter", "Guts", "Eater", "Warrior", "Colossus", "Blaster", "Gunner",  
"Smith",  
        "Doe", "Farmer", "Rock", "Claw", "Boy", "Girl", "Driver", "Ace", "Quick", "Blitzer",  
"Fury", "Roadster",  
        "Interceptor"];  
  
    function total(name, surname) {  
        return name.flatMap(na => surname.map(sur => na + " " + sur));  
    }  
  
    console.log(total(name, surname));  
});
```

- b) (1 punt) Fes un test en mocha+chai per provar que funciona la funció anterior.

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src="https://unpkg.com/mocha/mocha.js"></script>
<script src="https://unpkg.com/chai/chai.js"></script>
<link rel="stylesheet" href="https://unpkg.com/mocha/mocha.css" />
```

```
<title>Document</title>
<script src="script.js"></script>
</head>
<body>
  <div id="mocha"></div>
```

```
</body>
</html>
```

```
document.addEventListener("DOMContentLoaded", () => {
```

```
  let name = ["Commander", "Bullet", "Imperator", "Doof", "Duff", "Immortal", "Big", "Grease",
    "Junk", "Rusty", "Gas", "War",
    "Feral", "Blood", "Lead", "Max", "Sprog", "Allan", "Smoke"];
  let surname = ["Rider", "Cutter", "Guts", "Eater", "Warrior", "Colossus", "Blaster", "Gunner",
    "Smith",
    "Doe", "Farmer", "Rock", "Claw", "Boy", "Girl", "Driver", "Ace", "Quick", "Blitzer", "Fury",
    "Roadster",
    "Interceptor"];

```

```
function total(name, surname) {
  return name.flatMap(na => surname.map(sur => na + " " + sur));
}
```

```
console.log(total(name, surname));
```

```
mocha.setup('bdd');
mocha.checkLeaks();
```

```
const expect = chai.expect;
```

```
describe('uno', () => {
  it('uno a', () => {
    expect(total(["a", "b"], ["a", "b"])).to.eql(
      ["a a", "a b", "b a", "b b"]
    );
  });
});
```

```
mocha.run();
});
```

2 Hi ha una API per veure notícies relacionades amb l'espai: <https://spaceflightnewsapi.net/>  
Es poden fer moltes consultes, però anem a centrar-nos en dos consultes concretes:

[https://api.spaceflightnewsapi.net/v3/articles?\\_limit=10&\\_start=100](https://api.spaceflightnewsapi.net/v3/articles?_limit=10&_start=100)

<https://api.spaceflightnewsapi.net/v3/articles/13097>

(En la segona el 13097 és el id d'un article en concret.)

- a) (1 punt) Fes una web que mostre 10 notícies i tinga un botó per mostrar 10 més canviant el paràmetre **\_start** de l'URL.  
De cada notícia mostrarà el títol, el nom de la web, l'URL de la notícia, l'imatge i la data de publicació.
- b) (3 punts) Cada notícia es veurà en un DIV i tindrà un botó per eliminar-la. Quan siga eliminada, el contingut del div canviarà per el d'una altra notícia aleatòria. Tot açò funcionarà en promeses. Mentre carrega una altra notícia, mostrarà en el div un gif animat per mostrar que està carregant.
- c) (1 punt) No es poden repetir notícies. Per això es guardarà en localStorage una llista de ids de notícies visitades. Cada vegada que es descarrega una notícia aleatòria mira si ja s'ha mostrat i si s'ha mostrar la descarta i demana una altra.
- d) (1 punt) Aquesta aplicació tindrà un mòdul per a tot el relacionat en la connexió a Internet. Fes el mòdul i exporta les funcions necessàries.
- e) (2 punts) Les notícies seran de la classe Noticia. Aquesta classe tindrà una funció de descarregar la informació d'Internet i una altra per renderitzar a partir d'un Template Literal. La funció de descarregar servirà per refrescar la notícia i sols rep el id de la que ha de descarregar i canviar el contingut.

```
(function () {  
  let noticies = [];  
  
  class Noticia {  
    constructor(datos) {  
      Object.assign(this, datos);  
      // console.log(this);  
      // console.log(datos);  
    }  
    dibujar() {  
      let divNoti = document.createElement("div");  
      divNoti.style.border = "1px solid black";  
      divNoti.innerHTML = `  
        <a href="${this.url}"> <h1>${this.title}</h1> </a>  
  
        <h4> ${this.newsSite} ${this.publishedAt}</h4>  
          
  
        <p> ${this.summary}</p>  
      `;  
      const buttonEliminar = document.createElement("button");  
      buttonEliminar.innerHTML = "x";  
      divNoti.append(buttonEliminar);  
    }  
  }  
})
```

```
document.querySelector("#content").append(divNoti);
}
}
```

```
function crearNoticies(response) {
  let notis = response;
  console.log(notis);
  for (let noti of notis) {
    noticies.push(new Noticia(noti));
    console.log(noti);
  }
}
```

```
for (let noti of noticies) {
  noti.dibujar();
}
}
```

```
let start = 100;
```

```
function handler(start) {}
```

```
("use strict");
document.addEventListener("DOMContentLoaded", function () {
  let start = 100;
  url =
    "https://api.spaceflightnewsapi.net/v3/articles?_limit=10&_start=" +
    start;
  const mas = document.querySelector("#mas");
```

```
mas.addEventListener("click", () => {
  start = start + 100;
  console.log(start);
```

```
  url =
    "https://api.spaceflightnewsapi.net/v3/articles?_limit=10&_start=" +
    start;
  console.log(url);
  fetch(url, {})
    .then((r) => r.json())
    .then(crearNoticies);
});
```

```
  fetch(url, {})
    .then((r) => r.json())
    .then(crearNoticies);
});
})();
```

Refresh

## NASA Sets Coverage, Opens Virtual Experience for Next Cargo Launch

NASA 2022-02-10T19:39:00.000Z



NASA and commercial cargo provider Northrop Grumman are targeting 12:40 p.m. EST Saturday, Feb. 19, for the launch of the company's 17th resupply mission to the International Space Station from NASA's Wallops Flight Facility on Wallops Island, Virginia.

X

## Research satellites destroyed in Astra rocket failure

Spaceflight Now 2022-02-10T18:39:33.000Z

