

# DVA231

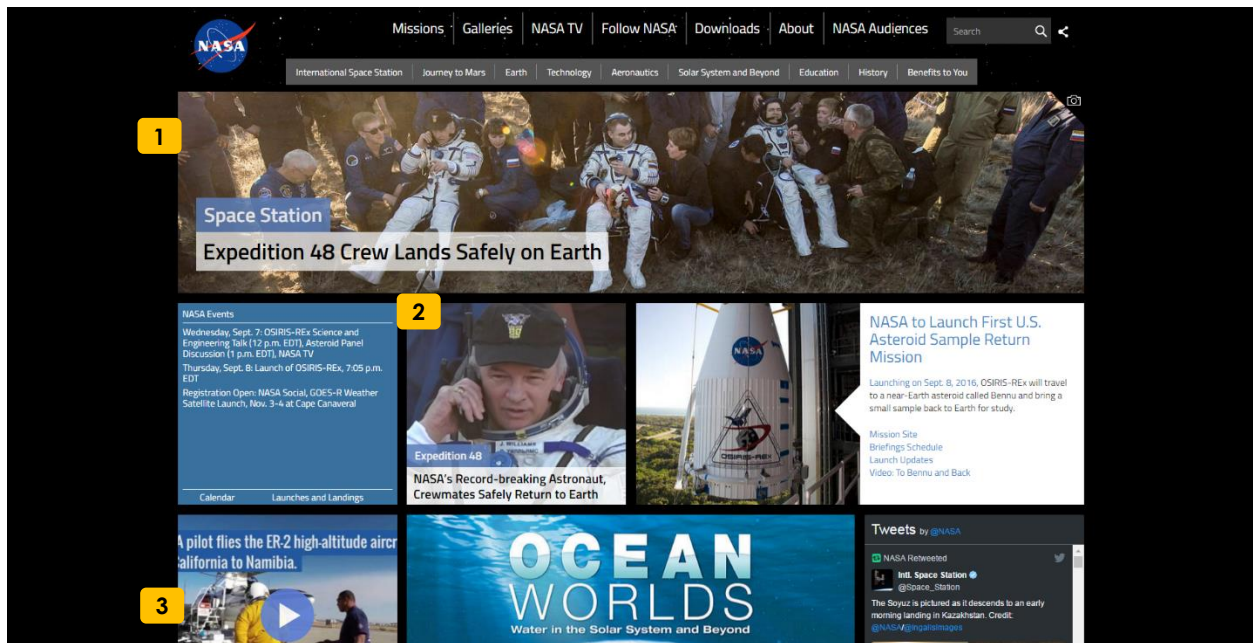
## Assignment 1 – HTML, CSS and JavaScript

### Introduction

The goal with this assignment is to practice basic HTML, CSS and JavaScript. In order to get a better understanding of HTML and CSS codes, in this assignment we will not be using any tools dedicated to webpage design. We will use simple text editors (i.e. notepad, notepad++, sublime, Visual Studio Code).

### Part 1

Below you will see a screenshot of NASA's main page. The goal is to create something similar, with the same positioning of text and image objects using just HTML and CSS. You are not allowed to use any external libraries for this part.



Things to consider:

- This will be a fake, non-functional NASA website. Fill the text with random stuff and use any image you want. It is also understandable if your page does not exactly look like this, but do your best.
- Notice the menus and search bar on the top. Make sure you have them in your page.
- We will check for the styling. It does not have to be exact, but if you are still using "Times New Roman" do not present your work to me or the assistant.

After finishing part 1 and presenting it to the assistant, you can move to part 2.

## Part 2

For this part you are allowed to use any CSS or JavaScript library that you want. But the development environment is still a simple text editor.

- For the top-most news headline (marked as 1) we want to have 3 different pieces of news and have them changed automatically every 30 seconds.
  - "Scrolling animation" is a plus but not a must. You get no extra points or credits by doing the plus part, except that you learn more.
- For other news box (marked as 2) we want to have a system at work that when the user hovers the mouse over the text (with white background), the text covers the box and shows more info.
- The video on the bottom left box (marked as 3) should be playable.