

Objectives

1. To understand how to build a webpage with multiple components.
2. To build a responsive webpage.

Exercise 1

Create a folder named “ex1”, create your HTML file and CSS file inside it.

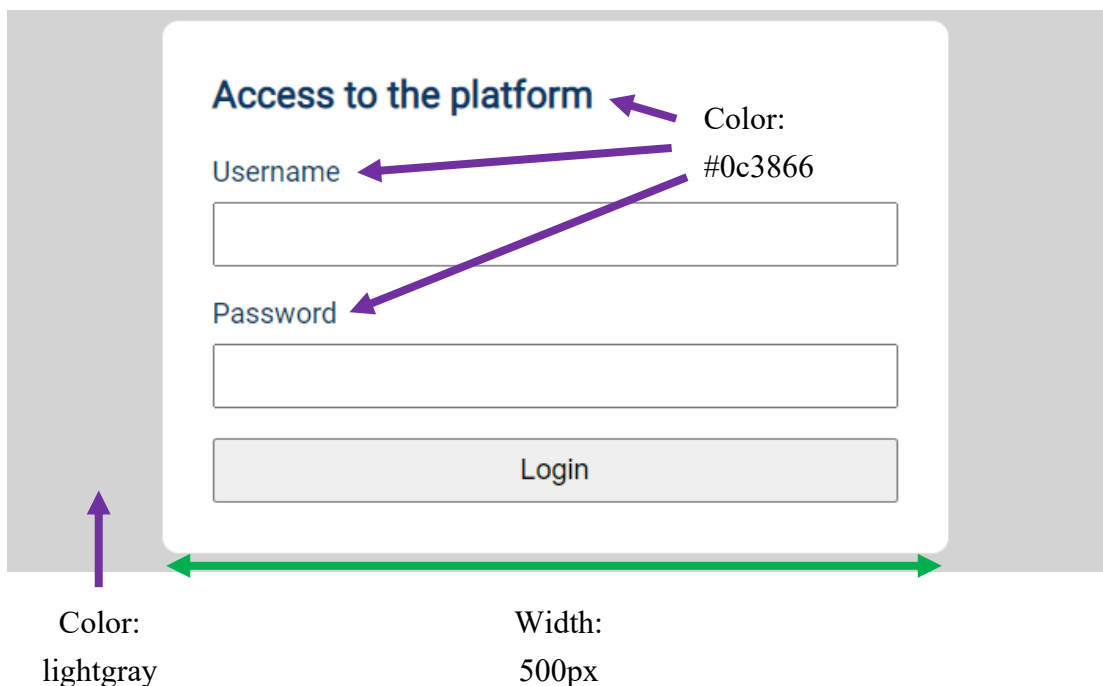
Task 1

Jeffrey really loves Google’s **Roboto** font, please import Roboto into your webpage and then set the default font family as Roboto and use sans-serif as fallback.

Go to Google Fonts to find the font: <https://fonts.google.com/>

Task 2

Implement a login form with the following style:



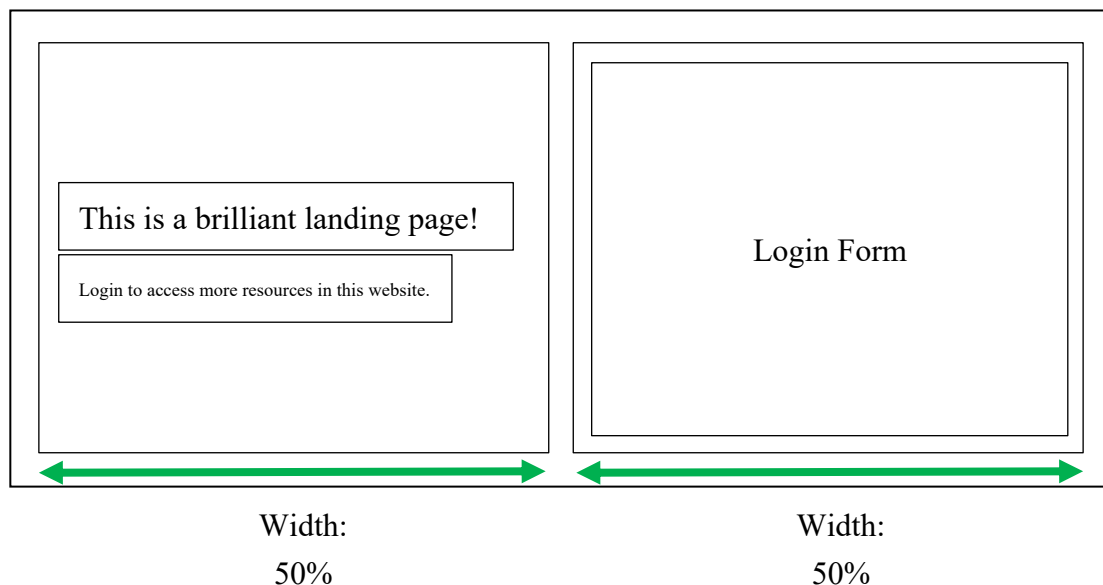
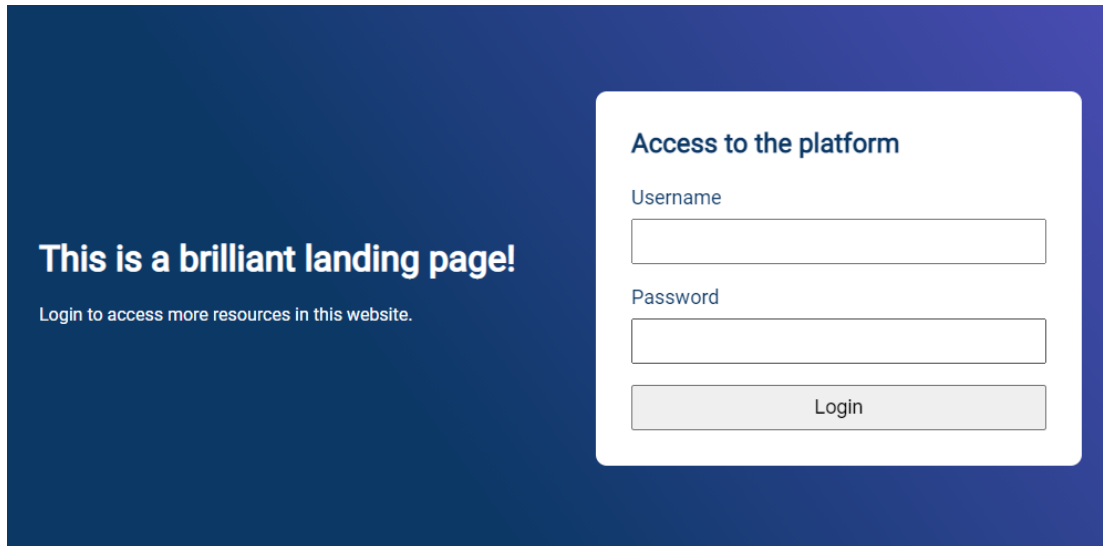
The diagram shows a login form with the following elements and styling annotations:

- Access to the platform**: A heading with a purple arrow pointing to it labeled "Color: #0c3866".
- Username**: A label with a purple arrow pointing to it labeled "Color: #0c3866". Below it is a text input field.
- Password**: A label with a purple arrow pointing to it labeled "Color: #0c3866". Below it is a text input field.
- Login**: A button with a gray background.
- Form Container**: A green double-headed arrow at the bottom indicates a width of 500px.
- Background**: A purple arrow points to the gray background area, labeled "Color: lightgray".

Exercise 2

Create a folder named “ex2”, create your HTML file and CSS file inside it.
We will reuse the login form in Exercise 1, you may copy everything from ex1.

Implement the following header with the login form:

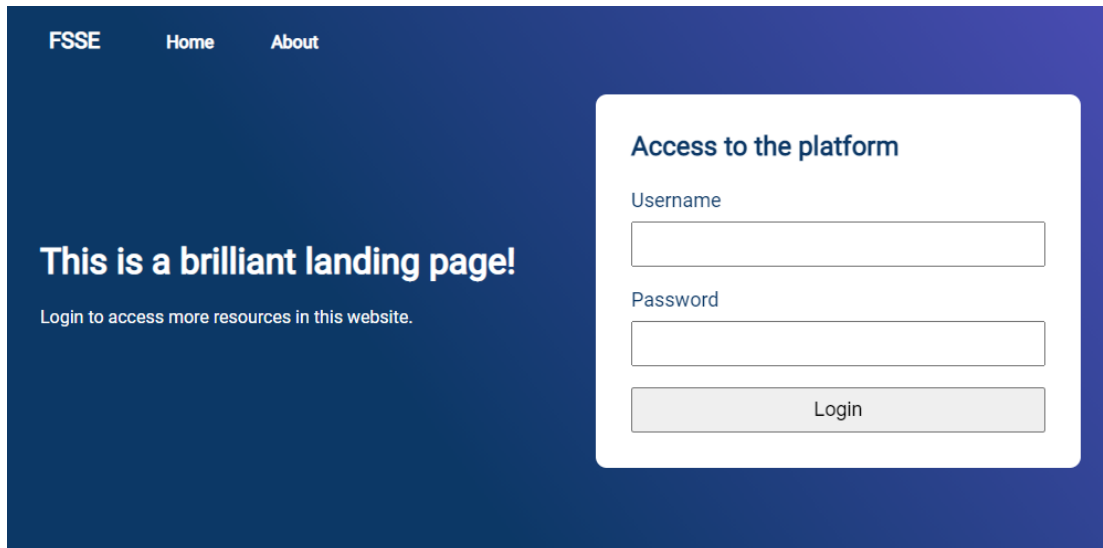


Background color: linear-gradient(54deg,#0c3866 34%, #4a4cb3)

Exercise 3

Create a folder named “ex3”, create your HTML file and CSS file inside it.
We will reuse the login form in Exercise 2, you may copy everything from ex2.

Implement a navigation bar as following:

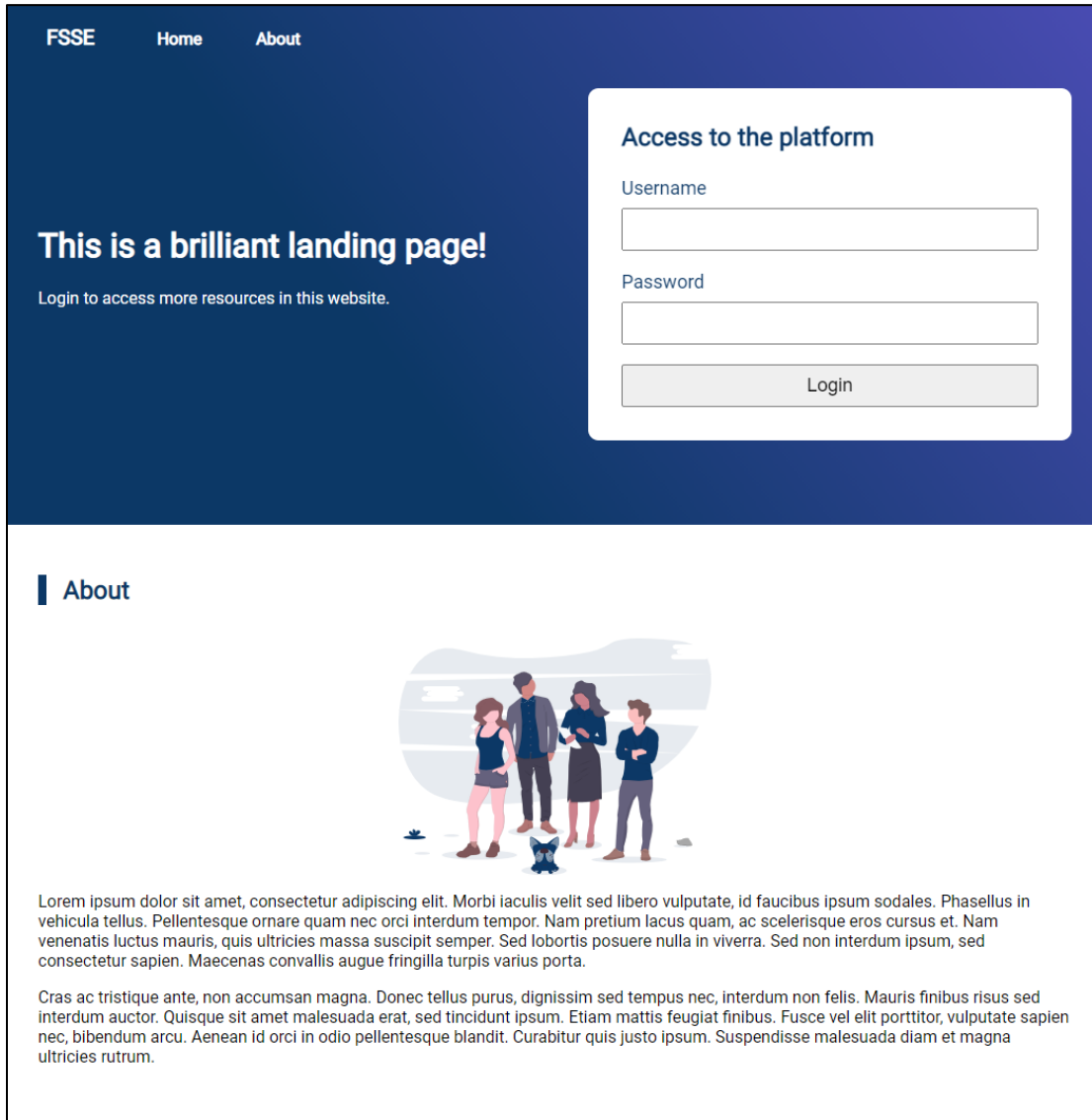


The links should have an underline when mouse hover.

Exercise 4

Create a folder named “ex4”, create your HTML file and CSS file inside it.
We will reuse the login form in Exercise 3, you may copy everything from ex3.

Implement the “About” section as follows:



FSSE Home About

This is a brilliant landing page!

Login to access more resources in this website.


Access to the platform

Username

Password

Login

About



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi iaculis velit sed libero vulputate, id faucibus ipsum sodales. Phasellus in vehicula tellus. Pellentesque ornare quam nec orci interdum tempor. Nam pretium lacus quam, ac scelerisque eros cursus et. Nam venenatis luctus mauris, quis ultricies massa suscipit semper. Sed lobortis posuere nulla in viverra. Sed non interdum ipsum, sed consectetur sapien. Maecenas convallis augue fringilla turpis varius porta.

Cras ac tristique ante, non accumsan magna. Donec tellus purus, dignissim sed tempus nec, interdum non felis. Mauris finibus risus sed interdum auctor. Quisque sit amet malesuada erat, sed tincidunt ipsum. Etiam mattis feugiat finibus. Fusce vel elit porttitor, vulputate sapien nec, bibendum arcu. Aenean id orci in odio pellentesque blandit. Curabitur quis justo ipsum. Suspendisse malesuada diam et magna ultricies rutrum.

You can get the dummy text by generating the first two paragraphs from this website:

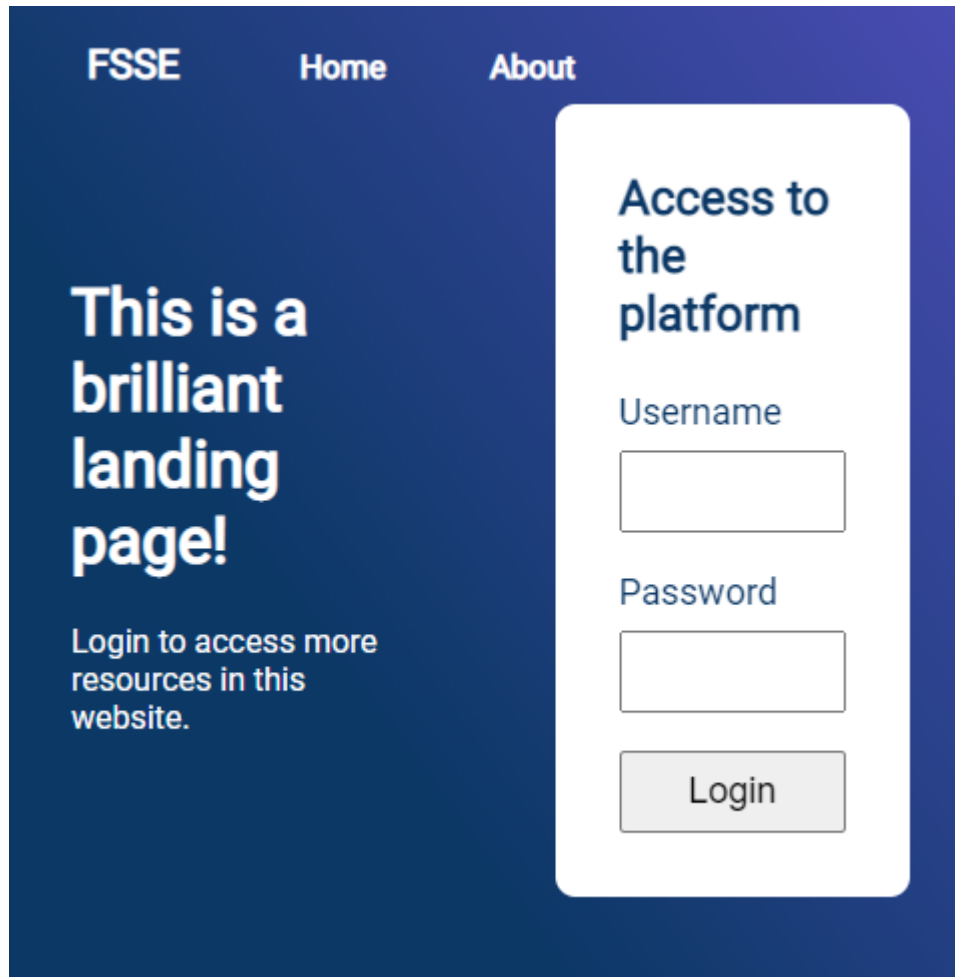
<https://www.lipsum.com/>

When clicked the “About” link in the navigation bar, the website should be jumped to the About section immediately.


Exercise 5

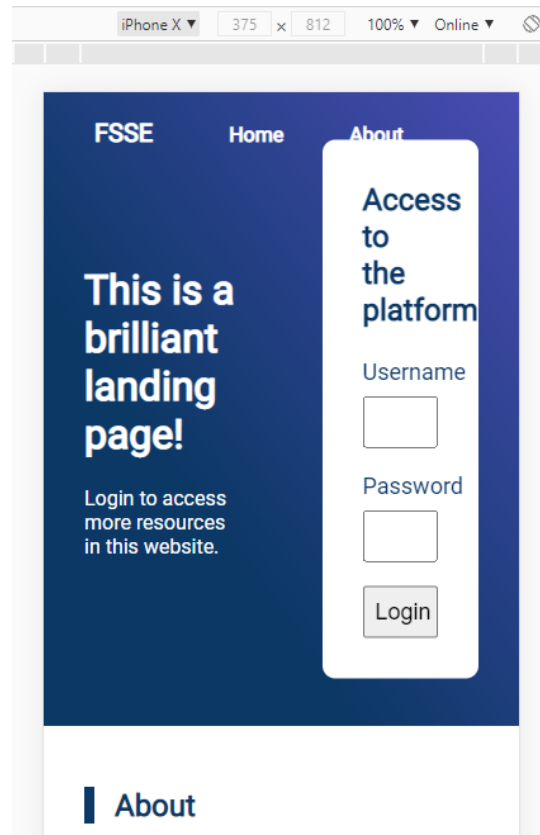
Create a folder named “ex5”, create your HTML file and CSS file inside it.
We will reuse the login form in Exercise 4, you may copy everything from ex4.

If we resize our browser to a very small width, the header layout will become like this:



That means this webpage is not user friendly to mobile phone users as the viewport of phones are not as wide as a computer.

To simulate the viewport of a phone, you can click the  icon in the DevTools (F12), for example iPhone X users view your website like this:



That is why we need to have a **responsive webpage** to display suitable layouts in different viewport sizes.

In this exercise, you will need to modify the header to be responsive, the layout is attached in the next page.

You will need **media queries** of CSS3.

https://www.w3schools.com/css/css3_mediaqueries.asp

FSSE Home About

This is a brilliant landing page!

Login to access more resources in this website.

Access to the platform

Username

Password

Login

About



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi iaculis velit sed libero vulputate, id faucibus ipsum sodales. Phasellus in vehicula tellus. Pellentesque ornare quam nec orci interdum tempor. Nam pretium lacus quam, ac scelerisque eros cursus et. Nam venenatis luctus mauris, quis ultricies massa suscipit semper. Sed lobortis posuere nulla in viverra. Sed non interdum ipsum, sed consectetur sapien. Maecenas convallis augue fringilla turpis varius porta.

Cras ac tristique ante, non accumsan magna. Donec tellus purus, dignissim sed tempus nec, interdum non felis. Mauris finibus risus sed interdum auctor. Quisque sit amet malesuada erat, sed tincidunt ipsum. Etiam mattis feugiat finibus. Fusce vel elit porttitor, vulputate sapien nec, bibendum arcu. Aenean id orci in odio pellentesque blandit. Curabitur quis justo ipsum. Suspendisse malesuada diam et magna ultricies rutrum.