



UNIVERSITÉ DES
MASCAREIGNES

**FACULTY OF INFORMATION AND
COMMUNICATION TECHNOLOGY**

DEPARTMENT OF SOFTWARE ENGINEERING

BSc (Hons) Software Engineering

Academic Year 2022/2023

Year 3 Semester 1

**Module: Advanced Web Application Development
Assignment I**

Introduction

The Université des Mascareignes has been organising and hosting international conferences since 2018.

However, the university has no website dedicated to the conferences it organises.

For this assignment, you are required to design the user interface of the ICACIE conference to be organised by the university in July/August 2023. All information to be included in the website can be obtained from

<https://icacie.com/>

The above website contains links to previous conferences since 2016.

Requirements

1. Use HTML and CSS only. (Some JavaScript may be allowed).

You must use Flexbox.

You may use CSS preprocessors and CSS Grids.
2. Your **design** must be original. However, you are allowed to take and adopt ideas from other websites. You can copy paste **content** from the ICACIE conference website.
3. You may use free images, icons and other site elements from the Internet. You can download the different logos and other assets from the university and conference websites.
4. Please ensure that your markup and CSS are valid by testing them at <https://validator.w3.org/> and <https://jigsaw.w3.org/css-validator/> respectively.

Follow the best practices for high-quality HTML and CSS: good formatting, good code structure, consistent naming, semantic HTML, correct usage of classes, etc.

5. Your website must be responsive – your site should open correctly and be functional on any device.
6. Your website should be easy-to-use, with an intuitive UI and good usability. You may follow some usability guidelines / checklist (perform a Google search to know more).

7. Ensure that your website works correctly in the latest HTML5-compatible browsers: Chrome, Firefox, Edge, Opera, Safari (both desktop and mobile versions).

Note that you do not need to support old browsers such as IE9.

8. You are free to add any interesting and relevant features of your own to the page designs.
9. The use of client-side frameworks is forbidden.

Webpages

The website must have a home page, with header, footer, navigation and appropriate logos, search, important dates, links to social media sites. There must be links to the following pages:

- signup/ sign in
- registration
- contact
- sponsors
- gallery
- information about host institution and country, accommodation, sightseeing, travel
- call for papers
- keynotes/speakers
- committee members

You are not required to design complete UI for all the pages, but you must come up with designs for the following pages at least: home page, keynotes/speakers page, accommodation, sightseeing and travel. You can consult the following website for more information:

<https://srnet-conf.udm.ac.mu/>

Fonts and colours

According to the Corporate Identity manual of the university "*the typeface **Optima** should be used across all printed and written communications pertaining to Université des Mascareignes to ensure consistency*". Furthermore, the manual states that "*the typeface **Century Gothic** should be used only when Optima is not available*". Here are the university's corporate colours:



And the RGB values are:

C0 – rgb(167, 169, 172),
C1 – rgb(0, 125, 190)
C2 – rgb(0, 88, 138)
C3 – rgb(0, 171, 189)

C4 – rgb(84, 198, 211)
C5 – rgb(0, 183, 199)
C6 – rgb(35, 31, 32)
C7 – rgb(99, 100, 102).

Commit Logs

Please commit your work regularly during the project development to demonstrate your work progress.

You should have at least 15 commits (changes) in the project repository.

Deliverables

1. Source code:

- Submit the URL of your project source code in GitHub.
- Upload the complete source code of your project (HTML, CSS, images and other files). Submit as a single zip file. Name your file **lastname_firstname_assignment1.zip**.

2. Published live website

Put a link to your live project in the project description on GitHub.

Project Presentation

Each student will have 10 minutes for the following:

- Demonstration of the website **content and functionality**.
- Brief explanation of the **source code**.

Marking Scheme

Assessment criteria	Max Marks
All HTML valid (deduct 1 mark for every error)	2
All CSS valid (deduct 1 mark for every error)	2
Quality of HTML and CSS used (comments, names, notations, etc.)	3
Creativity and originality	3
Use of university's corporate fonts and colours	2
Responsiveness	3
Layout	4
Aesthetics (user friendliness, attractiveness, proper mix of colours, text, images)	6
Use of CSS transitions and animations	3
Use of Flexbox	5
Use of any new /advanced CSS features	3
GitHub – at least 15 commits	3
Usability	2
Overall functionality	4
Bonus	5
TOTAL	50

Submission Deadline

The deadline for submission of all deliverables is **Sunday 16 January 2023**.

The assignment will be accepted penalty if it is received by **11:59 p.m.** on the due date, or 10% of the graded score will deducted per day for the late submission. Work submitted after one week of the due date will not be accepted.