SCIT

Faculty of Engineering & Information Sciences

ISIT207 Frontend Web Programming

SIM Session 1, 2026

Assignment 2 Outline

General Information

Subject Coordinator/Lecturer: Choy Kar Wai, Abel

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Assignment 2 has two parts:

Part A:
Practical application of Frontend Web Design using HTML, CSS, and JavaScript programming for a Car Rental company.

Part B:
Write a Review Report and do a Screen Recording demonstration video for the above designed website.

Submission Due Date on Moodle:

   8 Feb 2026, 2350 hr. Percentage of final mark: 15%

Introduction

Frontend Web design is an important skill in the development of a Web-based application. In this assignment, you are to analyse the application requirements of a car rental company, known as AZoom Car Rental, and design the web interfaces and basic functionality of the application.

AZoom Car Rental is a local car rental company that specializes in renting electric car for the public. There is a range of electric cars available and for the environmental conscious customers, AZoom Car Rental offers an attractive option for transportation.

The car rental period can be daily, weekly or monthly depending on the needs of the customers. Reservation is required through online booking system using a credit card, and payment must be made by credit card only. Currently, AZoom Car Rental has two branches in town and customers can pick up the reserved car and return the car at a designated car park.

The routine business events of AZoom Car Rental is as follows:

- Customer reserves car – via the AZoom Car Rental website using a credit card
- Customer rents car at the AZoom Car Rental office
- Customer returns car at a designed car park
- Employee of AZoom Car Rental inspects the returned car – to ensure no damages
- Customer pays final bill – cost of rental and including any damages found

The above sequence reflects the likely order of the business events.

In **Part A)** of this assignment, you are required to use HTML, CSS and simple JavaScript to design and implement a website for AZoom Car Rental.

Note: for this assignment, you are **not required** to do **full functional** programming of JavaScript. However, simple JavaScript programming is expected (i.e. such as Login or dialogue control. There is no requirement of a back-end database interaction.)

You can make appropriate assumptions for the requirement details of the car rental operations.   Specific queries can be made during class sessions.

For **Part B)** of this assignment, you are required to:

- Write a report about the web design considerations you made and include the screen images in the report; (note: report should be not more than 5 pages)

- Do a screen recording with voice illustration of your Web design ideas and demonstrate the interaction and usage of the functions and features (note: the recorded video should be uploaded to Google Drive and **provide a shared link URL in your report for viewing.** You can use any screen recoding tool you are familiar with.

Assignment 2 must be submitted on Moodle before the due date. Your submission should include (but not limited) to the following:

- **URL link to your deployed website** (Part A). (Note: the URL links to the hosting website, and screen recording should be provided in your report (Part B))
- Web design and review report (i.e. Part B), in PDF format. (file name: ISIT207_firstName_UOWNo.pdf)
- HTML, CSS, JavaScript files (Part A) (i.e. provide URL link to the uploaded source files on Google Drive folder)
- Other relevant media you may have

Objectives

On successful completion of this assignment, students should be able to:

i) Demonstrate a practical understanding and application of HTML, CSS, JavaScript to design, structure, edit, and deployment of a Website relevant to the application requirements;

ii) Demonstrate a practical understanding of Web design principles to plan, design, and apply UI design considerations for the business application.

Assignment Requirements and Method of Assessment

Part A & B: Practical application of Web design

- Demonstration of understanding of the car rental application;
- Demonstration of the correct usage of HTML, CSS and JavaScript
- Correctness, clarity, usability, and design quality

Submission due date:

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Notes on Assessment

All assessment items are expected to be completed independently. Plagiarism may result in a FAIL grade being recorded for that assessment item. Students are strongly advised to carefully and thoroughly read the **Plagiarism** section below.

Students who copy lab work may receive zero for the lab assessment. This also covers work which may be the product of community effort by several students. Use of material that is not your own work must be acknowledged. Note: **Plagiarism will not be tolerated**.

Procedures for the submission of assessment items:

Students must refer to the Faculty Handbook and online references that contains a range of policies on educational issues and student matters.

Submission of assessment items via email will not be accepted.

Assessment Items are to be submitted electronically and in hardcopy format (if required by Tutor)

Information regarding submission requirements will be in the Assessment Item Requirements.

Procedures for the return of assessment items:

All Assessment Items will be returned within 2 weeks of submission. In class assignments will be marked in class in the second week of the assignment by the tutors.

Penalties for late submission of assessment items:

Penalties apply to all late work, except if student academic consideration has been granted. Late submissions will attract a penalty of 25% of the assessment mark per day including weekends. Work more than four (4) days late will be awarded a mark of zero.

Plagiarism and cheating:

Plagiarism is the unacknowledged use of another person's work.
If you use ideas or material from a text, a website, a wiki, a blog or an article you must acknowledge. If you do not, you will probably receive zero for the assignment in which you use it. Repeated plagiarism can lead to expulsion from the University. If you copy another student's work, even if you have his or her permission, it is plagiarism and same rules apply.
Taking unauthorised notes into an exam is cheating and can result in a zero mark and expulsion from the University.

Additional Information

This outline should be considered in conjunction with policy documents available through the University of Wollongong website. Those policies are subject to revision.

Please see the additional documentation provided with this subject outline.