

# SENG365 2018 Web Computing Architectures:

## Assignment 2 Implement Web Client

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Version 2.1, 11 February 2019

### 1 Summary of submission requirements

Course Coordinator/s:	Austen Rainer and Andreas Willig
Markers:	Lecturer/s and scripted marking with students
Set date:	First week of semester.
Submission date:	<b>1pm, Wednesday 22 May 2019</b>
Assessment lab (compulsory):	<b>w/c Friday 24 May 2019</b>
Late submission:	<b>NO late submission is allowed</b> for this assignment (without Special Consideration or similar)
Items to submit:	Submit zipped project to Learn.
% of overall grade:	25% of the course grade.

### 2 Objective of the assignment

The objective of the second assignment is develop a web client that communicates via the already-specified API with the web server developed from Assignment 1. The web client should satisfy the list of user stories provided via Learn. Taken together, the web client and the web service, with the API, provide an online review site.

### 3 Required technologies

For this assignment, you *must* use Vue.JS to the version levels that are used in the labs. We will provide a standardised web service (on the SENG365 MySQL Server) so you should *not* develop the web client based on your own web service from Assignment 1. (We will explain how to access the web service – e.g. the IP address or URI – in due course.)

You may choose to use additional JavaScript libraries etc, depending on your implementation, provided these libraries are sourced from a recognised repository (content delivery network), and provided these packages do not break dependencies on Vue.JS, or on the Node.js and Express versions in the labs.

You do not have to develop your applications only in the labs, you may use your own computing resources. You should maintain your source code under Git version control.

### 4 Indicative criteria and process used for the assessment

In this assignment your commitment to the user experience should be front-and-centre. This doesn't mean flashy UI features or "look-at-me" interfaces, though.

The requirements are provided in the form of User Stories in the "Assignment 2 backlog" below. Implement as many as you can (each story counts in the assessment).

As stated in the introduction, your app must run in a prescribed way from a lab workstation (see below) to be marked, and we will assess using the installed version of **Chrome**.

We shall be assessing:

1. Correctness and ease of use for each implemented story when run against an instance of the reference Assignment 2 API implementation (a buggy or broken story won't improve your grade). **This is the main component of assessment.**
2. Robustness and stability. An app that crashes or fails will be hard to assess. We'll also expect that your application will perform simple field validations and access checks.
3. Visual appeal and general creativity ('going the extra mile').

## 5 Compulsory lab for Assignment 2

We intend to use a version of crowdsourced testing to contribute to the assessment of the Assignment 2. Each assignment will be 'exercised' by a randomised set of students during the final week of labs.

## 6 Submission

Submit your assignment, as one zip file, to the Learn Assignment 2 'dropbox'. You must name your zip file according to the following format `<usercode>.zip` (e.g., `abc123.zip`).

Your app must be able to be run using the following procedure:

1. Unzip the submission to the `/local1` directory on the lab workstation.
2. `cd` directory
3. `npm install`
4. `npm run dev`
5. Open browser to appropriate port

The `api-v1-implementation` API that your app is to use will be provide closer to the time.

If your submission cannot be run when we assess it, your grade for the assignment will be affected.

## 7 Anonymity

You should ensure that there is no identifying information in your submission (either in the code or when the app is running) that identifies you as the author. This will help us maintain anonymity during assessment.

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<sup>1</sup> This is important because it returns latency when installing node packages from an external repository.