

Hello and welcome!

This assessment is all about taking what you've learnt during our in-person training (resources can be found here on [GitHub](#) + [YouTube](#)) and building something new from it.

Please note this is a pass/fail module, so we're just looking to see a submission that meets the criteria below, but we will be sending out some cool stuff to students that unleash their passion and creativity!

## Submission Criteria

- 1) Create a new [React + TypeScript web app](#)
- 2) Connect this application to any 3<sup>rd</sup> party REST API readily available online.
  - a. This can be, for example, an API to display weather information, stock listings, or news.
- 3) Users should be able to enter in information appropriate to the REST API you decide to use and your app should be able to display the returned results using that REST API.
- 4) Utilise [Material-UI](#) in your app.
  - a. We will also accept the use of other UI component libraries.
- 5) Utilise [Docker](#) to bundle your app into a Docker image.
- 6) Utilise [Azure Web App for Containers](#) to deploy your Docker image.
- 7) Utilise source control via [GitHub](#).

## Submission Requirements

- 1) Link to your web app running in Azure.
- 2) Link to your GitHub repository.
  - a. If you don't want to open source your code, add [nzmsa@microsoft.com](mailto:nzmsa@microsoft.com) to your repo.
- 3) Meet the assessment criteria specified above.

## Competition

For those willing to go the extra mile, we'll be giving away a Microsoft swag pack filled with goodies to the submission with the best designed app. We're looking for clean, professional looking designs with good use of colour, spacing and font sizing.

## Academic Integrity

The MSA Programme strictly enforces academic integrity and students that do not uphold academic integrity will not be allowed to proceed within the programme. Any work you submit should be your work and differentiated from others if you have collaborated or troubleshooted with other parties. This includes any sample solutions and tutorials we provide. Please clarify with us at [nzmsa@microsoft.com](mailto:nzmsa@microsoft.com) if you have questions.

**Deadline: 11:59pm 16<sup>th</sup> September 2018**

Submit at <http://aka.ms/submitmsa>

Have a question?

Email [nzmsa@microsoft.com](mailto:nzmsa@microsoft.com) or ask on the [Facebook group](#)