

Background:

OneST is a web portal that provide multiple services to the public.

Functional Specs:

Develop two services for the web portal.

Service 1: Validation of Unique entity number (UEN) of company

User will input an UEN. Verify the string comply with the correct format.

Refer to (<https://www.uen.gov.sg/ueninternet/faces/pages/admin/aboutUEN.jspx>) for the validation criteria.

Service 2: Weather Forecast of Singapore

Tell the weather forecast of Singapore for the next 2 hour. User is able to choose/enter a valid location in Singapore to know its weather forecast.

You may use the API found in

https://beta.data.gov.sg/collections/1456/datasets/d_91ffc58263cff535910c16a4166ccbc3/view
<https://api.data.gov.sg/v1/environment/2-hour-weather-forecast>

Technical Specs:

- You may use any programming language (except python)
- You may design your UX/UI. Command line input is acceptable. Having a GUI is bonus.
- Both services may not need to be of the same project. Please complete at least one of the services.
- You may include unit testing (bonus)
- Please test your code as if they are production ready
- You may host your codes in GitHub/provide the download links
- Provide a readme file with instruction on running the services locally.