

## Project Overview

Project Name	SEA Tourist Web-Application		
Background	This is a master's degree project under the topic of "Cloud Computing".		
Objective	Develop a Tourist Application from Node-RED with cloud services API.		
Group Size	5 people	Duration	8 weeks
Scope	<ul style="list-style-type: none"> <li>- Create a web application for Australian tourists interested in South East Asia exotics</li> <li>- Provide information to let tourists make plans to visit and get feedback from email contact</li> <li>- Adopt Cloud technology, operates various APIs in Node-RED development environment</li> </ul>		
Main Features	<ul style="list-style-type: none"> <li>- Tour packages</li> <li>- Chatbot</li> <li>- Currency Exchange Rate and Conversion</li> <li>- Weather forecast</li> <li>- Destination Review</li> <li>- Contact Form</li> </ul>		
Technologies	<ul style="list-style-type: none"> <li>- Node-RED</li> <li>- HTML, Bootstrap</li> <li>- Google Cloud</li> <li>- IBM Watson Assistant</li> <li>- Cloud API services: OpenWeather API, REST countries API, Google Map API and Customed API from GitHub</li> </ul>		
My Contribution	<p>I was in charge of developing Currency Exchange and Conversion feature to meet a project specification.</p> <p>My feature,</p> <ul style="list-style-type: none"> <li>- Allowed user to see currency data day by day</li> <li>- User can input their currency data and select another currency for the conversion</li> </ul> <p>I also supported the team to achieve this project by reviewing application overall, created presentation template and edited the demonstrate video presentation.</p>		

## Project Implementation

### Currency Exchange and Conversion page

Currency Converter	
Enter Amount AUD	500
Select Currency	THB
=	

Exchange Rates	
Date	05/05/24
AUD/SGD	0.89
AUD/THB	24.3
AUD/VND	16785.2
AUD/IDR	10658.1
AUD/MYR	3.13
AUD/PHP	37.76
AUD/LAK	14073.09

### Video of Final Product Demo

[Link](#)

**\*\* Final Product source code cannot be published due to integrity \*\***