

NETHSARA LIYANAGE

PROJECTS AND THEIR GITHUB REPOSITORIES LINKS

1. Online Software Installation and Update System

A web-based application developed on behalf of the university curriculum in the 1st year 2nd semester. This web application is coded using,

- HTML5
- CSS3
- PHP for Backend
- Vanilla JavaScript

GitHub Repository Link: <https://github.com/nethsaraLiyanaage/onlineSchoolInformationMangementSystem>

2. Online School Information Management System

A web-based application created as a module assignment in the university, 2nd year 1st semester. The technologies used in this web application are,

- HTML5
- CSS3 / SCSS
- Vanilla JavaScript
- JAVA – JSP SERVELETS for backend

Concepts and architectures followed,

- OOP Concept
- MVC Architecture

GitHub Repository Link: <https://github.com/nethsaraLiyanaage/onlineSchoolInformationMangementSystem>

3. “CALORIE COUNTER” – Android Application

This project is created for the module “Mobile Application Development” in the university curriculum. This is a group assignment and it is mainly focused on the deployment of real application with high customer satisfaction and portability. In here we used,

- JAVA as the main language
- Kotlin
- Google APIs
- Material UI
- Git/ GitHub for version control

Concepts and architectures followed,

- OOP Concept
- MVC Architecture

GitHub Repository Link: <https://github.com/nethsaraLiyanaage/Calories-MAD>

4. Hotel Management System - RockFort Unawatuna Hotel

A web application that is being created to a real client, a hotel called “RockFort Unawatuna”, which is a leading hotel in down south, Sri Lanka. This project was for 2nd year 2nd semester module in the University. In here we used,

- React JS for the front-end development
- Python – Django web framework for the back-end development
- Python – Django Rest API
- JavaScript
- HTML5
- CSS
- jQuery
- AJAX

UI frameworks,

- Ant design
- Material UI
- React Bootstrap

Version Control,

- Git/ GitHub

Concepts and architectures followed,

- OOP Concept
- MVT Architecture

GitHub Repository Links:

- Front-End: <https://github.com/nethsaraLiyanage/Hotel-Management-System-Frontend>
- Back-End : <https://github.com/nethsaraLiyanage/Hotel-Management-System--Backend>

5. Hotel Package Reservation Virtual Assistant – OSGI

A JAVA based application created as a module assignment in the university, 3rd year 1st semester. The technologies used in this web application are,

- JAVA as the main language
- OSGI framework

Version Control,

- Git/ GitHub

GitHub Repository Link: https://github.com/nethsaraLiyanage/OSGI_HotelPackageReservationBot

6. Conference Management Tool (Ongoing)

A web-based application developed on behalf of the university curriculum in the 3rd year 1st semester under a module called “Application Frameworks”. This web application is coded using,

- React JS for the front-end development
- Node JS framework for the back-end development
- Node JS Rest API
- JavaScript
- HTML5
- CSS
- AJAX

Version Control,

- Git/ GitHub

Concepts and architectures followed,

- OOP Concept
- MVT Architecture

GitHub Repository Links:

- Front-End: <https://github.com/nethsaraLiyanage/ICAF-frontend>
- Back-End : <https://github.com/nethsaraLiyanage/ICAF-backend>

7. Collaborative shopping platform – REST API | WSO2-ESP (Ongoing)

A web-based application developed on behalf of the university curriculum in the 3rd year 1st semester under a module called “Distributed Systems”. This web application is coded using,

- React JS for the front-end development
- Node JS framework for the back-end development
- JavaScript
- HTML5
- CSS
- React Bootstrap

To integrate services

- WSO2 EI (Enterprise Integration – ESB)

Version Control,

- Git/ GitHub

Concepts and architectures followed,

- OOP Concept
- MVT Architecture

GitHub Repository Link : <https://github.com/nethsaraLiyanage/WSO2-ESB>