Background

Page Description:	Introduction of the product, the scope and the team
Page Status:	COMPLETE

Product Description

Existing learning resource system

This learning resources system/platform was initially developed by the RS team from the subject SWEN90013 of University of Melbourne in 2020, with the purpose to help university students to self-learn the important emerging technologies such as programming frameworks, testing tools and deployment tools. The structure of this existing system can be separated into three compoments, which are front-end using React framework, back-end using Mongoose (MongoDB) and deployment supported by yarn and npm. The current functionalities of the system include login, subject and article management, comments etc,

Desired learning resource system

As students from the subject COMP90082 software project in the first semester 2021, we are responsible for maintaining and improving this system. For the maintenance aspect, we plan to thoroughly test the system to ensure it can be deployed and operated smoothly in various operation systems. For the improvement aspect, we decide to add more features to the existing functions and add new functions. We also think it is necessary to improve the user interface so as to make the system easy to navigate and interact with. In addition, we also agree to provide more learning resources by adding more subject-related content into the system.

Competing systems

Admittedly, there are plenty of online learning resources in the website and they are all easily accessible by the users who want to learn new stuff and gain new knowledge. Since our learning resource system is restricted to students and teachers in University of Melbourne only, the other competing systems would not cause any significant impact to our learning system. However, it is necessary to acknowledge such competition so as to make our system more attractive to users

Scope

In scope

The learning resource system aims to help students in University of Melbourne to obtain knowledge on the emerging technologies such as programming frameworks, testing tools and deployment tools. Users of this systems can access to tutorials and other resources that explain new tools and languages clearly. Apart from the contents that help users directly, it is also essential for the system to offer a user-friendly user interface and layout so that users can utilise the functions and aceess the contents more efficiently and conveniently.

Out scope

The learning resource system becomes not only just a platform for students and teachers in University of Melbourne to share and gain knowledge, but also become accessible to the general public users.

Team Description

Three teams in this project will work together to deliver an improved version of the system with additional features and user-friendly layout. Some new contents will also be added to the system by our three teams. At the same time, three teams will have different roles in this project. We as team 1 are responsible for improving the front-end of the system and adding the content from the subject COMP30022. For the rest two teams, they are responsible for the backend and deployment respectively. Besides, the content from the subjects SWEN90013 and COMP90082 will be added by these two teams.

Product License

The product is run using the GPL FLOSS license.