

Software Requirements specification

Project information	
Project	Cyber Library
Project Time-frame	15 weeks
Summary	Create a secure environment for teachers and students to share ideas, files, and assignments through mobile access and messaging.
Process impact: This plan will be used to evaluate and manage the project. Key assumptions that affect the plan should be documented here. The project plan should be updated throughout the life-time of the project.	

1- Introduction

Cyber Library is one of the best solutions for teachers and students with innovative new features. Book, image and interactive material like video, along with forum for discussion and requesting are all supported. Besides, friendly user interface with Vietnamese language will be a great point.

2- Use case

There are approximately 200 million students and teachers around the world, 10 million in Vietnam particularly; therefore, the requirement of sharing educational material on the internet is undeniable.

Can't afford an expensive book? The book required for a class is sold out? Simply, students just have to register for a account and then find thousands of books on Cyber Library, or request for it on our forum if that book is not available on the Library yet.

Specific materials can also be shared between members of class only via "making friend" function.

3- Functional Requirements

See *Feature set*

4- Non-functional Requirements

What are the usability requirements?

The user interface should be as familiar as possible to users who have used other applications and Windows desktop applications. E.g., we will follow the UI guidelines for naming menus, buttons, and dialog boxes whenever possible.

What are the reliability and up-time requirements?

Depend on Heroku web server, but expect for 99% up-time.

What are the safety requirements?

None. This project is an assignment of Software Engineering, we do not expect provide it widely.

What are the security requirements?

Access will be controlled with usernames and passwords. Only administrator users will have access to administrative functions.

5- Environmental Requirements

Hardware requirements

- Any computer with Internet connection

Software Requirements

- OS: Window XP or above/ equivalent
- Web browsers support JRE, Flash,...: IE, Chrome, Safari, Opera...

What are the data import and export requirements?

- The system will store all data in a SQLite database, where it can be accessed by other programs.