

Project Proposal

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- Background and Motivation

What problem does this project address?

There are approximately 200 million students and teachers around the world; therefore, to supply document and material related to education in paper is impossible. Or even suppose that there is budget to produce enough documents and distribute them, the amount of educational documents is still unbelievable huge, and environmental impact is inevitable. Digitalizing those documents and sharing via the internet is the best solution so far.

What are some current approaches to this problem?

There are some web to share files like Mediafire, Dropbox that can be used to share educational material and other stuff. Video lessons can be shared by using Youtube. Social network like Facebook can also be used as a channel to connect teachers and students. However, a unified solution is not yet to be introduced.

Why is this problem worth solving or worth solving better?

Sharing is undoubtedly a popular trend nowadays. A unified tool that can help teachers and students can exchange educational material while interact about the content of some books or request documents, is something that all teachers and students need.

How will this product be better than previous approaches?

- We add innovative new features. We support material like book, image and interactive material like video, along with forum in order to help user discuss about the content easier.
- Our system is designed with the intuitive user interface. Non-professional users can learn to use the product in no time, which is a key factor for the product's success.

- Our system support Vietnamese.

2- Goal

What is the goal of this project?

Provide a powerful and easy-to-use environment for all teachers and students of all majors to share stuff which is needed for their education

What are the defining features and benefits of this product?

- Reusable website engine with functionality for uploading, deleting, searching, categorizing, browsing, rating, and commenting on files.
- The website engine will be secure and only allow users with the proper permissions to edit, delete, or read files.
- The reusable website engine will support many kinds of resources: image, video, pdf file.

3- Scope

We want to focus on the web application itself, and the features of that application that help bringing good experience of sharing.

- Work with common servers and browsers that we are already familiar with.
- Enough security to greatly discourage abuse
- Support interactive units like video, slideshow, and so on, step by step as well as traditional feature like image, text.

In scope	Out of Scope
Building a web application for use with standard web servers and application servers	Building a new web server or application server
Working the most popular browsers (IE, chrome, firefox)	Working with uncommon or outdated browsers
One simple sample look-and-feel	Our own high-quality look-and-feel. A library of look-and-feel options.
Security in the form of user accounts, passwords, and permissions	Special security against hackers. Finding or patching security holes in existing software components.

4- Deliverables

- An online space to share ideas, files, and assignments through mobile access and messaging.
- Vietnamese UI
- Intuitive UI

5- Risks and Rewards

What are the main risks of this project?

- There are significant technical difficulties in building a web site and web application. This will be a risk because one person on our team has much experience with the relevant tools and technologies. Although the others will learn, we will certainly make some mistakes and suboptimal choices. We will address this risk by scoping the project such that we have enough time to train and to review the design and implementation.
- The schedule for this project is very short. We will manage this by planning a conservatively scoped functional core and series of functional enhancements that can be individually slipped to later releases if needed.

What are the main rewards if this project succeeds?

If we accomplish the elements of our plan, our website engine may replace existing complicated sharing way in schools. That will also help us pass this subject and give us a lot of motivation.

6- Project Plan

Attached