# Project Proposal

## Background and Motivation

| Project Information | |
|---|---|
| **Project** | Wiki |
| **Project Time-frame** | 16 weeks |
| **Summary** | Provide an education-oriented encyclopedia which allow user to create and organize multimedia articles about common subjects in education |

### Free encyclopedia is an integral part of Internet

No doubt about that. There are 360 million users on the Internet, with different purposes that can be listed as: social network, chatting, entertainment, sport, commercial, education... Along with the development of Internet, users feel that the existence search tools (like Google) are not enough for their demand. People need a tool to find more-specific contents, definite more-specific terminologies,... And encyclopedia is this tool.

### Current approach

One of the most famous examples about that is Wikipedia, the biggest free-encyclopedia with a huge data of almost everything. But sometimes, Wikipedia is not enough for students. A lot of specific contents are still sketchy, some of them are not guaranteed about their accuracy. Another disadvantage of Wikipedia is the language. Wikipedia support almost common languages, but in fact, many wiki-users only prefer to use English Wiki, which provide the most articles (about 4 million) and the most correctly.

### About this application

E-education is the future trend. Teachers need a tool to create, organize their own encyclopedia in their own language in order to serve their teaching, help it become easier.

## Goal

### Main goal

Produce a full-basic-feature encyclopedia, which is optimized to use in education.

### Features and benefits

- Reusable website engine with functionality for creating, editing, deleting, searching, categorizing, browsing, rating, commenting on articles.
- The website engine will be secure and only allow users with the proper permissions to create, edit, delete... article. Students are only allowed to view, rate and comment the lesson.

## Scope

| 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 browser (Internet Explorer family, Chrome, Firefox, …)** | Working with uncommon or outdated browser |
| **Security in the form of user accounts, passwords, and permissions** | Special security against hackers. Finding or patching security holes in existing software components. |

## Deliverables

- Online tool to create, manage articles.
- Intuitive Vietnamese UI

## Risks and Rewards

### The main risks

- A potential conflict between the goals of a powerful tool and an easy-to-use tool
- All of the team members have no or less experience about web application.
- The time-frame is short.

## The main rewards

- Pass this subject (Software Engineering) with high score.