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| Capstone Project Document |

**TUTOR ONLINE**

Report #1 – Project Introduction

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**- Hoa Lac, 05/2017 –**

# SIGNATURE PAGE

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Record of change

\*A - Added M - Modified D – Deleted

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| --- | --- | --- | --- | --- | --- |
| Effective Date | Changed Item | A,M,D | Change Description | Reason for Change | Rev. Number |
| 20/05/2017 | Create Introduction | A | Create Introduction | First version | 1.0 |
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# INTRODUCTION

## Purpose

This document is created as the introduction for project TUTOR ONLINE – our Capstone Project at FPT University. In this document, we will descript the overview of some existing systems, the initial idea for our project, a brief description about our expected system and some potential risks, critical assumptions, constrains. Moreover, this document also shows opportunities what it offers for users.

## Acronyms and Definitions

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| **Acronym & Abbreviation** | **Definition** |
| TTO | TUTOR ONLINE |
| FU | FPT University |
| Q&A | Question and Answer |

**Table 1-1:** Definitions and Acronyms

## Project Information

* Project name: TUTOR ONLINE
* Project code: TTO
* Project group name: FLYING COLORS TEAM
* Product type: Website application
* Timeline: From 8th May to 16th August 2017

# ABSTRACT

TTO is a website for students who can use internet to learn with a tutor. The website must run fluently for student to learn online via Skype. The student - who need a tutor and don’t want to go anywhere. The tutor - who feel free to teach in everywhere they want. Besides, each lesson is short (in 25 minutes), so the student can concentrate to lesson and see their own progress after every lesson. We believe that creative website made for student. Building a learning website for student and also tutor is an awesome way to learn.

# LITERATURE REVIEW

* 1. **Home Class**



Homeclass.vn is a website for learning English online with foreign teachers via Skype in the form of One Teacher – One Student. It is managed and operated by dedicated founders and experienced in English language education.

* **Advantages:**
* Excellent learning English model: One teacher – one student via Skype
* Classroom by yourself, teacher teaches only you
* You can see your own progress after every lesson
* **Disadvantages:**
* You just learn only English
* Teacher have to be foreign people
* You have to pay an expensive fee for each lesson

# PROPOSAL

# The idea

Nowadays, the knowledge of subjects is growing and be more difficult, the parents need to finds a good tutor to complements the knowledge for their children. Grasped this fact, we have made an idea and developed a e-learning system named Tutor Online together. In here, the students can be comfortable to considering or choosing an appropriate tutor for their learning needs, be flexible for making a studying schedule, choosing a studying location is not restrained. The tutor and student can study online everywhere via skype. The parents can manage their children’s information, schedule, and studying quality based on the feedback of tutor after a lesson or a course easily.

## Objectives

This project is the Capstone Project in FPT University studying program.

TTO project is responsibility for all team members. We have to complete all requirements from teacher and FPT University. During the time doing project, we can learn how to work in a project, manage project, communicate better with team member and others, use time sensibility, work in team effectively. Moreover, we also have more experience in many skills, for example: coding, testing, website designing, project managing.

For society, we want to create the website as a tutor online system for student, tutor in Vietnam, create a new learning environment to inspire students to get high.

## Brief description about system

Our project is a learning website with friendly and easy to use for users. We have many categories and subjects to teach.

TTO Website use tecnologies as: ASP.NET MVC5, Entity Framework 6, SQL Server, Bootstrap framework and Jquery.

* 1. **System features**

About TTO Website, we focus to provide many subjects and tests after each lesson for users to practice; Tutor can manage teaching schedules; Admin can manage user accounts; Manager can manage everything about website; Accountant can manage everything about finance; Parent can manage student’s fee and studying information; Supporter can supports for everyone about the schedule or something else.

* + 1. **Guest features**
* Register: Register an account in TTO Website
* View information about website such as tutor’s information, subject’s information …
* Sign in information as a Pre-tutor
  + 1. **Student features**
* Login/Logout: Users login/logout an account to use or exit system TTO
* View and Register subject
* Register for a trial slot
* Set/Cancel a schedule
* View a schedule
* Do the test
* Write feedbacks for tutor
* View tutor’s profile
  + 1. **Parent features**
* Pay money for student’s account
* View all information about student.
  + 1. **Tutor features**
* Set/Cancel a schedule
* View a schedule
* Write feedbacks for student
* View student’s profile
  + 1. **Supporter features**
* Accept and respond requests from client
  + 1. **Accountant features**
* Manage transaction history
* Modify balance
  + 1. **Manage features**
* Manage category, subject, lessons (Add, Edit, Delete)
* Manage tutor’s registered subjects
* Manage Document
  + 1. **Admin features**
* Manage user accounts

# BENEFIT FROM PROJECT

* 1. **For FLYING COLORS TEAM**

After developing and implementing this project, our group will get some benefits:

* Have more experiences of software project management how to manage plan, time, member and risk.
* Have more knowledge about ASP.NET MVC5, Entity Framework 6, SQL Server, Bootstrap framework and Jquery and website designing
* Improve skill about communicate with team members and how to work in team more effective.
  1. **For Community**

Just need to have a device that connect to the internet and any web browser, user can:

* User can use website with friendly & easy to use
* User can do the test on Website and register for a trial
* User feel free because they can learn and teach in everywhere

# CRITICAL ASSUMPTION AND CONSTRAINTS

* 1. **Critical assumption**
* Training: Developers can train ASP.net, MVC5 and Entity Framework 6 in 3 Weeks. Before starting project.
* Human resources: Assume that all members in team have a good healthy to work
  1. **Constraints**
* Time & Deadline: We must complete task on time. We work on 14 weeks, each member works 5 hours/day and 5 days/week. We do not have more time for us to complete developing and deliver application to teachers. Besides, we have to submit report documents before deadline to teacher can review.
* Quality: The products must be run well when users perform main functions in Google Chrome, IE 10, Cốc cốc and firefox browsers
* Process: We have to follow the software processing of FPT Software
* Human resources: There are 6 members in our team, each member have to study 2 subjects (JPD and SSC) at school.

# POTENTIAL RISKS

After studying about this project, we find out some problem that we may be encountered:

* Under-estimate scope and time or miss deadline because lack of experience in group working, managing and controlling work.
* Loss data, source code before uploading data to server because of careless.
* Equipment got broken because of careless or accident.
* Human resources: Team member cannot complete their works because of health reasons, key member leave team or un-cooperating on team.
* Change requirements: Requirement changed when some functions cannot be completed or some technologies is not suitable.

# REFERENCES

* Home Class at URL: http://homeclass.vn/