A. Introduction

1. Project Information
- Project name: **Mobile Based Language Learning Application**
- Project Code: MOLA
- Product Type: Mobile Application
- Start Date: 05-Sep-2016
- End Date: 31-Dec-2016

2. Introduction

The prevalence of mobile technology in today's society and the wave of technological innovation pose new ways to teach and learn foreign language. We can teach and learn foreign language anytime and anywhere using our mobiles. However, finding a teacher or another learner to practice with in order to improve your speaking skill is very difficult, especially a native speaker.

With that in mind, Mobile Based Language Learning Application (MOLA) was built to fill those needs. MOLA serves as a place to improve your speaking skill and as a bridge to connect those who want to teach and those who want to learn. Furthermore, MOLA also offers several tools such as Course tool or Dictionary to support the learning and teaching process.

3. Current Situation

For learners, finding a native teacher or another learner with the same level to practice with has always been a headache. Without practicing, people tend to forget what they have learned thus making them unable to use the language. Online courses do not offer two-way interaction between learner and teacher. Language centers don't have much options and flexibility.

For teachers, it is hard for them to find a place to teach. Not having much free time or a teaching certification can be a problem when it comes to teaching. Additionally, most classes require teacher and learner to be at the same place.

4. Problem Definition

Because of the current situation, there are some problems:

- High cost when study at language center or study abroad.
- Not much flexibility in schedule and location.
- Little or no direct interaction or support between teacher and learner.
- Teacher is usually required to have a teaching certification.

5. Proposed Solution

Our solution is a mobile application that allow users to practice speaking via his/her mobile with another user and help connect people who want to teach and people who want to learn.

MOLA offers the following features:

5.1 Feature functions
Teacher

- Register time slots: users who want to teach can register his/her available time slots so that other users can register to learn.

- Course tool: a simple tool so that teachers can compose a course structure.

- Effective score: each teacher can have an effective score, which indicates how effective he/she has been teaching. The effective score is calculated based on many factors: punctuality (i.e. online at the registered time slots), rating from learners…

Learner

- Supported learning tools: while practicing speaking with teachers, the system support learners with tools such as dictionary, pronunciation supports…

- Learner ranking: each learner will have a ranking score, which indicates the progress he/she has made.

- Privacy control: users should be able to control his/her camera viewing from other.

- Keep track of learning progress.

- Suggestion: learners should be able to view suggested teachers and learners

5.2 Advantages and disadvantages
Advantages

- Reasonable, flexible price.
- Flexible schedule.
- Can learn/teach anywhere with internet connection.
- Direct interaction between teacher and learner.
- Supporting tools.

Disadvantages

- Require a mobile device with internet connection.
- Currently only support Android devices.
- Unable to verify users' skill.

6. Functional Requirements

Learner:

- Register a course.
- Register a slot.
- Dictionary tool
- Rate teachers.
- Privacy control.

Teacher:
- Create a course.
- Create a time frame
- View their learners' progress.

System:

- Suggest teachers and learners.
- Tracking learning progress.

Admin:

- Manage account

7. Role and Responsibility

Table 1: Roles and responsibility

No	Full Name	Role	Position	Contact
1	Nguyễn Huy Hùng	Product Owner, Scrum Master	Supervisor	HungNH@fpt.edu.vn
2	Nguyễn Phước Thành	Developer	Leader	ThanhNPSE61563@fpt.edu.vn
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