**DANANG UNIVERSITY OF SIENCE AND TECHNOLOGY**

**INFORMATION TECHNOLOGY FALCUTY**

**RESEARCH PROPOSOL**

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Class : 16T3

1. **Project (research topic) title**

ENGLISH FOR EVERYONE

1. **Project (research topic) abstract**

After finishing the plan, results as well as targets we want to get is: built multiple transactions, multiple other objects groups will study together the same generic application. Help users improve the reading and reading skills. in addition to, I hope I will develope others skills for. Don’t make boring for people who are not good at EngLish.

1. **Project (research topic) details**
2. **Introductory background**

Nowadays, for Eastern countries in general and Vietnam in particular, English is very necessary to communicate with international friends, study and work . However, some people are not enough time and money to study at English centers. In addition, parents also want to let their children to approach with English as early as possible. It is easier to help children have basic knowledge or skills to recognize everything around them.. With its influence as well as the development of technology in the present life, creating an application that helps people learn and exchange knowledge becomes more important and useful than ever. On the other hand, because my English level is limited and need to be improved. I want to create an app that can help me and some others (many ages: children, adolescents or adults) can learn English independently at any location on our smartphone anytime.

By learning and experiencing some English learning applications on android /ios phone, I feel that these applications are only appropriate for certain objects without applying to many various ones. For example, if a family wants to learn English for their children, for younger siblings, even for themselves, they have to use variety applications to do. Althought, my reading and speaking English skills are quite bad, the available applications do not really support me to improve my English skills and reach my expectation. Therefore, I want to create an application that serves the needs of the example above.

Classify user: with this function, many persons are able to use the same application, but each person will use a personal account to learn at different levels. Firstly, the user have to download the application and create a personal account to log in. Next, they will choose a learning model for themselves. With different model, they have to take a test (for adults). If they pass the required score of each level, they will be learned model which chose.

Each different model, the user will have different sections.

English for Kids: all lessons will be vocabulary, meaning and practice reading for children . Each word is always accompanied by simple images.

English for adults: lesson will be vocabulary, grammar , listening, practice pronunciation.

Vocabulary: includes vocabulary, meaning and transcription. When choosing a level of vocabulary, user will begin to learn from low to high levels depending on the score which they gained when doing the initial test.

Grammar: sentence structures. You will learn the sentence structure and then the simple exercises for each type of structure. Practice sentences, rewrite sentence

Listening: Listening to words, phrases, short conversations. Listening is always a weakness of most people.therefore, in this section the user has to listen and rewrite missing words in the sentence .

Lessons will be updated regularly by the admin or volunteers of the project.

In addition, the app also has the function of evaluating and leaving comments so admin can support as well as edit what is not good.

Next, I will mention about English for adults and skip English for kids because English for kids doesn’t require anything but just help the child get acquainted with new words, how to read or how to recognize it.

1. **Research question/s**

what is the English status of some people in Vietnam today?

What will they do is the test is too hard for them?

How to restrict users randomly selected answer?

How does the intelligent testing system work?

1. **Research design and methodology**

So, the problem need to solve here is: what is the English status of some people (for people who are not good at English) in Vietnam today?

As we known, English is a popular language. However, not everyone is good at English, partly because they has no time, too lazy to study ... or partly because of they feel boring when only studying in school years by years. For most students, nowadays, learning English is more difficult when there is too much things to learn in school, the time spend on favorite subjects seems to be not enough, so the learning is cursory with unfavorite subjects is specified . Especially for students who study in technical schools, they spend time on specialized subjects, the mathematical, physics which they have pursued since they know it, so they did not learn English. For parents (English skills are not good) learning English at present becomes difficult when they still have to take care of their family, they don’t have much free time to go to English language centers to practice foreign language skills for yourself. Therefore, English is a difficult problem to solve, lead to the test they will randomly choose or ignore it if they do not understand, too difficult for their own ability.

What will they do is the test is too hard for them? Of course, similar to all other tests, these tests will have a uniform distribution between the parts: vocabulary, grammar, writing and listening. But here the test will not be as dry as the usual tests at school and not too difficult. It will be animated, funny sound if you do each questions rightly and it will be the image, encouraging sound when you are wrong. At times, these audio images are exciting for the user to continue with the next part of the lesson.

How to restrict users randomly selected answer? Based on the fact that I have seen and myself, I think to limit the user to choose the right answer or use the help of technology (search google, ask friends ...) to overcome. pass the test and enter on the application. I want to build a smart system that does not allow users to leave while performing tests on the application. So how does the intelligent testing system work? That is, when you start doing some tests, the system will start calculating hours from 00:00 and then increasing without a time limit. So you do the work for hours (you will be deducted if done too long on each sentence, the longer it is, the lower the point is).

Besides, the function does not allow the user to leave the application while doing the test, meaning that when doing the lesson you will only be surfing within the worksheet and will only exit the application if it is completed. If you quit before completing it, you will be considered as having committed the violation and the assignment will be canceled. You will return to the beginning with the new test. This is a function that I personally experienced when taking part tests in my university studies, which was developed and went very well, so I wanted to apply it in my application.

1. **Research plan and timeline**

Creating a application idem is based on your really want of the user. With the rich data source from the internet, I hope this application will be complete in 6 monthsand split by 3 phase: first, in the interval from 10-20 days will find the shared people are found development project (can be 5-6 to users include your users and set users, each person will make a role name in the project). Then, in the next 30-40 days we will find the data available from the internet as well as create new interesting topics, add to the application data, learn the algorithm to use. Finally, it is the time that programmers start on important parts of the project, which is to build algorithms, logic code, and execute a project test.

1. **References**

Reference and development based on the Duolingo application, LearnEnglish Grammar.