

REPORT:

PHASE 1: APT Project Definition  
Phase

Students:

* Felipe Benjamín Ortiz Mora
* Cristian Sebatián Carrasco Cabaña
* Camilo Alfonso Carrasco Donoso

Teacher: Carlos Eduardo Correa Sanhueza

Subject: CAPSTONE\_003D

September 11, 2024

# Introduction

This report contains a summary of what we worked on during this first phase of the APT project and how we carried it through. It will address the problem, the solution, the results obtained, and finally, conclusions and the steps to be followed in the next phase.

# Problem Statement

Currently, the new curricula of the School of Computer Engineering and Telecommunications no longer includes the “Basic English” course, instead, students now start with "Elementary English," which significantly impacts new students who do not have a good knowledge of English. These students will now have to face an important challenge since, not having previous knowledge, they will have to level up to DuocUC’s new requirements. On the other hand, it also affects the teachers and the institution, who will have to deal with a significant disparity in the students' language skills, leading to wide variations in academic performance.

# Proposed Solution

Our proposed solution is a free tool that seeks to fill this gap that has been generated by the new curricula. We plan to implement a web-based platform with online resources to help these students improve and level their English skills. The plataform will offer two learning modules: Module 1: Basic English and Module 2: Elementary English. Furthermore, the platform will feature activities, tests, quizzes, explanatory videos and feedback from the teachers of each section to support student progress.

# Results

For this first phase, we have defined in detail our project, including the artifact identification, the project timeline (or schedule), the methodology we will work with (SCRUM - Agile) and all the preliminary documentation that corresponds before product development begins (Sprint Planning, Product Backlog, Requirements Specifications, Project Definition).

# Final Thoughts and Next Steps

The work done during this phase contemplates the most important elements when carrying out a project. These elements include the initial documentation plus the planning of resources, time and effort. If we do not define our project correctly during this first phase, then during the development stage we will encounter planning problems or time allocation issues.

The next steps that await us in Phase 2 involve the development of our product, which includes the programming of the website and each of the modules it incorporates. We will work on the student user interface and then on the teacher user interface.