

SE 216 – SOFTWARE PROJECT MANAGEMENT

Spring 2023-2024

Project Proposal

IR-SEE

(Improving Reading Speed with Eye Exercises)

Problem Definition

Concentration problems and reading comprehension are increasing day by day and reading books is presented by experts as an important solution to this problem. However, low reading speed causes people to be unable to manage the time they allocate to reading, and as the time allocated to reading decreases, health problems such as lazy eye also arise.

These conditions can affect our daily lives and reduce our productivity. These problems are becoming more evident, especially with the intense work pace brought about by modern life and the increase in digitalization.

Background Information

Within the scope of this project, we aimed to increase reading speed with various exercises suitable for all age ranges and reading skills. With various eye exercises such as dot tracking, zigzag eye exercises, square visual field exercises, hourglass exercises, we aimed to enable people of all age groups to use the time they devote to reading more efficiently and increase their comprehension rates.

For this purpose, after separating the people who log in to the application first by age and then by the purpose of using the application (increasing reading speed, solving focus problems or preparing for exams, etc.), we aimed to measure the user's status at the beginning and end of the exercise and to make the distance traveled visible and to keep track of it. We have adjusted the level of these exercises according to the user and designed exercises that become more comprehensive as they progress. We also supported them with appropriate exercises to minimize the problem of lazy eye. In addition to this solution, we aim to provide users with content according to their language preferences by giving them access to different language options on our platform. In this way, we aim to help users learn different languages and gain reading skills in different languages at the same time. In this way, we think we can better respond to the needs and expectations of each user.

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Objectives

- To give reading habits to children who are new to reading
- Increasing the reading rate among adults
- Increase reading speed
- Increasing reading comprehension
- Minimizing lazy eye and similar problems
- To give people the ability to read in different languages
- Increasing the level of success related to reading in exams

Approval Signatures and GitHub Accounts

GITHUB ACCOUNT

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