

SE 216 – SOFTWARE PROJECT MANAGEMENT
REQUIREMENTS DOCUMENT

PROJECT NAME: IR-SEE (IMPROVING READING SPEED WITH EYE EXERCISES)

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REQ. #	FUNCTIONAL REQUIREMENTS
1	The user should be able to access all kinds of exercises, profile settings and results from the menu section on the side of the platform's interface.
2	Users should be able to create accounts and log in securely to the platform.
3	Users should be able to update their profiles and personal information .
4	Users should be able to choose their preferred language.
5	Users should be able to choose exercises suitable for their age group and specific goals (e.g., increasing reading speed, improving focus, preparing for exams)
6	The platform must track users' progress through exercises, time spent and performance improvements.
7	Exercises should be adjustable based on the user's skill level and progress, increasing in difficulty as the user improves.
8	The platform must include various eye exercises such as dot tracking, zigzag eye exercises, and square visual field exercises to enhance reading speed and minimizing lazy eye problems.
9	Users should have access to content in multiple languages, allowing them to practice reading and comprehension skills in different languages.
10	The system should send daily reminders to users to build habit
11	The platform should measure the users' comprehension levels both before and after exercises to evaluate the effectiveness of the program.
12	The platform should measure the user's reading speed by eye tracking
13	The platform should provide personalized recommendations based on the user's performance and preferences to enhance their learning experience.
14	Users should receive detailed progress reports, including metrics on reading speed improvement, comprehension rates, and any changes in focus or eye health.

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REQ. #	NON-FUNCTIONAL REQUIREMENTS
1	The platform must be responsive and performant, even under heavy user load, to ensure a smooth user experience.
2	User data must be securely stored and transmitted to protect users' privacy and sensitive information.
3	The platform should be accessible to all users, following accessibility guidelines to ensure inclusivity.
4	The platform should be easy to use for people with disabilities
5	The platform should be compatible with various devices and operating systems to reach a broader audience.
6	The system should be designed to handle a growing number of users and exercises without significant decline in performance.
7	The user interface should be intuitive and easy to navigate, welcoming to users of all ages and skill levels.
8	The platform should be reliable, with minimal downtime and robust error handling mechanisms in place.
9	The platform should support multiple languages both in the user interface and in the content provided to users.
10	Regular backups of user data should be performed, and mechanisms for data recovery in case of system failure should be in place.
11	The platform should comply with relevant regulations and standards, particularly regarding data protection and user privacy.
12	The platform receive feedback from the user at regular intervals and develop the platform accordingly