Problem Definition

The project aims to help people in improving their memory and memorization skills. With the help of special exercises for memorization it can be really helpful for people to train their brains.

Users of the System

People - consumers of our website, anyone who wants to improve their memorization skills.

System Requirements

➢ **User Login**
•   User email and password is required

•   The system must only allow user with valid email and password to log in the system, otherwise shows an error message.

➢ **User Sign Up**

•   User email, name, surname and password is required

•   The system must only allow user with valid data to sign up to the system, otherwise shows an error message.

➢ **User Practice**
•   User should be able to practice his/her memorization skills.

•   The system must give appropriate exercises to user for improving memory according to his/her past progress in memorization.

➢ **System Records**
•   The system should record the progress of the user.

•   The system must show the detailed diagram about progress of the user.

➢ **User Update Profile**
•   User should be able to update all information in his/her profile such as: name, surname, email, password.

•   The system must only allow user to update profile information with valid data, otherwise shows an error message.

Software & Hardware Requirements

•   Development tools and programming languages for the project: Backend – Node.js, Python flask, Forontend – React.js will be used to write whole code and develop the web.
•   Unit testing tools for the project: Unittest, Mocha, Chai
•   Additional development and unit testing tools may be added in the future within the needs of the project.