

## Functional Requirements for IT English Learning Web Application

The IT English Learning web application is a platform designed to aid users in learning English for IT purposes. It includes features such as registration and user login, a personal dashboard, a word trainer section, and a technical book library.

### Registration and Login

- The web application must provide a registration form for users to create an account.
- Users must be able to log in to the system using their username and password.
- If a user forgets their password, they should be able to reset it using their email.

### Personal Dashboard

- Users should have a personal dashboard that displays their progress in learning English for IT purposes.
- The dashboard should include a graph that shows the user's daily progress in terms of the number of correct and incorrect answers given during word trainer sessions.
- The dashboard should also provide the user with access to a list of text-based advice on how to prepare for IT job interviews.

### Word Trainer

- The word trainer section should allow users to input English words based on their Ukrainian translations.
- The system should provide users with hints in the form of placeholder text that displays the correct answer.
- The system should include a button for users to reveal the correct answer if they are unable to provide it.
- The system should allow users to add their own words to the database for learning.

### Technical Book Library

- The technical book library should provide users with access to a variety of English language IT-related books.
- The system should allow users to browse for books based on their titles and authors.

- The system should provide users with the ability to mark books as read and track their reading progress.

### Technologies Used

The IT English Learning web application is built using the following technologies:

- Entity Framework
- ASP.NET Core
- HTML
- CSS
- PostgreSQL

## Account Management System

<b>№</b>	<b>Role</b>	<b>Use case</b>	<b>Description</b>
1	User	Sign Up	The user can create a personal account
2		Login	Login to personal account
3		Reset password	If the user has forgotten the password, he can recover it using email

## Personal Account

<b>№</b>	<b>Role</b>	<b>Use case</b>	<b>Description</b>
1	User	View personal account	In your personal account, you can view statistics and get advice on studying
2		Logout	Exiting the personal account and moving to the login page

## Word Trainer

No	Role	Use case	Description
1	User	Add words	Ability to add words to the database for efficient study
2		Enter a word	The possibility of entering a word to check the acquired knowledge
3		Use a hint	The ability to use a hint spoils the statistics for the user, but motivates learning more

## Technical book library

No	Role	Use case	Description
1	User	View library	Browse available books to read
2		Choose a book to read	Ability to choose a book to read
3		Mark book as read	The ability to mark a book as read for better orientation in the library

## Use case diagrams for user



