SkillsBooster

Enhance your skills with SkillsBooster

# Description

Our platform offers a comprehensive tool designed to support companies in evaluating and developing their employees' knowledge through customizable self-assessment questionnaires and AI-generated learning contend.

The solution aids management in ensuring the continuous growth of their team's skills

# Documentation

## Functionalities

**Knowledge Domain Management:**

* Easily add and manage knowledge domains
* Define and edit key competencies within each domain

**Question Management**

* User-friendly interface for creating, editing and deleting questions within a domain
* Option to include correct and incorrect answers for each question
* Link questions to theoretical knowledge or relevant learning resources

**AI Integration**

* AI-powered generation of simple answers
* Analysis of user responses to identify knowledge gaps
* Automated suggestions for knowledge improvement, including learning materials based on incorrect answers.

**Learning Material**

* Link or upload learning materials such as articles, videos, e-books, or web resources relevant to knowledge enhancement.
* Organize learning materials by domain and specific competencies.

**Skills Matrix Generation**

* Track employee progress and compare knowledge levels
* Automatically generate and update a Skills Matrix based on employee progress
* Responsiveness and Accessibility
* Intuitive and uer-friendly interface for easy navigation and use
* Accessible on various devices (computers, tablets and smartphones) with adaptability to different screen sizes

## Architecture

## Teamwork

As a group of three members we have split the work in two parts, ones that do the frontend and ones that do backend logic. We had one member on the frontend, and the two on the backend, which one of them was responsible, for developing our AI model.

Frontend development

# Technologies

## AI

We’ve been dedicated, to develop our own AI model, which can analyze the files that user uploads and suggest answers. We have also developed it in a way that it examines the quizzes, solved by users and grades them.

To track user success rate, we have included a knowledge matrix, that can be seen by the manager role, that AI automatically refreshes.

## Firebase

We have used the platform Firebase to store the files that manager users upload, furthermore it has been a useful for authenticating and storing user data.

# Installation

## Backend

## Frontend

# Testing

## Testing tool

We have used this testing to help us test different functionalities of our site

## Test Scenario

## Optimization

For optimization we used \_\_\_\_\_. It provided us to have insight into speed of the site and furthermore we used \_\_\_\_ to optimize our code and get rid of any clutter that we have may forget during coding.

# User Manual

You can find User Manual in a separate file “SkillsBooster User Manual” in the folder: Documentation, on our repository, where everything is described in detail on how to use our website.