

Business case

Overview

This document aims to investigate the feasibility of 'Quiz Manager', which is a product that has been requested by 'WebbiSkools Ltd'.

Product Background

The aim of this project is to create a database driven quiz management website to manage quizzes. The website will need to enable the creation and management of quizzes consisting of multiple choice questions, and will need to be available only to known users who will have different permissions preconfigured. A user's ability to access certain features will depend on these permissions.

Domain Analysis

WebbiSkools Ltd is a software company that provides on-line educational solutions for education establishments and training providers.

WebbiSkools Ltd already has various different websites to facilitate the taking of quizzes.

We can assume that the majority of WebbiSkools users are not technical and the website must be intuitive to use.

We can assume that as this website will be used by educational institutions the majority of users will use a desktop, therefore the UI and UX in a desktop view should be prioritized over mobile.

As the website will serve educational institutions, accessibility is extremely important and best efforts must be made to make the website as accessible as possible.

Technical Feasibility

Risk	Likelihood	Mitigation
Time constraint of 40 hours	Definite	Make sure functional requirements have been implemented before moving on to non functional requirements.

Bad quality user inputs	Medium	<p>Suggest use of spell checkers to users.</p> <p>Add in profanity checking regex if there is enough time.</p>
Malicious user inputs	Low	Use placeholders in SQL queries.
Poor accessibility	High	<p>Use a high contrast theme.</p> <p>Use appropriate DOM structure for tabbing.</p> <p>Use lighthouse to make checks.</p>

Cost Benefit Analysis

Not applicable to project.