

Repository Analysis Report

Overview:

This repository implements a Flask application called Quizcraft, which assists users in creating quizzes from text, PDFs, or using the Quizizz API. It also features user authentication, form handling, and integration with Google Forms and a database to store user information and quizzes.

File Analysis:

File: Quizcraft\api_interaction.py

Purpose: Provides functions to interact with Quizizz API, including creating quizzes and submitting answers

Dependencies: os, requests, json, datetime

File: Quizcraft\app.py

Purpose: Main Flask application file, initializing app, routes, database, and blueprints

Dependencies: flask, os, flask_cors, flask_sqlalchemy, Quizcraft.app_database, Quizcraft.pdf_processing, Quizcraft.forms

File: Quizcraft\app_database.py

Purpose: Defines the database models and configurations for the Flask application, setting up the database connection and tables

Dependencies: flask_sqlalchemy, os

File: Quizcraft\create_google_form.py

Purpose: Provides functionality to create Google Forms from quiz data, using Google API

Dependencies: requests, json, os, googleapiclient.discovery, googleapiclient.errors, httplib2, google.oauth2.service_account

File: Quizcraft\create_questions.py

Purpose: Generates quiz questions from provided text, with options for different question types and difficulty

Dependencies: random, os

File: Quizcraft\forms.py

Purpose: Defines HTML forms for the application, including login, registration, and quiz creation forms

Dependencies: flask_wtf, wtforms, wtforms.validators, os, Quizcraft.app_database, Quizcraft.pdf_processing

File: Quizcraft\pdf_processing.py

Purpose: Handles processing and extraction of text and data from PDF files, used for creating quiz questions from PDFs

Dependencies: PyPDF2, os, json

File: Quizcraft\quick_form.py

Purpose: Provides functionality for creating quick quizzes with minimal input from the user

Dependencies: os, flask