**README Online Exam with examinr**

This project sets up an online examination system using the examinr package in R, leveraging Google Sheets as the storage provider for managing and storing exam data.

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**Project Overview**

**examinr Package**

The examinr package in R provides tools to create and deploy interactive exams. It supports various types of questions, such as multiple-choice, text, and coding exercises. The exams can be embedded in Shiny applications, enabling real-time interaction and grading. The package also allows for customization and flexibility, making it suitable for different educational and training purposes.

**Storage Provider: Google Sheets**

In this project, we use Google Sheets as the storage provider for handling exam data. Google Sheets provides a convenient and scalable way to store and manage data such as user attempts, scores, and section progress. The integration with Google Sheets allows for real-time updates and easy data access.

**Google Sheets Setup**

To set up Google Sheets for this project:

1. Create a Google Sheet: Set up a new Google Sheet that will serve as the database for exam data.
2. Enable Google Sheets API:
   1. Go to the Google Cloud Console, enable the Google Sheets API, and create credentials for a Service Account.
   2. Download the JSON key file for your Service Account and place it in your project directory.
3. Share the Google Sheet: Share the sheet with the Service Account's email address (found in the JSON key file) and grant edit permissions to allow the service to write data to the sheet.

**Usage**

**Running the Exam**

1. Load the Project in RStudio: Open the project in RStudio.
2. Authentication: Ensure that the Service Account JSON key file is correctly placed in the project directory. This file is essential for authenticating and interacting with the Google Sheets API.
3. Configure the Google Sheet ID: Update the script with your specific Google Sheet ID to connect the application with the correct sheet.
4. Launch the Application: Use RStudio's "Run App" button or execute the shiny::runApp() command in the R console to start the application.