1. **Error when the google sheet is having only 1 record.**  
   The error occurs due to the structure of the data when there is only one record compared to when there are multiple records. Specifically:  
   Multiple Records: The data is likely stored as a list of dictionaries, where each dictionary represents a row. This is the expected format for storing multiple rows of data in a Google Sheet.

Single Record: When you have only one record, the data might be stored as a dictionary instead of a list containing a single dictionary. This difference in structure can cause issues when attempting to access elements using list indexing, which is why the IndexError is thrown.

1. **Login page**

Currently the login is token-based authentication for which I have used ZID as token.

The token needs to be unique.

The user\_id in the attempts matches with the ZID in the users sheet, hence both columns ZID and token is kept the same to avoid complexity.

**Testing:**

1. When we assign an object to the dataset in initial chunk, the object is not stored for it to be accessible in the next code chunk.
2. Exam working in different browsers with the same ZID, and when storing it stores data from both sessions.
3. When a user with ZID (e.g., Z1975838) submits the exam and later reopens the link, the previously answered questions are cached and automatically populated