

Summary of Session Findings for Session 1 (Category and Its Interoperability)

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Functionality That Worked

- Successful retrieval of API documentation with the "GET /docs" request.
- Fetching all previously filled categories with the "GET /categories" request.
- Obtaining headers for categories using "HEAD /categories."
- Creating category objects with the "POST /categories" request, although it had an issue with ID incrementation.
- Amending pre-existing todos with both "PUT /categories/1" and "POST /categories/1" requests.
- Deletion of existing todos with "DELETE /todos/5."
- Checking interoperability with projects and task relationships, as well as retrieving headers for these relationships.
- Creating and deleting relationships between categories and projects.

Instabilities/Concerns

- Failed post requests increment the ID counter, potentially leading to ID inconsistencies.
- Encountered inconsistencies in retrieving todos of a specific category (empty list) and in the association with categories when "get all todos" was executed (category defined as id:"1").
- Observed that the "post categories/:id/todos" operation creates a one-sided association, with categories aware of todos, but todos not reciprocating.

- Discovered that querying projects of a non-existent category returns a 200 status empty list, potentially misleading users about the category's existence.
- Noted a confusing error message when creating a relationship between a non-existent category and a project.
- Encountered the same one-sided association issue between categories and projects.
- Shutdown function did not return a response and resulted in a socket hang-up error.