**Indexes on users table:**

CREATE INDEX id ON users (id);

This index allows the database manager to search for a specific user by the user ID. This is beneficial because each ID is unique, so specific users can be easily and quickly found.

CREATE INDEX username ON users(username);

This index allows the database manager to search for a specific user by username, as all usernames are unique.

CREATE INDEX isadmin ON users(isAdmin);

This index allows for searching users based on whether or not they are an admin.

**Indexes on subject table:**

CREATE INDEX subjectid ON subject(id);

This index allows the database manager to search for a specific subject by its ID.

CREATE INDEX uniquename ON subject(subject\_name);

This index allows the database manager to search for a specific subject name, as all subject names must be unique.

**Indexes on card table:**

CREATE INDEX cardid ON card(id);

This index allows for searching a card based on id in the card table.

CREATE INDEX fk\_card\_subject\_id\_\_subject\_subject\_id ON card(subject\_id);

This index is a foreign key reference that allows for searching cards based on the subject id.

CREATE INDEX cardbyuser ON card(username);

This index allows for searching cards based on the username.

**Indexes on deletedSets table:**

CREATE INDEX delset ON deletedsets(delSetID);

This index allows for searching a specific set from the deletedSets table.

CREATE INDEX delsetbyID ON deletedsets(userID);

This index allows for searching deletedSets by a user ID.