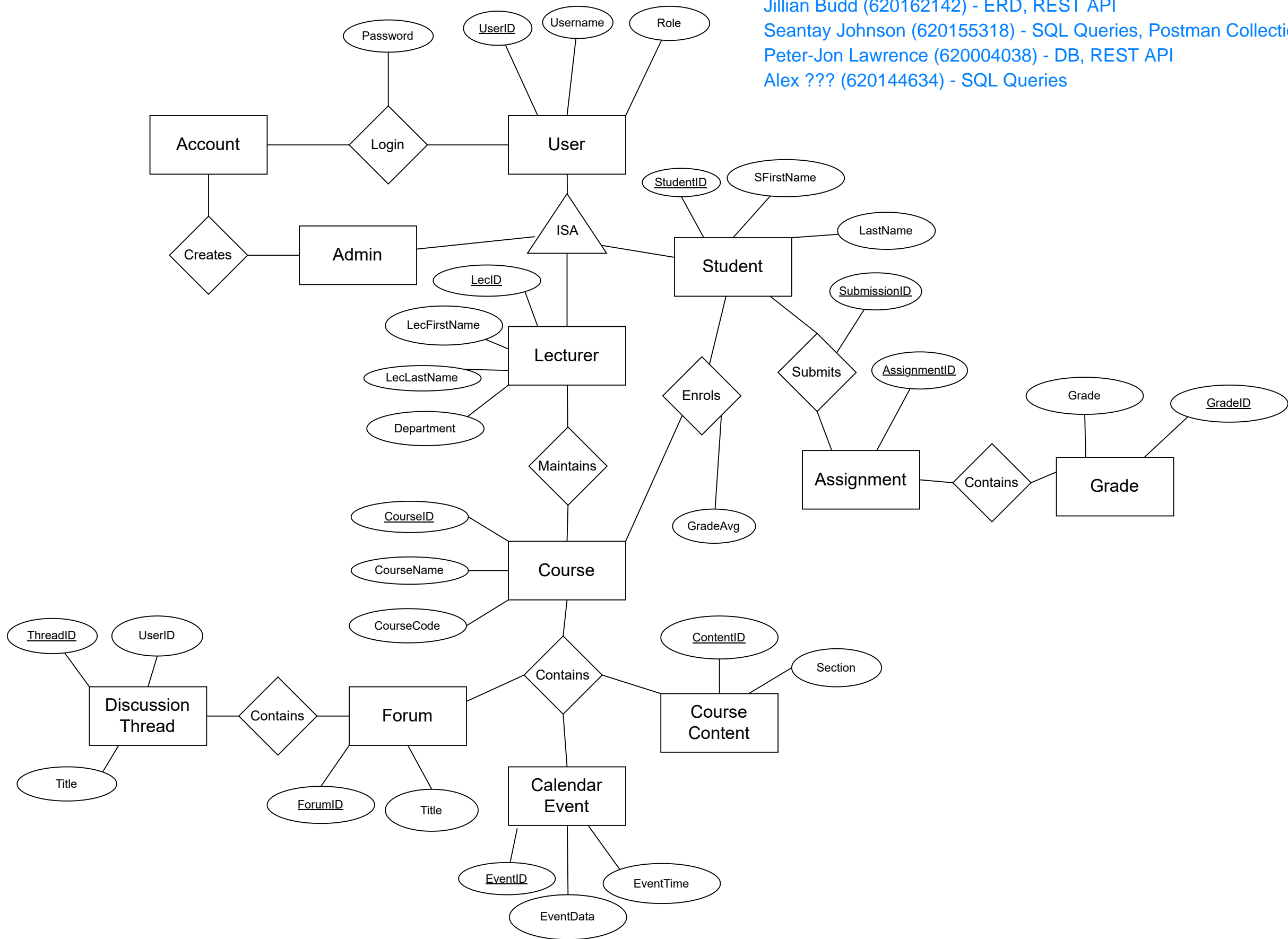Jillian Budd (620162142) - ERD, REST API
Seantay Johnson (620155318) - SQL Queries, Postman Collection
Peter-Jon Lawrence (620004038) - DB, REST API
Alex ??? (620144634) - SQL Queries

Entity-Relationship Diagram

Account — Login — User (Password, UserID, Username, Role)

User — ISA — Admin, Student, Lecturer

Account — Creates — Admin

Student (StudentID, SFirstName, LastName)

Lecturer (LecID, LecFirstName, LecLastName, Department)

Student — Submits — Assignment (SubmissionID, AssignmentID)

Student — Enrols — Course (GradeAvg)

Lecturer — Maintains — Course (CourseID, CourseName, CourseCode)

Assignment — Contains — Grade (Grade, GradeID)

Course — Contains — Forum, Course Content, Calendar Event

Discussion Thread (ThreadID, UserID, Title) — Contains — Forum (ForumID, Title)

Course Content (ContentID, Section)

Calendar Event (EventID, EventData, EventTime)

Assumptions:

- User would have two attributes: A name and an ID. Subsequently, the Admin, Student, and Course Maintainer would possess these attributes.
  - Admin would possess an attribute for when they were made an Admin of the system
  - Student and Course Maintainer also have the Course ID of the Course they are a member of
- Account, apart from possessing the User's ID, would also have the date it was created
- Course would have two attributes: A name and an ID. Subsequently, its dependencies would possess these attributes
- Discussion Thread would have a title attribute
- Section would have a number attribute
- Calender Event and Section Items would have a type attribute
  - Calender Event would also have an attribute for the date listed on it
- Assignment would have the ID of the student who submitted it, and the date it was submitted on

Relations/Table

- User(u_id, u_name)
- Account(u_id, date_created)
- Admin(u_id, u_name, date_made)
- Course(c_id, c_name)
- Student(u_id, c_id, u_name)
- Course-Maintainer(u_id, c_id, u_name)
- Discussion-Forum(c_id)
- Discussion Thread(c_id, u_id dis_title)
- Section(c_id, sec_no)
- Section-Items(c_id, sec_no, sec_type)
- Calendar-Event(c_id, cal_type, date_listed)
- Assignment(u_id, date_submitted)