

# ClubConnect Database Design

## 1. Collection samples in JSON Format

University Collection:

```
{
  "university_id": 1,
  "university_name": "Northeastern University",
  "university_email_domain": "northeastern.edu",
  "university_address": "360 Huntington Ave",
  "university_zip_code": "02346",
  "university_city": "Oakland",
  "university_state": "CA",
  "university_website": "http://www.northeastern.edu",
  "university_clubs": [
    "ObjectID-2",
    "ObjectID-3"
  ]
},
{
  "university_id": 2,
  "university_name": "University of California, Berkeley",
  "university_email_domain": "berkeley.edu",
  "university_address": "200 California Hall",
  "university_zip_code": "94720",
  "university_city": "Berkeley",
  "university_state": "CA",
  "university_website": "http://www.berkeley.edu",
  "university_clubs": [
    "ObjectID-4"
  ]
}
```

Club Collection:

```
{
  "club_id": 1,
  "club_name": "Tech Club",
  "club_description": "A platform for students to discuss and work on tech projects."
}
```

```
"club_start_date": "2021-09-20",
"club_email": "techclub@northeastern.edu",
"club_logo": "",
"club_category": "Technology",
"events": [
  {
    "event_id": 1,
    "event_name": "Tech Talks: AI in 2023",
    "event_date_time": "2023-10-20T14:00:00",
    "event_location": "Room 101, Tech Building",
    "event_description": "A discussion on the latest developments
in AI.",
    "event_status": "Scheduled",
    "event_contact": "alice.j@northeastern.edu",
    "event_type": "Seminar"
  },
  {
    "event_id": 7,
    "event_name": "AI and Ethics Panel Discussion",
    "event_date_time": "2024-03-10T18:30:00",
    "event_location": "Main Auditorium",
    "event_description": "Panel discussion on ethical
considerations in AI development.",
    "event_status": "Canceled",
    "event_contact": "grace.k@northeastern.edu",
    "event_type": "Seminar"
  }
],
"members": [
  {
    "member_id": 1,
    "member_type": "Leader",
    "member_role": "President",
    "member_description": "President of the Tech Club",
    "member_join_date": "2021-09-20"
  },
  {
    "member_id": 4,
    "member_type": "Core",
    "member_role": "Event Coordinator",
    "member_description": "Event Coordinator of the Tech Club",
    "member_join_date": "2022-09-01"
  }
]
}
```

## Student Collection:

```
{
  "student_id": 1,
  "student_first_name": "Alice",
  "student_last_name": "Johnson",
  "student_email": "alice.j@northeastern.edu",
  "student_program": "Computer Science",
  "student_graduation_date": "2024-05-01",
  "student_enrollment_year": 2021,
  "student_dob": "2002-03-10",
  "interviews": [
    {
      "interview_id": 1,
      "interview_date_time": "2023-10-25T16:00:00",
      "interview_role": "Vice President",
      "interview_platform": "Zoom",
      "interview_status": "Completed"
    }
  ]
}
```

## 2. UML Class Diagram and ERD Link

[ClubConnect\\_UML-ERD](#)