Campus Connect - MongoDB Aggregation Operations

# 📊 Aggregation Queries

## Analytics

Display users who received more than one offer:

[  
 { $match: { offers: { $gt: 1 } } },  
 { $project: { userId: 1, offers: 1 } }  
]

Display students with application success rate above 50%:

[  
 {  
 $project: {  
 userId: 1,  
 successRate: {  
 $cond: [  
 { $eq: ["$totalApplications", 0] },  
 0,  
 { $multiply: [{ $divide: ["$offers", "$totalApplications"] }, 100] }  
 ]  
 }  
 }  
 },  
 { $match: { successRate: { $gt: 50 } } }  
]

## Badges

Display badges awarded for applications with more than 10 points:

[  
 { $match: { awardedFor: "applications", points: { $gt: 10 } } },  
 { $project: { badgeId: 1, name: 1, points: 1 } }  
]

List total badges by award type:

[  
 { $group: { \_id: "$awardedFor", count: { $sum: 1 } } },  
 { $sort: { count: -1 } }  
]

## Jobs

Display number of jobs by location:

[  
 { $group: { \_id: "$location", jobCount: { $sum: 1 } } },  
 { $sort: { jobCount: -1 } }  
]

List skills most frequently required in jobs:

[  
 { $unwind: "$required\_skills" },  
 { $group: { \_id: "$required\_skills", count: { $sum: 1 } } },  
 { $sort: { count: -1 } },  
 { $limit: 5 }  
]