Embedded Data Collections (Documents/Tables)

Students Collection:

This collection stores information about individual students

```
{
        "_id": {
          "$oid": "65669efbd1f693e3aef2fc86"
        },
        "student_id": 1,
        "fname": "Price",
        "lname": "Keith",
        "city": "Oaxaca",
        "age": 21,
        "address": "P.O. Box 781, 5180 Eu, Street",
        "email": "donec.porttitor@outlook.ca",
        "mobile_no": "(406) 118-1303",
        "courses": [
                {
                        id":        {
                          "$oid": "65669f24d1f693e3aef2fc9e"
                        },
                        "course_id": 1,
                        "course_code": 48642,
                        "course_name": "statics",
                        "credit": 37,
                        "dept_id": 7
                },
        ],
},
{
        "_id": {
          "$oid": "65669efbd1f693e3aef2fc87"
        },
        "student_id": 2,
        "fname": "Amelia",
        "lname": "Nicholson",
        "city": "Concepción",
        "age": 23,
        "address": "Ap #501-3576 Fermentum Ave",
        "email": "hendrerit.neque@google.org",
        "mobile_no": "1-523-282-3547",
        "courses": [
                {
                        "_id": {
                                "$oid": "65669f24d1f693e3aef2fc9f"
                                },
                        "course_id": 2,
                        "course_code": 65315,
                        "course_name": "maths",
                         "credit": 35,
                        "dept_id": 5
                },
        ],
},
```

Embedded Document in Each json

Courses Collection:

Information about the courses offered.
json

```json
{
    "_id": {
        "$oid": "65669f24d1f693e3aef2fc9e"
    },
    "course_id": 1,
    "course_code": 48642,
    "course_name": "statics",
    "credit": 37,
    "dept_id": 7,
    "students_enrolled": [
        {
            "student_id": "1",
            "enrollment_date": "2023-11-13"
        },
    ],
},
{
    "_id": {
        "$oid": "65669f24d1f693e3aef2fc9f"
    },
    "course_id": 2,
    "course_code": 65315,
    "course_name": "maths",
    "credit": 35,
    "dept_id": 5,
    "students_enrolled": [
        {
            "student_id": "2",
            "enrollment_date": "2023-11-15"
        },
    ],
}
```

Enrollment History Collection:

A log of enrollment and unenrollment activities.

```json
{
  "_id": {
    "$oid": "65669f3cd1f693e3aef2fcc8"
  },
  "enrollment_id": 1,
  "enrollment_date": "2023-04-13",
  "student_id": 16,
  "course_id": 11,
  "grade": "A"
}
```

Departments Collection:

Information about academic departments.

```json
{
    "_id": {
        "$oid": "65669f30d1f693e3aef2fcb3"
    },
    "dept_id": 1,
    "dept_name": "mathematics",
    "courses_enrolled": [
        {
            "course_id": 1,
            "course_code": 48642,
            "course_name": "statics",
            "credit": 37,

        },
    ],
},
{

    "_id": {
        "$oid": "65669f30d1f693e3aef2fcb4"
    },
    "dept_id": 2,
    "dept_name": "analysis",
    "courses_enrolled": [
        {
            "course_id": "2",
            "course_code": 65315,
            "course_name": "maths",
            "credit": 35,

        },
    ],
}
```