Jennifer Hoitenga

Professor Krasso

Web 335

May 30, 2023

Assignment 2.2 Data Modeling

Link to GitHub Repository: <https://github.com/jhoitenga/web-335>

Link to Personal Portfolio: <https://jhoitenga.github.io/portfolio/index.html>

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Converting the proposed NodeShopper ORD into NoSQL data structures:

{

  "CUSTOMER": [

    {

      "\_id": "100",

      "firstName": "Emmitt",

      "lastName": "Parker",

      "dateOfBirth": "1998-06-06",

      "username": "eparker"

    }

  ],

  "INVOICE": [

    {

      "\_id": "1000",

      "createDate": "2023-01-05",

      "shipDate": "2023-01-09",

      "subtotal": 75.0

    },

    {

      "\_id": "1001",

      "createDate": "2023-02-03",

      "shipDate": "2023-02-07",

      "subtotal": 30.0

    }

  ],

  "LINEITEM": [

    {

      "\_id": "1000",

      "productName": "Textbook",

      "price": 25.0,

      "qty": 3

    },

    {

      "\_id": "1001",

      "productName": "Notebook",

      "price": 5.0,

      "qty": 5

    },

    {

      "\_id": "1002",

      "productName": "Notebook",

      "price": 5.0,

      "qty": 1

    }

  ]

}

Converting the proposed NodeTech ORD into NoSQL data structures:

{

  "STUDENT": [

    {

      "studentId": "3000",

      "firstName": "Rita",

      "lastName": "Lavonne"

    }

  ],

  "ENROLLMENT": [

    {

      "term": "Spring 2023",

      "gpa": 3.6,

      "startDate": "2023-01-09",

      "endDate": "2023-03-10"

    },

    {

      "term": "Summer 2023",

      "gpa": 3.4,

      "startDate": "2023-05-22",

      "endDate": "2023-08-04"

    }

  ],

  "COURSE": [

    {

      "coursed": "DB-101",

      "description": "Database Management",

      "instructor": "Professor Torres",

      "score": 92

    },

    {

      "coursed": "CYB-101",

      "description": "Cyber Security",

      "instructor": "Professor Smith",

      "score": 96

    },

    {

      "coursed": "IS-102",

      "description": "Computer Science",

      "instructor": "Professor Farley",

      "score": 90

    }

  ]

}