<!DOCTYPE html>

<html>

<head>

  <meta charset="utf-8">

  <title>Greetings CSI3450 Database Management and Design</title>

  <!--

      Mermaid documentation:

     https://mermaid.js.org/syntax/entityRelationshipDiagram.html

  -->

  <!-- Load Mermaid CSS -->

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/mermaid/dist/mermaid.css">

  <link rel="stylesheet" href="css/diag.css">

</head>

<body>

  <script type="module">

    import mermaid from 'https://cdn.jsdelivr.net/npm/mermaid@10/dist/mermaid.esm.min.mjs'

  </script>

  <!-- Initialize Mermaid -->

  <script>

    // Use the 'mermaid' global object to initialize the diagram

    mermaid.initialize({

      startOnLoad: true,

      sequence: { showSequenceNumbers: true },

    });

</script>

<section>

<h1 style="text-align: center;">Case 13</h1>

<!--

Sample taken from DatabaseAnswers.org

https://datamodels.databases.biz

-->

 <div class="mermaid" style="text-align: center">

---

title: Order example

---

erDiagram

    Candidate {

        int name pk

        string dob

        string prev\_employment fk

        string qualifications fk

        string openings

        string candidate\_pool

        string course\_name fk

        string candidate\_id

    }

    Company {

        string name fk

        string position pk

        string company\_id

    }

    Opening {

      int opening\_number pk

      string company\_id

      string required\_qualification\_id fk

      string starting\_date

      string ending\_date

      string hourly\_pay

      string position fk

    }

    Qualification {

      string course\_name fk

      string course\_requirement

      string course\_avaliablity

      string candidate\_pool

      string prereq pk

      string qualification\_id pk

      string code

    }

    Job\_History {

      int job\_history\_id pk

      string job\_details

      string opening\_id fk

      string candidate\_id

    }

    Placement {

      int opening\_id fk

      string candidate\_id

      string total\_hours\_worked

      string placement\_id

    }

    Course {

      int prereq fk

      string qualification\_id

      string course\_name pk

      string course\_description

      string session\_time fk

    }

    Session {

      int session\_id pk

      string course\_id fk

      string date

      string fees

      string seats

    }

    CAND\_QUAL {

      string qualification\_id pk, fk

      string candidate\_id pk, fk

    }

    CAND\_SESS {

      string candidate\_id pk, fk

      string session\_id pk, fk

    }

      Candidate ||--o{ Job\_History : has

      Candidate ||--o{ Qualification : has

      Company ||--o{ Candidate : request

      Course ||--o{ Session : has

      Opening ||--|| Qualification : requires

      Opening }o--o{ Candidate : advises

      Candidate ||--o{ Course : takes

      Opening ||--|| Placement : becomes

      Opening ||--|{ Job\_History : added\_to

      Qualification ||--o{ Course : devoloped\_by

      Course }|--o{ Qualification : needs

      CAND\_QUAL ||--|{ Qualification : has

      CAND\_QUAL ||--|{ Candidate : has

      CAND\_SESS ||--|{ Session : has

      CAND\_SESS ||--|{ Candidate : has

</div>

<br>

 <div class="mermaid" style="text-align: center">

sequenceDiagram

</div>

</section>

</body>

</html>