**xcTable:** Student

|  |  |  |
| --- | --- | --- |
| student\_id | Int(8), pk | 101 |
| User\_name (net id) | String(50), unique=True, nullable=False | Jdoe1 |
| First\_name | String(32), nullable=false | John |
| Last\_name | String(32), nullable=true | Doe |
| email | String(120),unique=True, nullable=false | [jdoe1@brockport.edu](mailto:jdoe1@brockport.edu) |
| Clerk\_user\_id | String(255) , nullable=false | Abc123hashedpassword |
| Is\_active | Boolean, default=false | true |
| Last\_login | Datetime, nullable=false | 2024-09-15 |
| Created\_at | Datetime, nullable=false | 2023-09-01 |
| Updated\_at | Datetime, nullable=false | 2023-08-15 |
|  |  |  |

**Table:** Teacher

|  |  |  |
| --- | --- | --- |
| Teacher\_id | INT(8), pk | 201 |
| User\_name (net id) | String(50), unique=True, nullable=False | Tsmith1 |
| First\_name | String(32), nullable=false | Tom |
| Last\_name | String(32), nullable=true | smith |
| email | String(120),unique=True, nullable=false | [Tsmith1@brockport.edu](mailto:Tsmith1@brockport.edu) |
| Clerk\_user\_id | String(255) , nullable=false | Abc123hashedpassword |
| role | ENUM(‘admin’, ‘teacher’) | Teacher |
| Is\_active | Boolean, default=false | true |
| Last\_login | Datetime, nullable=false | 2024-09-17 |
| Created\_at | Datetime, nullable=false | 2023-07-20 |
| Updated\_at | Datetime, nullable=false | 2024-07-22 |
|  |  |  |

**Table:** Course

|  |  |  |
| --- | --- | --- |
| Course\_id | String(8), pk | C001 |
| course\_name | String(50), nullable=False | Intro to CS |
| Course\_code | String(12), nullable=false | CS101 |
| Course\_description | String(255) | A beginner course on CS |
| capacity | Int | 50 |
| Teacher\_id | fk | 201 |
| Is\_active | Boolean, default=false | True |
| Start\_date | Datetime, nullable=false | 11-22-2024 |
| End\_date | Datetime, nullable=false | 11-22-2024 |
| Created\_at | Datetime | 2023-09-01 |
| Updated\_at | Datetime | 2024-09-01 |

**Table:** Enrollment

|  |  |  |
| --- | --- | --- |
| Enrollment\_id | Int, pk | 301 |
| Student\_id | fk | 101 |
| Course\_id | fk | C001 |
| status | ENUM(‘enrolled’, ‘cancelled’, ‘padding’), default | Enrolled |
| Enrollment\_date | Datetime, nullable=false | 2023-09-02 |

**Table:** Question

|  |  |  |
| --- | --- | --- |
| Question\_id | pk | 401 |
| Exam\_id | fk | 701 |
| Question\_text | String(255) | What is a variable in programming |
| Created\_at | Datetime | 2024-09-05 |
| Updated\_at | Datetime | 2024-09-06 |

**Table:** Answer

|  |  |  |
| --- | --- | --- |
| Answer\_id | pk | 501 |
| Answer\_text | String(255) | A variable stores data values |
| Question\_id | fk | 401 |
| Created\_at | Datetime | 2024-09-07 |
| Updated\_at | Datetime | 2024-09-08 |

**Table:** Student Answer

|  |  |  |
| --- | --- | --- |
| Student\_answer\_id | pk | 601 |
| Student\_id | fk | 101 |
| Question\_id | fk | 401 |
| Answer\_text | String(255) | A variable is a data holder |
| Second\_attempt\_answer | String(255), default (answer\_text) |  |
| Answer\_grade | String(1), cannot be null | S |
| Second\_attempt\_grade | String(1), default to first answer grade |  |
| Answer\_Stage | Int (indicates the stage of the answer 1 or 2) | 1 |

**Table:** Exam

|  |  |  |
| --- | --- | --- |
| Exam\_id | Int, pk | 701 |
| Course\_id | fk | C001 |
| Exam\_name | String(100) | Midterm exam 1 |
| Exam\_description | String(255) | Covers chapters 1-5 of intro to cs |
| Start\_date | Datetime | 2024-10-10 |
| End\_date | Datetime | 2024-10-10 |
| Created\_at | Datetime | 2024-09-01 |
| Updated\_at | Datetime | 2024-10-01 |

Table: AI\_Assessment

|  |  |  |
| --- | --- | --- |
| Id | Int, pk | 1 |
| Assessment\_text | String(255) | Very good answer |
| Student\_answer\_id | fk | Midterm exam 1 |
| grade | String(1) | 1 |