DATA DICTIONARY

student

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| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | randomID | INT | 4 bytes | PRIMARY KEY | student identifier |
| 2 | firstName | VARCHAR | 50 | NULLABLE | Student first name |
| 3 | middleName | VARCHAR | 50 | NULLABLE | Student middle name |
| 4 | surname | VARCHAR | 50 | NULLABLE | Student surname |
| 5 | ATnumber | VARCHAR | 20 | NULLABLE | Student admission # |
| 6 | Tnumber | VARCHAR | 20 | NULLABLE | Student registration # |
| 7 | gender | VARCHAR | 1 | NULLABLE | Student gender |
| 8 | email | VARCHAR | 255 | UNIQUE | Student email |
| 9 | yos | TINYINT | 1 byte | NULLABLE | Student year of study |
| 10 | progCode | VARCHAR | 10 | NULLABLE | Student degree prog |
| 11 | psswd | VARCHAR | 255 | NULLABLE | Student password |
| 12 | leadership | VARCHAR | 30 | NULLABLE | Student leadership |

degreeProg

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| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | progCode | VARCHAR | 10 | PRIMARY KEY | Degree program code |
| 2 | progName | VARCHAR | 50 | UNIQUE | Degree program name |
| 3 | dptID | VARCHAR | 10 | NULLABLE | Degree department |

department

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| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | dptID | VARCHAR | 10 | PRIMARY KEY | Department identifier |
| 2 | dptName | VARCHAR | 50 | UNIQUE | Department name |

instructor

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| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | email | VARCHAR | 255 | PRIMARY KEY | Instructor identifier |
| 2 | firstName | VARCHAR | 50 | NULLABLE | Instructor first name |
| 3 | lastName | VARCHAR | 50 | NULLABLE | Instructor surname |
| 4 | psswd | VARCHAR | 255 | NULLABLE | Instructor password |
| 5 | dptID | VARCHAR | 10 | NULLABLE | Instructor department |
| 6 | supervisor | VARCHAR | 10 | NULLABLE | Instructor supervisor |

course

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | courseCode | VARCHAR | 10 | PRIMARY KEY | Course identifier |
| 2 | courseTitle | VARCHAR | 100 | UNIQUE | Course title |
| 3 | semester | TINYINT | 1 byte | NULLABLE | Course semester |

degree\_course

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | courseCode | VARCHAR | 10 | NULLABLE | Course identifier |
| 2 | progCode | VARCHAR | 10 | NULLABLE | Course title |

course

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | FIELD NAME | DATA TYPE | DOMAIN CONSTRAINTS | CONSTRAINTS | DESCRIPTION |
| 1 | courseCode | VARCHAR | 10 | PRIMARY KEY | Course identifier |
| 2 | courseTitle | VARCHAR | 100 | UNIQUE | Course title |
| 3 | semester | TINYINT | 1 byte | NULLABLE | Course semester |