

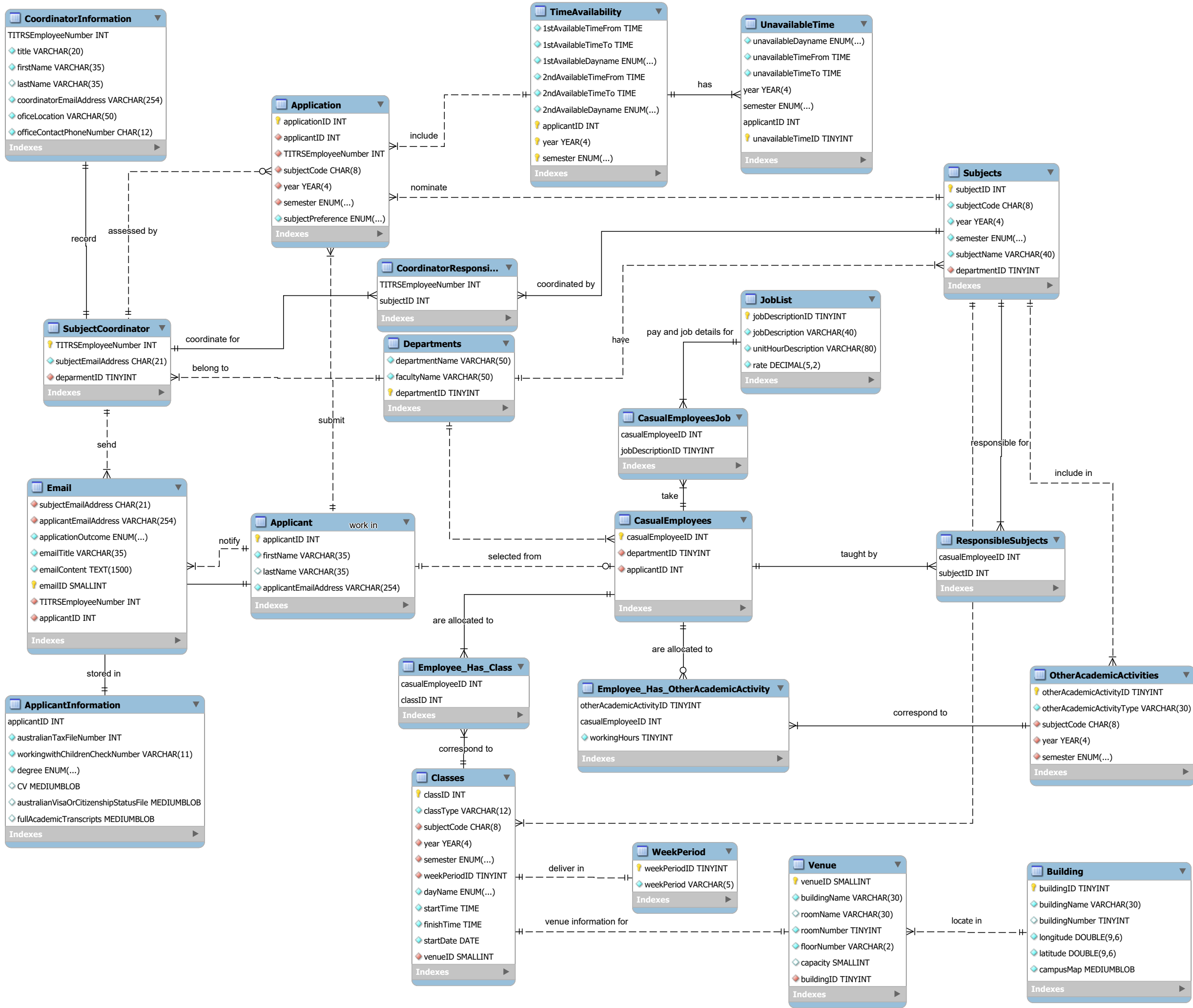
Group66

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Data Type description

Attribute Name

Data Type

Explanation

Example

casualEmployeeID

INT

Identifying each casual employee.

i.e. 1101

firstName

VARCHAR(35)

Each person's first name.

i.e. Edison

lastName

VARCHAR(35)

Each person's last name.

i.e. Chen

JobDescription

VARCHAR(40)

Specific job description.

i.e. Initial Tutorial (PhD rate)

UnitHourDescription

VARCHAR(80)

Each kind of job's work details per hour.

i.e. 1 hour preparation and 1 hour delivery

Rate

DECIMAL(5,2)

Each kind of job's payment per hour.

In Appendix A, no rate is higher than 141.96, therefore, set datatype as DECIMAL(5,2)

i.e. 141.96

departmentName

VARCHAR(30)

Each department's name.

i.e. Mathematics

facultyName

VARCHAR(30)

Each faculty's name

i.e. Art

subjectCode

CHAR(8)

Equivalent to the Class in the given Appendix, for avoiding ambiguity, subjectCode is used for represent the same thing. And it has fixed length of 8 characters.

i.e. ACC10002

year

YEAR(4)

The specific academic year.

i.e. 2021

semester

ENUM('Spring', 'Summer', 'Autumn', 'Winter')

The specific academic semester's name.

i.e. Winter

subjectName

VARCHAR(40)

Each subject's name.

i.e. Fundamentals of Financial Accounting

otherAcademicActivityType

VARCHAR(30)

Specific type of work of other academic activity.

i.e. Marking

workingHours

TINYINT

Total working hours for other academic activity.

i.e. 60

classType

VARCHAR(12)

Specific class type of a subject.

i.e. Tutorial 03

weekPeriodID

TINYINT

A surrogate key which identifies different periods of academic weeks.

i.e. 1

weekPeriod

VARCHAR(5)

Specific period of academic weeks

i.e. 17-22

dayName

ENUM('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday')

Identifying each day in a week.

i.e. Monday

startTime

TIME

Each class's start time (time point).

i.e. 14:00:00

finishTime

TIME

Each class's finish time (time point).

i.e. 16:00:00

duration

TIME

Each class's duration (how long).

i.e. 1:00:00

startDate

DATE

The date when each class start.

i.e. 2021-10-24

venueID

SMALLINT

A surrogate key which identifies each class's location.

i.e. 45

roomName
TINYINT
Each classroom's name.
i.e. Marshall Theatre

roomNumber
TINYINT
Each classroom's number.
i.e. 303

floorNumber
VARCHAR(2)
The floor of each classroom.
i.e. G

capacity
SMALLINT
The maximum amount of people could be set in
each classroom.
i.e. 200

buildingName
VARCHAR(30)
Each building's name.
i.e. Bush House

buildingNumber
TINYINT
Each building's number.
i.e. 11

longitude
DOUBLE(9,6)
Each building's longitude.
i.e. -0.117434

latitude
DOUBLE(9,6)
Each building's latitude.
i.e. 51.513134

campusMap
MEDIUMBLOB
Each building's GPS coordinates marks on the
campus map. It is assumed to be a screenshot or
picture.
i.e. MapIndicateMathBuilding.jpg

applicantID
INT
A surrogate key identifies each independent applicant in the system.
i.e. 1512355

applicationID
INT
A surrogate key identifies each application submitted by the applicants.
i.e. 343566

subjectPreference
ENUM('1', '2', '3', '4')
The preference order number of applied subjects (at most among 4 subjects), which is nominated in the applications.
i.e. 1

1stAvailableTimeFrom
TIME
The first preferred available time period starts from this specific time point.
i.e. 09:00:00

1stAvailableTimeTo
The first preferred available time period would not exceed this specific time point.
i.e. 13:00:00

1stAvailableDayname
ENUM('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday')
The first preferred available time period is on this specific day.
i.e. Wednesday

2ndAvailableTimeFrom
TIME
The second preferred available time period starts from this specific time point.
i.e. 09:00:00

2ndAvailableTimeTo
The first preferred available time period would not exceed this specific time point.
i.e. 13:00:00

2ndAvailableDayname
ENUM('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday')
The first preferred available time period is on this specific day.
i.e. Friday

unavailableDayname
ENUM('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday')
The unavailable time period is on this specific day.
i.e. Thursday

unavailableTimeFrom
TIME
The unavailable time period starts from this specific time point.
i.e. 15:00:00

unavailableTimeTo
The unavailable time period would not exceed this specific time point.
i.e. 18:00:00

unavailableTimeID
TINYINT
A surrogate key identifies each specific unavailable time period of an applicant in each semester and year.
i.e. 1

TITRSEmployeeNumber
INT
An employee number of each coordinator, it could be help to identifies different coordinators.
i.e.1563386

subjectEmailAddress
CHAR(21)
Each subject's formal notification email address, it could be used to inform the progress or outcome of the application. (It is assumed to have a fixed length of 21 characters, as subjectCode is fixed length, and the following address is assumed to be sent from same institution address (@titrs.edu.au).)
i.e. acc10002@titrs.edu.au

title
VARCHAR(20)
Each coordinator's title.
i.e. Professor

coordinatorEmailAddress
VARCHAR(254)
Each coordinator's work email address.
i.e. edward.wong@titrs.edu.au

officeLocation
VARCHAR(50)
Each coordinator's office location.
i.e. Bush House 303

officeContactPhoneNumber
CHAR(12)
Each coordinator's office phone number. It is assumed to have a fixed length of 12 characters.
i.e. +61883134400

applicantEmailAddress
VARCHAR(254)
Each applicant's application email address.
i.e. james.bond@gmail.com

emailTitle
VARCHAR(35)
Each email's subject.
i.e. Application Outcome ACC30200

emailContent
TEXT(1500)
Each email's body part.
i.e. Thank you for applying.....

emailID
SMALLINT
A surrogate key identifies each email, for different subjects, outcomes and applicants.
i.e. 1

australianTaxFileNumber
INT
Each applicant's Australian Tax File Number which is issued by Taxation Office. (It is assumed to be a pure number)
i.e. 324343294

workingwithChildrenCheckNumber
VARCHAR(11)
Each applicant's working with children check number.
i.e. 1234566Z-A1

degree
ENUM('Phd', 'Non-Phd')
Each applicant's highest academic degree information.
i.e. Phd

CV
MEDIUMBLOB
Each applicant's resume, it is assumed that this file is uploaded as a scanned picture version.
i.e. applicant123cv.jpg

australianVisaOrCitizenshipStatusFile
MEDIUMBLOB
Each applicant's visa or resident information. Here is an assumption that, if the applicant is domestic applicants, they could upload a scanned picture of their identification card, otherwise, for non-domestic applicants, they could upload a scanned picture of their visa letter issued by Australian government.
i.e. applicant123visa.jpg

fullAcademicTranscripts
MEDIUMBLOB
Each applicant's full academic transcript of the last completed degree, it is assumed that the transcript is uploaded in a scanned picture version.
i.e. applicant123transcript.jpg

jobDescriptionID
TINYINT
A surrogate key identifies different kinds of roles in the institution based on the specific descriptions.
i.e. 1

departmentID
TINYINT
A surrogate key identifies different departments in the institution. (Instead of using departmentName as the primary key.)
i.e. 3

buildingID
TINYINT
A surrogate key identifies different departments. (Instead of using buildingName as primary key.)
i.e. 2

otherAcademicActivityID
TINYINT
A surrogate key identifies different other academic activities. (Instead of using the name of them as the primary key.)
i.e. 1

classID
INT
A surrogate key identifies each specific class in the entity table of Classes, which could be used to uniquely distinguish all of the following columns' information in that table.
i.e. 23

subjectID
INT
A surrogate key identifies different subjects in each semester and year.