Research Higher Degree Logical Model

Prepared by:  
Thursdays **Group 4**

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# Derive relations

## Strong Entity types

|  |
| --- |
| **Applicant**(applicantId, firstName, lastName, prefTitle, sex, dob, address, suburb, postcode, city, state, country, mobile, phone, email, nationality, isNZAUCitizen, englishProficient, studentId, studentId, dateAdded)  **Primary key** applicantId |
| **ApplicantDocument**(applicantDocumentId, title, description, uploadLink)  **Primary key** applicantDocumentId |
| **Application**(applicationId, versionNumber, proposedStartDate, proposalSummary, requireMoreInfo, dateAdded, dateLastChecked, dateLastModified  **Primary key** applicationId |
| **ApplicationStatus** (applicationStatusId, status, description)  **Primary key** applicationStatusId |
| **AwardType** (awardTypeId, award, awardInfo)  **Primary key** awardTypeId |
| **CorrespondenceMethod** (correspondenceMethodId, method)  **Primary key** correspondenceMethodId |
| **DecisionType** (decisionType, description)  **Primary key** decisionType |
| **Degree** (degreeName, degreeType, yearCompleted, gpa, institutionName, institutionCountry, applicantId)  **Primary key** degreeName, applicantId  **Foreign key** applicantId **references** Applicant(applicantId) |
| **DocumentStatus** (documentStatusId, status)  **Primary key** documentStatusId |
| **DocumentType** (documentTypeId, type)  **Primary key** documentTypeId |
| **UniStaffMemberGeneralStaffMember** |
| **PaymentMethod**(payMethId, appDocId, paymentMethod)  **Primary key** payMethId  **Foreign key** appDocId **references** ApplicantDocument(applicantDocumentId) |
| **Publication** (pubId, appDocId, appId, title, publisher, issueNo, issueDate, onlineLink, otherAuthorsNames, language)  **Primary key** pubId  **Foreign key** appDocId **references** ApplicantDocument(applicantDocumentId)  **Foreign key** appId **references** Applicant(applicantId) |
| **Referee** (refId, applicationId, name, relation, phone, email, academicLink, englishSpeaker, englishLiterate)  **Primary key** (refId)  **Foreign key** applicationId **references** Application(applicationId) |
| **ResearchArea** (forCode, description, researchArea, generalArea)  **Primary key** forCode |
| **~~RHDStaffMember~~** |
| **StudyLoadAndLocation** (loadLocId, loadLocation)  **Primary key** loadLocId |
| **~~Supervisor~~** |
| **UniversityStaffMember** (staffId, lastName, firstName, canSupervise)  **Primary key** staffId |
| **Visa** (visaId, appDocId, appId, visaStatId, countryOfOrigin, validFrom, validTo)  **Primary key** visaId |

## Weak Entity types

|  |
| --- |
| **Checklist** (applicationId, addressConfirmed, degreeConfirmed, visaConfirmed, proposalConfirmed, hasResearchArea, hasPrimarySuper, payMethConfirmed, refrereesConfirmed, engProfConfirmed)  **Primary key** applicationId  **Foreign key** applicationId **references** Application(applicationId) |
| **Correspondence** (corrId, date, summary, message, appId, staffId, corrMethId, toUniversity  **Primary key** corrId  **Foreign key** appId **references** Applicant(applicantId)  **Foreign key** staffId **references** UniversityStaffMember(staffId) |
| **Decision** (decId, date, comment, applicationId, staffId)  **Foreign key** applicationId **references** Application(applicationId)  **Foreign key** staffId **references** UniversityStaffMember(staffId) |

# Normalisation

# User transaction validation

# Check integrity constraints

# Review logical data model

# Check for future growth

# Develop Test Plan

# Section

## Subsection

### Subsubsection

Diagram improvements

* Add data types
* Id names

TODO