**All one-to-many optional relationships have degree (0, N).**



Entity-Relationship Diagram

**Terms**
| PK | term_code |
|----|-----------|

(R)

**Year_Terms**
| CPK,FK | year_term_code |
|--------|----------------|
| CPK | year_term_year |

(R)

**Time_Blocks**
| PK | time_block_id |
|----|---------------|
| | time_block_start |
| | time_block_end |
| FK | week_day_name |
| FK | year_term_code |
| FK | year_term_year |

(R)

**Week_Days**
| PK | week_day_name |
|----|---------------|

(R)

**Slots**
| PK | slot_id |
|----|---------|
| FK | time_id |
| FK | building_name |
| FK | room_number |
| FK | subject_code |
| FK | class_number |
| FK | tutor_id |

**Buildings**
| PK | building_name |
|----|---------------|

(S)

**Places**
| CPK,FK | building_name |
|--------|---------------|
| CPK | room_number |

(S)

**Subjects**
| PK | subject_code |
|----|--------------|
| | subject_name |

(R)

**Classes**
| CPK, FK | subject_code |
|---------|--------------|
| CPK | class_number |
| | class_name |

(D)

(D)

**Tutors**
| PK | tutor_id |
|----|----------|
| | tutor_first_name |
| | tutor_last_name |
| | tutor_email |

(D)

**Tutor_Availabilities**
| CPK,FK | tutor_id |
|--------|----------|
| CPK,FK | time_block_id |

**Tutor_Agreed_Classes**
| CPK,FK | tutor_id |
|--------|----------|
| CPK,FK | subject_code |
| CPK,FK | class_number |

**Tutor_Qualified_Subjects**
| CPK,FK | tutor_id |
|--------|----------|
| CPK,FK | subject_code |