**PROJECT 1**

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| WARD | WardNum | NOT NULL | PrimaryKey |
| WARD | WardName | NOT NULL | No |
| WARD | Loacation | NOT NULL | No |
| WARD | BedNum | NOT NULL | No |

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| MANAGING STAFF | MStaffNum | NOT NULL | PrimaryKey |
| MANAGING STAFF | WardNum | NOT NULL | ForeignKey |

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| PATIENT | PatientNumber | NOT NULL | PrimaryKey |
| PATIENT | FirstName | NOT NULL | No |
| PATIENT | LastName | NOT NULL | No |
| PATIENT | Gender | NOT NULL | No |
| PATIENT | RegisteredDate | NOT NULL | No |
| PATIENT | NextofKin | NOT NULL | No |

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| --- | --- | --- | --- |
| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| INPATIENT | PatientNumber | NOT NULL | PrimaryKey, ForeignKey |
| INPATIENT | FirstName | NOT NULL | No |
| INPATIENT | LastName | NOT NULL | No |
| INPATIENT | Gender | NOT NULL | No |
| INPATIENT | RegisteredDate | NOT NULL | No |
| INPATIENT | NextofKin | NOT NULL | No |
| INPATIENT | WaitingListDate | NOT NULL | No |
| INPATIENT | WardNumber | NOT NULL | ForeignKey |
| INPATIENT | AdmissionDate | NULL | No |
| INPATIENT | DischargeDate | NULL | No |

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| OUTPATIENT | PatientNumber | NOT NULL | PrimaryKey, ForeignKey |
| OUTPATIENT | FirstName | NOT NULL | No |
| OUTPATIENT | LastName | NOT NULL | No |
| OUTPATIENT | Gender | NOT NULL | No |
| OUTPATIENT | RegisteredDate | NOT NULL | No |
| OUTPATIENT | NextofKin | NOT NULL | No |
| OUTPATIENT | AppointmentDate | NULL | No |
| OUTPATIENT | AppointmentTime | NULL | No |

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| STAFF | StaffNum | NOT NULL | PrimaryKey |
| STAFF | StaffName | NOT NULL | No |
| STAFF | Address | NOT NULL | No |
| STAFF | Phone | NOT NULL | No |
| STAFF | DOB | NOT NULL | No |
| STAFF | Gender | NOT NULL | No |
| STAFF | Position | NOT NULL | No |
| STAFF | Salary | NOT NULL | No |
| STAFF | Qualification(date,name) | NOT NULL | No |
| STAFF | NationalInsuranceNumber | NOT NULL | No |

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| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| APPOINTMENT | AppointmentNumber | NOT NULL | PrimaryKey |
| APPOINTMENT | PatientNumber | NOT NULL | ForeignKey |
| APPOINTMENT | StaffNumber | NOT NULL | ForeignKey |
| APPOINTMENT | DateOfAppointment | NULL | No |
| APPOINTMENT | TimeOfAppointment | NULL | No |
| APPOINTMENT | ExaminationRoom | NOT NULL | No |

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| --- | --- | --- | --- |
| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| PRESCRIPTION | PrescriptionNum | NOT NULL | PrimaryKey |
| PRESCRIPTION | PatientNumber | NOT NULL | ForeignKey |
| PRESCRIPTION | StaffNumber | NOT NULL | ForeignKey |
| PRESCRIPTION | DrugName | NOT NULL | ForeignKey |
| PRESCRIPTION | MedicationDate | NOT NULL | No |
| PRESCRIPTION | MedicationTIme | NOT NULL | No |
| PRESCRIPTION | AdministrationMethod | NOT NULL | No |
| PRESCRIPTION | StartDate | NULL | No |
| PRESCRIPTION | FinishDate | NULL | No |

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| --- | --- | --- | --- |
| TABLE | COLUMN | NULL/NOT NULL | ALTERNATE KEY? |
| DRUG | DrugName | NOT NULL | PrimaryKey |
| DRUG | Prescription | NOT NULL | No |
| DRUG | Dose | NOT NULL | No |
| DRUG | Qty | NOT NULL | No |
| DRUG | Price | NOT NULL | No |

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| --- | --- |
| RELATIONSHIP | CARDINALITY  [Blue = Inferable] |

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| --- | --- | --- | --- | --- |
| PARENT | CHILD | TYPE | MAX | MIN |
| WARD | INPATIENT | STRONG | 1:N | M-O |
| WARD | MANAGINGSTAFF | STRONG | 1:N | M-O |
| PATIENT | INPATIENT | STRONG | 1:N | M-O |
| INPATIENT | PATIENT | STRONG | 1:N | M-O |
| OUTPATIENT | PATIENT | STRONG | 1:N | M-O |
| STAFF | APPOINTMENT | STRONG | 1:N | M-O |
| APPOINTMENT | PATIENT | STRONG | 1:N | M-O |
| PRESCRIPTION | PATIENT | STRONG | 1:N | M-O |
| DRUG | PATIENT | STRONG | 1:N | M-O |