Using **Visio draw the ERD** for your project, discuss whether it is in 3NF and why, create an **SQL Database** and insert at least **5 records in each table**. You should have **3 to 5 tables**. Create 5-7 queries to retrieve data that would be useful. Your documentation for the project should include: the project description, the ERD, any business rules, the normalization, the questions that your queries answer.

I would like to create a database for a clinical laboratory which will help capture number of samples, test orders, clinician ordering the test, and technician performing the test.

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| **Sample** |
| Sample id |
| Priority |
| Collection date |
| Collection time |
| Received date |
| Received time |
| Collection technician |
| Patient first name |
| Patient last name |
| Patient Medical record number |
| Patient date of birth |
| collection container |

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| **Technician** |
| Technician initial |
| Technician last name |
| Technician first name |
| Technician department |
| Technician department phone number |

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| --- |
| **Order** |
| Order id |
| ordered by |
| Ordered date |
| Ordered time |
| Patient mrn |
| Patient last name |
| Patient first name |
| DOB |
| Gender |

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| --- |
| **Patient** |
| mrn |
| first name |
| middle name |
| last name |
| Gender |
| DOB |
| DOD |
| Ethnicity |
| Status |
| Location |
| Admission date |

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| **Physician** |
| Physician ID |
| physician first name |
| physician last name |
| physician department |
| physician pager # |
| physician email |
| Physician office # |