

Summary:

- i. Creating database tables with David Hayes, this is essential in our system as the database base is will used to store all data that are collected via the website as well as authenticating users log on.
- ii. Creating a DDL model via an ERD Diagram, this is essential in any database design as this will give an overview of the relationships between entities in the database. As well as entities, ERD diagram also depict the relations attributes. Here is where cardinality is given between two related entities and there connectives based on business rules.
- iii. Including a try and catch block in the database connection as we are using object oriented methods to connect to the database. This is very essential in systems, especially critical ones as not catching an exception when thrown by the system and handle it properly, will cause such error to propagate up until it reaches a method which catches it or propagates up to the main method bringing the entire system down. In-addition, not handling such exception where it should be handled, is a catastrophe waiting to be happened.
- iv. Development of User stories into proper stories to reflect the true intentions of the user stories and what it wanted to achieve.
- v. Development, of admin page where each admin can add another admin with other administrative functions