

CS305- Software Engineering

ADITYA
2020CSB1065

- You need to have Postgresql installed in the system.
- To establish a successful connection, change the below variables according to your configuration, fPath of File:: src/main/java/com/AIMS/DbConnect.java.

```
private final String url = "jdbc:postgresql://localhost/db_mp";  
private final String user = "postgres";  
private final String password = "admin";
```

- Add a Postgresql jar file to get a database connection.
- As soon as you run the program, some dummy data will already be present in the database no need to take care.
- Comment out the src/main/java/com/AIMS/Databaselnit.java and src/main/java/com/AIMS/CreateTable.java if dummy data is not required.
- src/main/java/txtFiles: This package contains the set of .txt files which is used by the user to give input through files and receive through files.
- src/test: this folder contains test cases for testing.

Compile and Run

- src/main/java/com/AIMS/Main.java: Run this file in IntelliJ
- Configure the code coverage setting to jacoco

Test Plan

```
@Test  
void verifyCorrectTest() throws SQLException{  
    Student student = new Student("2","CS","2020","2020CS2@iitrpr.ac.in");  
    assertEquals(true,  
student.verify(connection,"2020CS2@iitrpr.ac.in","iitropar"));  
}
```

- This will test whether student is getting logged in successfully or not; ideally it should because the student exists in dummy database. Similarly other functionality were all tested.

Imp: In use case diagram <<i>> means include and <<e>> means extend.

