Lab 4   
Software Construction  
Taha Raza Rashid  
34337  
BESE-5(B)

# Introduction

This lab involved introducing data storage in db using hibernate. And csv reading.

We were to add rounds of graphical authentication into the db using persistence.

# Approach

Lines are read from csv and then added to a db using hibernate orm. The DAO, object classes and Business Objects all were to be made by us.

# Design

The design is pretty straightforward and is implemented on the command line.

# How to Run

The code is available at \src\com\company\Main.java  
and the test are available at \src\com\company\MainTest.java

# Analysis

The Lab was unusually long. And it was increasingly harder to complete it.

# Link to Github

<https://github.com/taharaza16/SCLabs/tree/master/Lab7>