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| SEECS-NUST |
| Laboratory Number 7 |
| Software Construction |
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| **4/12/2017** |

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| Password Verification Lab |

Introduction:

In this lab, we have to apply data analysis techniques to evaluate different user functions and their corresponding attributes like timing, deviation etc.

We have been provided with a dataset and we have to first store it in a database then extract certain features and apply certain properties on them to get the desired attributes.

Approach:

We begin by reading the entries from the CSV file into our application using buffer and line reader options.

After that, using the hibernate and Maven platforms along with annotations, we load the data into the database and then, retrive it as desired.

Using the hibernate platform, we connect the application with database so that the content of our .csv file get loaded in our database; for this, we first create the persistent class, then the configuration file and the xml file. We also used annottaions and a lot of other tools

How to run:

After having the database and the application connected and the .csv file made a part of the project, we run the code in Netbeans.

We have used HQL queries to run our tests and extract information.

Githiub Link:

https://github.com/maimoona96