University of Windsor

Winter 2018

Department of Computer Science

60-615 - Advanced Database Topics

Project 3

ADVANCED DATABASE PROJECT 3 TECHNICAL REPORT

Team Members

Aina Hooda – 104907595
Nayan Seth – 104907607
Himanshu Chopra – 104907618

How to run the system:-

The system is developed with Java Technology and MySql Database server.
To run this system, import project in Java IDE (Netbeans). For the very first time just make a little change in 'hiberanate.config.xml', make 'update' statement as 'create' statement and then click on "Run". Then the database will be automatically created. After running it next time just replace the 'hibernate.config.xml' as the old one i.e. 'update' statement.

3NF Dependency Diagram:-

Student: 3NF (ID,STUDENT_NUM,FIRST_NAME,LAST_NAME,CONTACT_NUMBER, EMAIL_ID, STREET, CITY, PROVINCE, COUNTRY, POSTAL_CODE, DOB, DOJ, F_NUM, FATHER_NAME, FATHER_EMAIL, FATHER_MOBILE, M_NUM, MOTHER_NAME, MOTHER_MOBILE, MOTHER_EMAIL, RANK)

ID	STUDENT_NUM	FIRST_NAME	LAST_NAME	CONTACT_NUMBER	EMAIL_ID	STREET	CITY

PROVINCE	COUNTRY	POSTAL_CODE	DOB	DOJ	F_NUM	FATHER_NAME	FATHER_EMAIL

FATHER_MOBILE	M_NUM	MOTHER_NAME	MOTHER_MOBILE	MOTHER_EMAIL	RANK
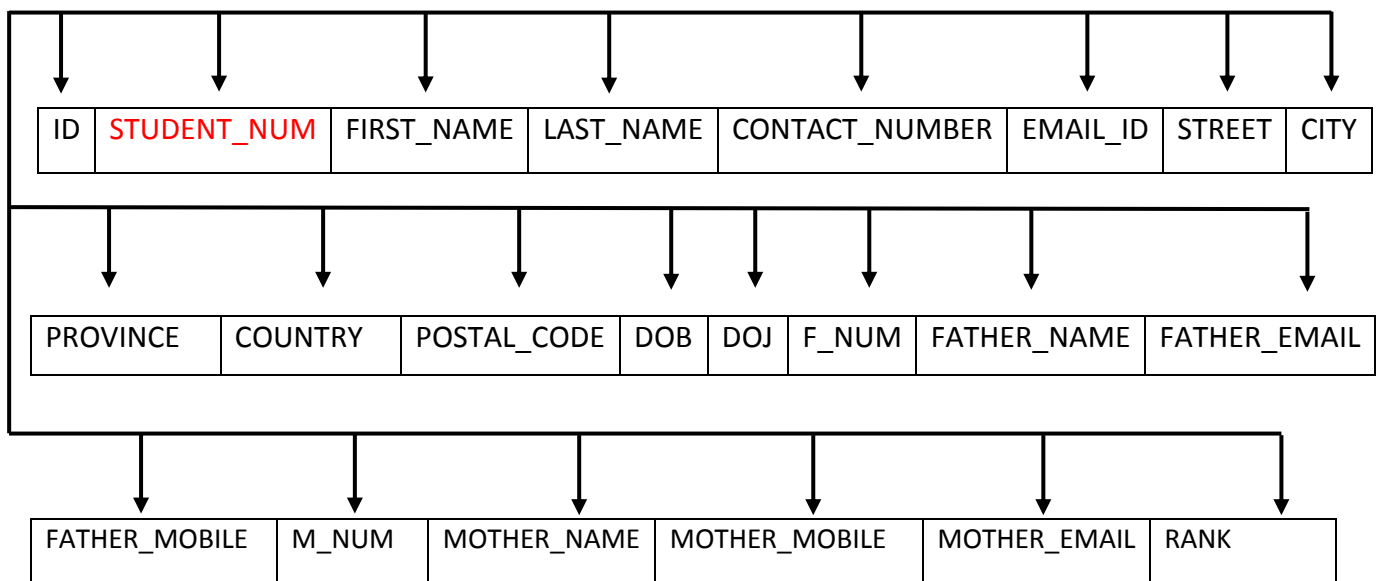
Attendance: 3NF (ID, ATTENDANCE_DATE, STUDENT_NUM, CLASSS_LEVEL)

ID	ATTENDANCE_DATE	STUDENT_NUM	CLASSS_LEVEL
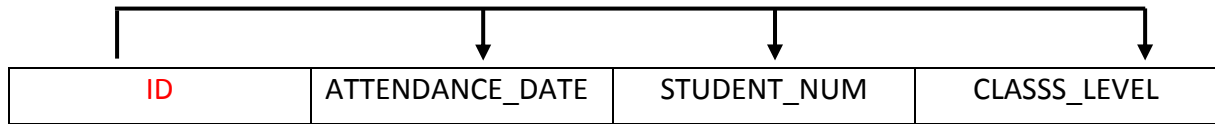
ClassSession: 3NF (CLASSSESSION_ID, LEVEL_NAME, START_AT, END_AT)

CLASSSESSION_ID	LEVEL_NAME	START_AT	END_AT
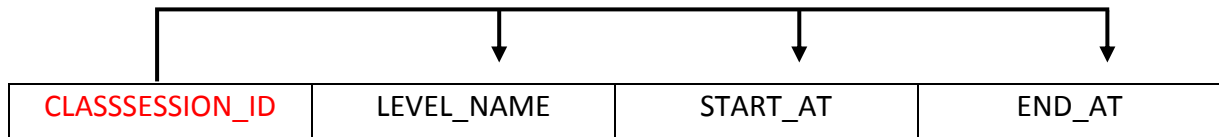
Assign_rank: 3NF (ASSIGN_RANK_ID, ASSIGN_RANK_DATE, ASSIGN_STUDENT_NUM, ASSIGN_RANK_NAME)

ASSIGN_RANK_ID	ASSIGN_RANK_DATE	ASSIGN_STUDENT_NUM	ASSIGN_RANK_NAME
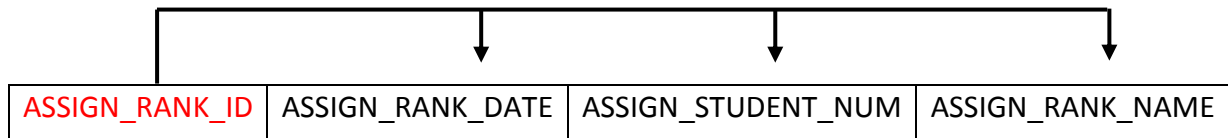
Rank: 3NF (RANK_NUM, RANK_NAME)

RANK_NUM	RANK_NAME
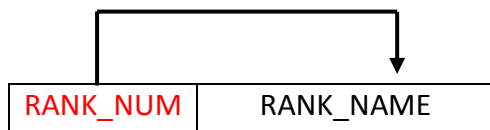
Rank_requirement: 3NF (RANK_REQ_ID, RANK_REQ_DESCRIPTION, RANK_NUM)

RANK_REQ_ID	RANK_REQ_DESCRIPTION	RANK_NUM
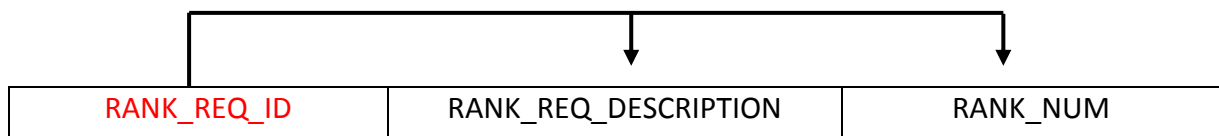
Fees: 3NF (ID, ITEM_NAME, ITEM_FEES)

ID	ITEM_NAME	ITEM_FEES
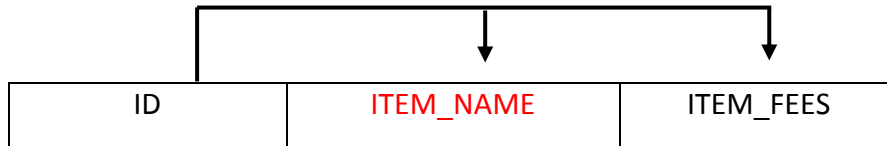
Pay: 3NF (ID, ITEM_NAME, STUDENT_NUM, PAYMENT_DATE, PAID_FEES, COMMENT)

ID	ITEM_NAME	STUDENT_NUM	PAYMENT_DATE	PAID_FEES	COMMENT
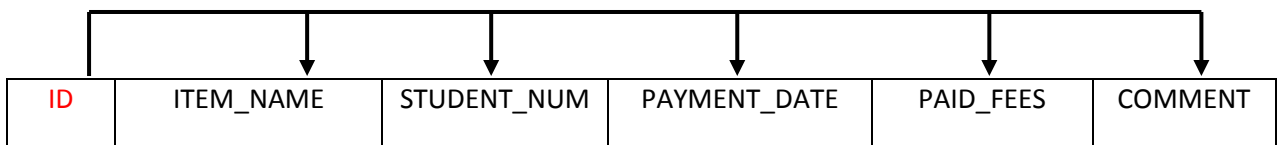
CROW'S FOOT ERD:

KUNGFU MASTER CLUB